

CCL: POWERGRID/SR/ Kurnool 2nd 400kV line bay

दिनांक: 27.11.2024

सचिव,
केंद्रीय विद्युत विनियामक आयोग (सी.ई.आर.सी.)
छठवाँ, सातवाँ एवं आठवाँ तल, टॉवर बी,
वर्ल्ड ट्रेड सेंटर, नौरोजी नगर, नई दिल्ली-110029

विषय: Petition for determination of tariff for "Implementation of 1 No. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP Pvt. Ltd. (2nd 400 kV line bay for M/s Greenko) (Bay No.412)" 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.

महोदय,

उपरोक्त पारिषण प्रणाली के 02.09.2024 से 31.3.2029 तक के पारिषण टैरिफ हेतु याचिका की 3 प्रतियां (1 मूल व 2 प्रतियां) संलग्न है। पूर्ण याचिका को पावरग्रिड की बेवसाइट पर दर्शाया गया है जिसका पता www.powergrid.in है। माननीय आयोग द्वारा जारी सार्वजनिक सूचना दिनांक 25.08.2010 के अनुसार राशि ₹1,00,000/- का भुगतान ऑनलाइन पोर्टल के माध्यम से चालान द्वारा किया गया है। याचिका शुल्क की गणना नई फीस रेगुलेशन, 2012 के पैरा 3(2) के तहत दिये गये निर्देशों के आधार पर निम्नानुसार की गई है:-

Asset	Fin. Year	Tariff (T) (Rs. In Lakh)	Petition filing fees @...of Tariff (R)	Petition filing fees (B)=(T)X® (Rs.)	Rounded to nearest 100 (min. 40,000: 2009-12 and min. 1,00,000: 2012 onwards (Rs.))
Asset-1	2024-25	62.24	0.11%	6,846	1,00,000
Total		Rupees One Lakh only			1,00,000

माननीय आयोग द्वारा जारी CBR, 2023 के पैरा 23(4) के तहत दिये गये निर्देशों के आधार पर याचिका की प्रति सभी प्रतिवादियों को ईमेल द्वारा भेजी गई है तथा ईमेल की प्रति संलग्न है। याचिका ई-फाइल कर दी गई है। माननीय आयोग से निवेदन है कि याचिका को स्वीकृत किया जाए। कृपया पावती भेजें।

भवदीय,


(मोहम्मद मोसिन)

मुख्य महाप्रबंधक (वाणिज्यिक / विनियामक प्रकोष्ठ)


संलग्नक: उपरोक्तानुसार।

केन्द्रीय कार्यालय : "सौदामिनी" प्लॉट सं. 2, सेक्टर-29, गुरुग्राम-122001 (हरियाणा), दूरभाष : 0124-2822000, 2823000
Corporate Office : "Saudamini", Plot No. 2, Sector-29, Gurugram-122001, (Haryana) Tel. : 0124-2822000, 2823000

पंजीकृत कार्यालय : बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110016 011-26560112, 26564812, 26564892, सीआईएन : L40101DL1989GOI038121
Registered Office : B-9, Qutab Institution Area, Katwaria Sarai, New Delhi-110016. Tel.: 011-26560112, 26564812, 26564892, CIN : L40101DL1989GOI038121
Website : www.powergrid.in

Particulars	
1. Name of the Petitioner/Applicant	POWER GRID CORPORATION OF INDIA LTD.
2. Address of the Petitioner/Applicant	"SAUDAMINI", Plot no 2, Sector 29, Gurgaon
3. Subject Matter	Petition for determination of tariff for 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) (Bay No.412) in Southern Region 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
4. Petition No., if any	N.A.
5. Details of generation assets (a) Generating station/units (b) Capacity in MW (c) Date of commercial operation (d) Period for which fee paid (e) Amount of fee paid (f) Surcharge, if any	N.A.
6. Details of transmission assets (a) Transmission line and sub-stations (b) Date of commercial operation (c) Period for which fee paid (d) Amount of fee paid (g) Surcharge, if any	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) (Bay No.412) 02.09.2024 (Proposed) FY 2024-25 1,00,000.00
7. Fee paid for Adoption of tariff for (a) Generation asset (b) Transmission asset	N.A.
8. Application fee for licence (a) Trading licence (b) Transmission licence (c) Period for which paid (d) Amount of fee paid	N.A.
9. Fees paid for Miscellaneous Application	N.A.
10. Fees paid for Interlocutory Application	N.A.
11. Fee paid for Regulatory Compliance petition	N.A.
12. Fee paid for Review Application	N.A.
13. Licence fee for inter-State Trading (a) Category (b) Period (c) Amount of fee paid (d) Surcharge, if any	N.A.
14. Licence fee for inter-State Transmission (a) Expected/Actual transmission charge (b) Period (c) Amount of fee calculated as a transmission charge. (d) Surcharge, if any	N.A.



15. Annual Registration Charge for Power	N.A.
Exchange	
(a) Period	
(b) Amount of turnover	
(c) Fee paid	
(d) Surcharge, if any	
16. Details of fee remitted	
(a) UTR No	CMS/001578851110/24001 24518
(b) Date of remittance	27-11-2024
(c) Amount remitted	1,00,000.00
Note: While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable	
Signature of the authorized signatory with date	 Mohd Mohsin Chief General Manager (Commercial/RC)



POWERGRID SR : 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) (Bay No.412) - Service of Tariff Petition

From POWERGRID COMMERCIAL <commercialccsr@powergrid.in>

Date Wed 11/27/2024 6:32 PM

To cfcereg@tnebnet.org <cfcereg@tnebnet.org>; trac@kseb.in <trac@kseb.in>; cecommercial@rediffmail.com <cecommercial@rediffmail.com>; ptc.hescom@gmail.com <ptc.hescom@gmail.com>; eeptcgescom@gmail.com <eeptcgescom@gmail.com>; kamaluddinalikhan@gmail.com <kamaluddinalikhan@gmail.com>; gmpp.work@gmail.com <gmpp.work@gmail.com>; cee-elec.goa@nic.in <cee-elec.goa@nic.in>; seccesc@gmail.com <seccesc@gmail.com>; seecoml@rediffmail.com <seecoml@rediffmail.com>; se3ped.pon@nic.in <se3ped.pon@nic.in>; cgmlegalaptransco@gmail.com <cgmlegalaptransco@gmail.com>; cgmppaepdcl@gmail.com <cgmppaepdcl@gmail.com>; cgmir@tsnpdcl.in <cgmir@tsnpdcl.in>; chairman@tnebnet.org <chairman@tnebnet.org>; cmdkseb@kseb.in <cmdkseb@kseb.in>; se1ped@py.gov.in <se1ped@py.gov.in>; cee-elec.goa@nic.in <cee-elec.goa@nic.in>; cmd.cpdcl@apcpdcl.in <cmd.cpdcl@apcpdcl.in>; cmd@apeasternpower.com <cmd@apeasternpower.com>; cmd@apspdcl.in <cmd@apspdcl.in>; cmd@tssouthernpower.com <cmd@tssouthernpower.com>; cmd@tsnpdcl.in <cmd@tsnpdcl.in>; md@bescom.co.in <md@bescom.co.in>; md@gescom.in <md@gescom.in>; md.hescom.kn@gmail.com <md.hescom.kn@gmail.com>; md@mesco.in <md@mesco.in>; mdmescom@rediffmail.com <mdmescom@rediffmail.com>; md@cescmysore.org <md@cescmysore.org>; mdgesco@gmail.com <mdgesco@gmail.com>; mdmescom@rediffmail.com <mdmescom@rediffmail.com>; mdmescom@gmail.com <mdmescom@gmail.com>; csecytangedco@tnebnet.org <csecytangedco@tnebnet.org>; cmdkseb@kseb.in <cmdkseb@kseb.in>; cmd@apeasternpower.com <cmd@apeasternpower.com>; cmd@apspdcl.in <cmd@apspdcl.in>; prameela.ranics@gmail.com <prameela.ranics@gmail.com>; cs@tssouthernpower.com <cs@tssouthernpower.com>; cs@tsnpdcl.in <cs@tsnpdcl.in>; csbescom@gmail.com <csbescom@gmail.com>; csgescom@gmail.com <csgescom@gmail.com>; cs.hescom@gmail.com <cs.hescom@gmail.com>; mdmescom@rediffmail.com <mdmescom@rediffmail.com>; manojkumar.t@greenkogroup.com <manojkumar.t@greenkogroup.com>; cscesc@cescmysore.org <cscesc@cescmysore.org>

1 attachment (8 MB)

Scanned Petition_Kurnool 2nd 400kV line bay.pdf;

Sir/Madam,

Please find attached the tariff petition which is being filed in CERC for the following asset for **determination of transmission tariff:**

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) (Bay No.412) (Reference number on CERC e-filing portal : 1181/2024)

It is informed that the petition is also accessible on e-filing portal of Hon'ble CERC. Further, the subject petition is also available on POWERGRID's website.

This service is as per terms of Regulation 23 (4) of Central Electricity Regulatory Commission (Conduct of business) Regulations, 2023.

With Regards,

POWERGRID Commercial SR Group



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

Petition No. ___ /TT/ ___

IN THE MATTER OF: Petition for determination of tariff for **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) (Bay No.412)** in Southern Region 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.

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

Tamil Nadu Generation and Distribution Corporation Ltd.

NPKRR Maaligai, 800, Anna Salai,

Chennai-600 002

Represented by its Chairman & Managing Director

And others

.....RESPONDENTS

FILED BY

POWER GRID CORPORATION OF INDIA LTD.

Place: Gurugram

REPRESENTED BY


(Mohd Mohsin)

Chief General Manager (Commercial/RC)

PLACE : GURGAON

DATED : 26.11.2024



BEFORE
THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO.:

IN THE MATTER OF: Petition for determination of tariff for 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) (Bay No.412) in Southern Region 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.

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Represented by its Chairman & Managing Director

.....RESPONDENTS

And others

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FILED BY
POWER GRID CORPORATION OF INDIA LTD.

REPRESENTED BY


(Mohd Mohsin)

Chief General Manager (Commercial/RC)

PLACE : GURGAON

DATED : 26.11.2024



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.....PETITIONER

Tamil Nadu Generation and Distribution Corporation Ltd.

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Chennai-600 002

Represented by its Chairman & Managing Director

.....RESPONDENTS

And others

To,

The Secretary

Central Electricity Regulatory Commission

New Delhi-110 029

Sir,



The present tariff Petition is filed 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),2019 and Central Electricity Regulatory Commission (Terms and Condition of Tariff Regulations),2024 and same may be pleased to be registered and taken on record by the Hon'ble Commission.

FILED BY
POWER GRID CORPORATION OF INDIA LTD.

REPRESENTED BY


(Mohd Mohsin)
Chief General Manager (Commercial/RC)

PLACE : GURGAON

DATED : 26.11.2024



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Chennai-600 002

Represented by its Chairman & Managing Director

And others

.....RESPONDENTS

MEMO OF PARTIES

Power Grid Corporation of India Ltd.

.....PETITIONER

VERSUS

Southern Region

....RESPONDENTS

1. Tamil Nadu Generation and Distribution Corporation Ltd.

NPKRR Maaligai, 800, Anna Salai,



Chennai – 600 002

Represented by its Chairman & Managing Director

2. Kerala State Electricity Board Ltd (KSEBL)

Vaidyuthi Bhavanam

Pattom, Thiruvananthapuram – 695 004

Represented by its Chairman

3. Electricity Department, Government of Goa

Vidyuti Bhawan, Panaji, Goa 403001

Represented by Chief Engineer (Electrical)

4. Electricity Department, Govt. of Pondicherry

137, Netaji Subash Chandra Bose Salai

Pondicherry - 605001

Represented by its Chief Secretary

5. Eastern Power Distribution Company of Andhra Pradesh Limited (APEPDCL)

P&T Colony, Seethmadhara, VISHAKHAPATNAM, Andhra Pradesh,

Represented by its Chairman & Managing Director

6. Southern Power Distribution Company of Andhra Pradesh Ltd (APSPDCL)

#19-13-65/A, Srinivasapuram, Tiruchanoor Road

Tirupati – 517503, Andhra Pradesh

Represented by Its Chairman & Managing Director

7. Andhra Pradesh Central Power Distribution Company Limited (APCPDCL)

Corporate Office, Beside Polytechnic College, ITI Road

Vijayawada - 520 008, Krishna District, Andhra Pradesh

Represented by Its Chairman & Managing Director

8. Southern Power Distribution Company of Telangana Limited (TSSPDCL)

6-1-50, Corporate Office, Mint Compound,

HYDERABAD – 500 063, Telangana

Represented by Its Chairman & Managing Director

9. Northern Power Distribution Company of Telangana Limited (TSNPDCL)

H.No. 2-5-3 1/2, Vidyut Bhawan, Corporate Office,

Nakkal Gutta, Hanamkonda, WARANGAL – 506 001, Telangana

Represented by Its Chairman & Managing Director

10. Bangalore Electricity Supply Company Ltd., (BESCOM)

Corporate Office, K.R.Circle,



BANGALORE – 560 001, Karanataka

Represented by Its Managing Director

11. Gulbarga Electricity Supply Company Ltd. (GESCOM)

Corporate Office, Station Main Road, Opp. Parivar Hotel,

Gulbarga (Kalburgi), KARNATAKA - 585102

Represented by Its Managing Director

12. Hubli Electricity Supply Company Ltd. (HESCOM)

Navanagar, PB Road, HUBLI, Karnataka- 580025

Represented by Its Managing Director

13. Mangalore Electricity Supply Company Ltd. (MESCOM)

Corporate Office, 1st Floor, MESCOM Bhavan,

Kavoor Cross Road, Bejai, Mangalore – 575 004, Karnataka

Represented by Its Managing Director

14. Chamundeswari Electricity Supply Corporation Ltd. (CESC)

Corporate Office, #29, Vijayanagara 2nd Stage,

Hinkal, Mysuru-570017, KARNATAKA

Represented by Its Managing Director

15. Greenko AP01 IREP Private Limited

Second floor, Block D, Plot no. 13, Hitech city layout

Madhapur, Hyderabad-500081

Represented by Its Managing Director

16. Central Transmission Utility of India Ltd.

Saudamini, Plot No. 02,

Sector 29, Gurugram – 122001

Represented by Its Chief Operating Officer

PETITIONER

POWER GRID CORPORATION OF INDIA LTD.

REPRESENTED BY


(Mohd Mohsin)

Chief General Manager (Commercial/RC)

PLACE : GURGAON

DATED : 26.11.2024



BEFORE
THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

IN THE MATTER OF: Petition for determination of tariff for **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) (Bay No.412)** in Southern Region 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.

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And others

.....RESPONDENTS

MEMO OF APPEARANCE

POWER GRID CORPORATION OF INDIA LTD.

.....PETITIONER

1. Shri Dilip Nagesh Rozekar, ED (Commercial & RC), POWERGRID
2. **Shri Mohd Mohsin, Chief GM (Commercial/RC), POWERGRID**
3. Shri V. C. Sekhar, Sr. GM (Comml-RC), POWERGRID
4. Shri Zafrul Hasan, GM (Comml-Petition), POWERGRID



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

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

PETITIONER
POWER GRID CORPORATION OF INDIA LTD.

REPRESENTED BY


(Mohd Mohsin)
Chief General Manager (Commercial/RC)

PLACE : GURGAON

DATED : 26.11.2024



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.....PETITIONER

Tamil Nadu Generation and Distribution Corporation Ltd.

NPKRR Maaligai, 800, Anna Salai,

Chennai-600 002

Represented by its Chairman & Managing Director

And others

.....RESPONDENTS

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 being 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 the distribution licensees and Government department of the respective states, which are engaged in distribution of electricity mainly in Southern Region of India, and Greenko AP01 IREP Private Limited as well. The respondents are also ‘Designated Inter State Transmission Customer’ (hereinafter referred to as ‘DICs’) in terms of the Sharing Regulations, 2020 from Southern region.

(iii) Background of Transmission Assets:

2. POWERGRID is filing the present petition for determination of tariff for the following asset:

Asset No.	Asset Name	SCOD	Proposed DOCO
Asset-1	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) (Bay No.412)	27.02.2024	02.09.2024*

**Power flow in Asset-1 could not be achieved due to non-readiness of associated 400kV transmission line/generation which are under the scope of M/s. Greenko AP01 IREP Private Limited. Hence, approval of DOCO is being Claimed under Regulation 5 of Tariff Regulations,2024 and Regulation 27 of Indian Grid Code Regulations,2023.*

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



S.No.	Event	Date
1.	(i) 9 th Consultation Meeting for Evolving Transmission System in Southern Region held on 29.07.2022 (ii) CTUIL recommendation for implementation of instant project by POWERGRID through RTM route (OM Ref. no. C/CTU/AI/00/9 th CCTP dated 28.11.2022)	28.06.2022 28.11.2022
2.	Investment Approval	27.03.2023
3.	SCOD	27.02.2024
4.	Proposed DOCO	02.09.2024

(v) Summary of Claims:

3. POWERGRID is seeking determination of tariff for aforesaid transmission assets on estimated capital cost comprising of capital cost incurred upto Commercial Operation Date (“COD”) in compliance with Regulation 9 of Tariff Regulations, 2024 and projected additional capital expenditure in accordance with terms of Regulation 24 & 25 of Tariff Regulations, 2024.

It is submitted that the power flow in Asset-1 could not be achieved due to non-readiness of associated 400kV transmission line/generation, which are under the scope of M/s Greenko AP01 IREP Private Limited.

It is further submitted that the Petitioner has completed its scope of the transmission system but was not able to put the same under regular service due to delay on the part of the Generation Utility (i.e. M/s Greenko AP01 IREP Private Limited). CEA clearance was obtained on 29.08.2024 and no load trial operation of the instant asset was completed on 11:35 hrs on 01.09.2024. Accordingly, COD was declared w.e.f. 02.09.2024 on deemed basis.

Copy of the CEA certificate, RLDC certificate, CMD certificate and notice issued under Regulation 21(2) of IEGC Regulations, 2023 for the asset covered under instant petition are attached hereto as **Encl.– 3**.



It is therefore prayed that the Hon'ble Commission may approve the Proposed DOCO as 02.09.2024 for Asset-1 as claimed under Clause 5 of Tariff Regulations,2024 and Clause 27 of IEGC Regulations, 2023.

4. The details of FR/RCE approved cost vis-à-vis claimed capital cost as on COD and additional capital expenditure during 2024-29 tariff block is as under:

(Rs. in Lakhs)

Asset No.	Apportioned Approved Cost as per FR	Apportio- ned Approved Cost as per RCE	Expendi- ture Up to COD	Projected Expenditure					Estimated completion Cost
				2024- 25	2025- 26	2026 -27	2027 -28	2028 -29	
Asset-1	550.00	650.00	310.27	287.82	59.09	-	-	-	657.18

5. **Details of Time-Overrun:**

There is a time overrun of 189 days in commissioning of subject asset with respect to SCOD of 27.02.2024. The petitioner is seeking condonation of delay as the same is attributable to delay encountered beyond the control of POWERGRID. Reasons for time overrun are provided in Para 15 of the instant petition.

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

7. **Details of tariff claimed are as follows:**

(Rs. in Lakhs)

Sl. No.	Asset	2024-25	2025-26	2026-27	2027-28	2028-29
1	Asset-1	62.24	136.71	140.07	138.88	137.77



B. DETAILED PETITION:

MOST RESPECTFULLY SHOWETH:

Issue wise submission(s)

8. The Petitioner, 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, 2019 and 2024.
10. That the subject project/petition covers approval of transmission tariff for following Assets:

Asset No.	Asset Name	Proposed DOCO
Asset-1	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) (Bay No.412)	02.09.2024

Approval of the Scheme :

11. That the petitioner has been entrusted with the “**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) (Bay No.412)**”. The investment approval of the project was accorded by Competent Authority i.e. CMD vide Memorandum dated 27.03.2023 with an estimated cost of Rs.5.50 Crore, including IDC of Rs.0.15 Crore, at December,2022 price level; a copy whereof is attached hereto as **Encl.-1**.
12. That the scope of the scheme was discussed and agreed in the 9th Consultation Meeting for Evolving Transmission System in Southern Region held on 29.07.2022 through virtual mode. Subsequently, CTUIL vide OM Ref. no. C/CTU/AI/00/9th CCTP



dated 28.11.2022 recommended the scheme " **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) (Bay No.412)**" for implementation by POWERGRID through RTM route with an estimated cost of **Rs.8.55 Crore**.

Extracts of the 9th CMETS in SR and CTU OM dated 28.11.2022 are enclosed herewith as **Encl.-2**.

SCOPE OF WORK:

13. The scope of work covered under the project "**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) (Bay No.412)**" are as follows:

a) **Extension at Kurnool New (POWERGRID) S/s:**

Implementation of 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) (Bay No.412) : 1 No.

The SLD and DPR extract of the scheme is attached hereto as **Encl.- 3**.

The details of the petition filed under the instant Project is given as here under:

SI No	Asset Name	SCOD	Proposed DOCO	Petition
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) (Bay No.412)	27.02.2024	02.09.2024	Covered under instant petition

CEA Energization clearance, RLDC trial operation certificate, CMD certificate and COD certificate for the instant asset have been enclosed as **Encl.-3**.



It is submitted that as per the 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 with the commissioning of subject asset. Accordingly, the instant petition is being filed in compliance with Regulation 9 of CERC Regulations,2024.

14. Implementation Schedule:

As per the investment approval dated 27.03.2023, the subject asset was scheduled to be commissioned by 27.02.2024, against which the subject asset could be commissioned and put under commercial operation as follows:

Asset	SCOD	Proposed DOCO	Delay w.r.t. Revised SCOD (in days)
Asset-1	27.02.2024	02.09.2024	189

15. Approval of DOCO:

As mentioned in Para 3 above, the present petition qualifies as a case of mismatch between the asset of the Petitioner and associated 400kV transmission line/generation of M/s Greenko AP01 IREP Private Limited. It is submitted that as per Regulation 5 of Tariff Regulations,2024, the following provision is applicable for approval of DOCO by Hon'ble Commission in case of non-readiness of associated transmission system of generators.

CERC (Terms and Conditions of Tariff) Regulations,2024 :-



“5. Date of Commercial Operation: (1) *The date of commercial operation of a generating station or unit thereof or a transmission system or element thereof and associated communication system shall be determined in accordance with the provisions of the Grid Code. In the event of mismatch of COD between associated transmission and/or generating stations, the liability for the transmission charges shall be in accordance with the provisions of the Sharing Regulations, 2020 as amended from time to time.”*

Relevant extract of **CERC (Indian Electricity Grid Code) Regulations,2023 :-**

“27.(1)(c) Transmission System

(i)

Provided also that in case a transmission system or an element thereof executed under regulated tariff mechanism is prevented from regular service on or after the scheduled COD for reasons not attributable to the transmission licensee or its supplier or its contractors but is on account of the delay in commissioning of the concerned generating station or in commissioning of the upstream or downstream transmission system of other transmission licensee, the transmission licensee shall approach the Commission through an appropriate petition along with a certificate from the CTU to the effect that the transmission system is complete as per the applicable CEA Standards, for approval of the commercial operation date of such transmission system or an element thereof: ” (Fourth Proviso)

The instant asset, i.e. 2nd 400kV line bay at Kurnool sub-station was planned for evacuation from generation. However, power flow in the scope of the petitioner could not be achieved due to non-readiness of associated transmission system at Kurnool, which was to be implemented by M/s Greenko AP01 IREP Private Limited. The said asset (Asset-1 of instant petition) has been charged for the first time under no load conditions on 31.08.2024 and proposed to be put under commercial operation w.e.f. 02.09.2024. Therefore, the instant case qualifies to be declared as deemed COD and approval of DOCO has been sought in accordance with Regulation 5 of Tariff Regulations,2024 and Regulation 27 of IEGC,2023.

Details pertaining to readiness of asset in the instant petition and its proposed DOCO are furnished below :-



Name of Asset	Date of prior notice to RLDC	Date of CEA approval for energization	Date of commissioning of asset	Proposed DOCO claimed
Asset-1	26.08.2024	29.08.2024	01.09.2024	02.09.2024

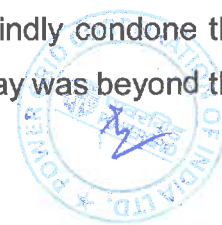
Petitioner intimated the readiness of asset to nodal agency, i.e. SRLDC. Copy of CEA certificate, RLDC certificate, CMD certificate and notice issued under Regulation 21(2) of IEGC Regulations, 2023 for the asset covered under instant petition are attached hereto as **Encl.– 3**.

It is hereby prayed that the Hon'ble Commission may approve the Proposed DOCO as 02.09.2024 for Asset-1 as claimed under Clause 5 of Tariff Regulations, 2024 and Clause 27 of IEGC Regulations, 2023 and allow full tariff as claimed under instant petition.

16. Reasons of delay:

As per the table shown in Para 14 above, there is a time overrun of 189 days in commissioning of subject asset. It is submitted that POWERGRID, being a government enterprise, is bound to comply with several guidelines. Further, to achieve optimum and competitive price and to reduce the burden on beneficiaries, packaging of contracts for the Project procurement, i.e., grouping of equipment/goods/works/services into an optimum quantity is being strictly followed by POWERGRID. Further, in the instant case, considering economy in procurement to obtain better competitive price, with the subject scope of work being relatively small in bid size, the same was clubbed with different projects coming up during that time. This resulted in better prices, however, the whole process of tendering and award of contract took considerable time due to approvals of other assets/projects clubbed together. In the process of achieving a better competitive price, a marginal delay of 189 days has been encountered. It is humbly submitted that the said delay was beyond the control of POWERGRID.

17. It is therefore prayed before the Hon'ble Central Commission to kindly condone the aforementioned delay in completion of subject asset as the said delay was beyond the control of POWERGRID.



18. Estimated Completion Cost:

The present Petition for determination of tariff is filed in line with provision 9(1) of tariff Regulation 2024 applicable for 2024-29 period. The capital cost incurred up to COD 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.-4.

(Rs. in Lakhs)

Asset No.	Apportioned Approved Cost as per FR	Apportioned Approved Cost as per RCE	Expenditure Up to COD	Projected Expenditure					Estimated completion Cost
				2024-25	2025-26	2026-27	2027-28	2028-29	
Asset-1	550.00	650.00	310.27	287.82	59.09	-	-	-	657.18

Cost variation w.r.t. RCE:

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

(Rs. in Lakhs)

Asset No.	Apportioned RCE Approved Cost (a)	Estimated completion Cost (b)	Cost Variation (c=b-a)
Asset-1	650.00	657.18	7.18

The item-wise cost variation between FR/RCE approved cost and estimated completion cost have been given in Form-5. There is a slight variation in estimated completion cost vis-à-vis RCE-I cost. It is submitted that revised RCE of the instant asset is under preparation and will be submitted to Hon'ble Commission upon its approval.

Further, the salient reasons of **cost variation vis-à-vis apportioned FR approved cost** are given here as under:-

Cost variation in the Sub-station equipment Cost including civil works (Increase of Rs.120.60 Lakh):



It is submitted that through open competitive bidding process, lowest possible market prices for required product/services/as per detailed designing is determined and contracts are awarded on the basis of lowest evaluated eligible bidder on overall basis. The best competitive bid prices against tenders may vary as compared to the cost estimate depending upon prevailing market conditions, design and site requirements vis-à-vis the estimates which 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/ bid prices as a general practice. It is submitted that the cost estimate of the project is 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/RCE estimates are beyond the control of the petition.

Variation in IDC (Decrease of Rs.11.62 Lakh):

It may be mentioned that in FR, IDC was calculated considering rate of interest for domestic loans @9.70%. However, in actual, the weighted average rate of interest of deployed loans is considered. The actual IDC accrued up to COD has been considered at the time of claim of Tariff.

Variation in IEDC (Decrease of Rs.1.80 Lakh):

In investment approval, IEDC and Contingency of 10.75% and 3% have been considered respectively, whereas in the Auditor Certificate, IEDC has been considered based on the actual expenditure under the subject head.

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



Cost Variation w.r.t. CTUIL OM :

It is submitted that there is no cost variation vis-à-vis estimated cost in CTUIL OM dated 28.11.2022, as shown in table below:

(Rs. in Lakhs)

Asset No.	Total Estimated cost as per CTUIL OM (a)	Estimated completion Cost (b)	Cost Variation (c=b-a)
Asset-1	855.00	657.18	-197.82

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 capitalised 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 claimed in the present petition is given below :-

(Rs. in Lakhs)

Assets	Particulars	Plan & Machinery cost (A)	Initial Spares Claimed (B)	Ceiling Limit (%) (C)	Initial Spares Worked out $D = [(A-B) * C / (100-C)]$	Excess [B-D]
Asset-1	SS (Brown Field)	523.24	30.07	6	31.48	-

It is submitted that initial spares claimed in the instant petition is within the norms allowed by this Hon'ble Commission. Therefore, it is prayed to allow the initial spares as claimed by the Petitioner.

It may be mentioned that in the Auditor Certificate, initial spares discharged upto COD are included in COD cost, whereas initial spares discharged after COD are included in the Add-Cap expenditure of the respective year.

Details of initial spares discharged is enclosed at **Encl.-4**.

DETAILS OF THE ADDITIONAL CAPITALIZATION

21. The details of Add Cap claimed during 2024-29 tariff block is given as hereunder:

Add cap for 2024-29 block:

Asset	Add cap detail (Rs. in Lakhs)				
	2024-25	2025-26	2026-27	2027-28	2028-29
	287.82	59.09	-	-	-
Asset-1	Claimed under regulation 24(1)(a) & 24(1)(b)				



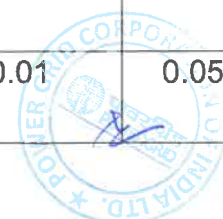
TRANSMISSION TARIFF for 2024-29 BLOCK:

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.
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 COD and Actual/estimated expenditure from COD 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-5**.
24. Further, for the instant asset, details of accrual IDC as considered under add cap during the year of discharge is tabulated below:

Asset-1:

(Rs. in Lakhs)

Sl. No.	Expenditure	Building & Civil Works	Trans. Lines	Sub-station	Communi-cation Excl. OPGW	Total
1	As per Auditor Certificate (Upto DOCO) as on 29.06.2024	0	0	277.86	32.41	310.27
2	Less : Accrual IDC upto DOCO	0	0	0.04	0.01	0.05
3	Add : Notional IDC	0	0	3.53	0.41	3.94
4	Expenditure upto DOCO (excluding Accrual IDC and including notional IDC)	0	0	281.34	32.82	314.16
5	Estimated Expenditure for FY 2024-25 (As per auditor certificate)	0	0	244.19	43.63	287.82
6	Add : Accrual IDC to be discharged in FY 2024-25	0	0	0.04	0.01	0.05



Sl. No.	Expenditure	Building & Civil Works	Trans. Lines	Sub-station	Communi-cation Excl. OPGW	Total
7	Estimated Expenditure in FY 2024-25 (Including Accrual IDC)	0	0	244.23	43.64	287.87
8	Estimated Expenditure in FY 2025-26	0	0	59.09	0.00	59.09
9	Total Estimated Completion Cost	0	0	584.66	76.46	661.12

25. It is submitted that for the instant asset, out of the total IDC of Rs.3.38 Lakhs, Rs.3.33 Lakhs has been discharged upto COD as per Cash IDC statement. The balance IDC of Rs.0.05 Lakhs is likely to be discharged during FY 2024-25. Further, the entire amount of IEDC for the instant asset has been discharged as on COD. It is further submitted that expenditure other than the above accrued IDC has been considered on cash basis in the Auditor's certificate.

26. The Hon'ble Commission is requested to kindly allow the IDC on the basis of cash out flow. It is further submitted that accrued IDC to be discharged during FY 2024-25, as claimed in table at Para 24 above, has not been included in the Add Cap expenditure for the respective year as per Auditor certificate. Cash IDC statement is enclosed at **Encl.-4A**.

27. Notional IDC:

It is submitted that the petitioner has claimed notional IDC of Rs.3.94 Lakhs in the subject asset. The same has been claimed in accordance with the provisions of Regulation 19(2)(b) and 21(1) of CERC Tariff Regulations,2024. The calculation of the same is enclosed as **Encl.-4B**.

28. 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. Further, interest rate proofs for loans deployed in the subject assets are enclosed as **Encl.-4C**.



29. The transmission tariff has been calculated based on audited cost and considering accrued IDC to be discharged thereafter. Calculations for working out the tariff along with supporting documentation are enclosed as **Encl.-5**. 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	62.24	136.71	140.07	138.88	137.77

30. That, it is submitted that the petitioner is 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.

31. 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 29 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.

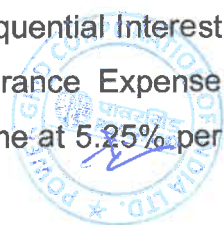
32. In the tariff calculation for 2024-29 period, Interest on Loan has been calculated on the basis of rate prevailing as on COD/01.04.2024 for respective loans. The change in Interest rate due to floating rate of interest applicable, if any, for the project needs to be claimed / adjusted over the tariff block of 05 years directly from the beneficiaries.
33. The transmission charges at Para 29 above is inclusive of O&M expenses derived for the subject asset based on the norms for O&M expenditure for Transmission System as specified under regulation 36(3) - (a) & (d) of the tariff regulations for tariff block 2024-29 but excludes security expenses, Insurance and capital spares as provided in the Regulation.
34. That as per Regulation 36(3)(d) of CERC Tariff Regulations, 2024, the Security Expenses, Insurance and Capital Spares more than 10 Lakh for transmission system shall be allowed separately after prudence check.

Security Expenses:

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

Insurance:

In this regard, it is submitted that a separate petition shall be filed before Hon'ble Commission for claiming the overall Insurance Expenses and consequential Interest on Working Capital (IOWC) on the same considering actual Insurance Expense incurred by the Petitioner for the FY 2023-24 after escalating the same at 5.25% per



annum for arriving at the Estimated Insurance Expense for the year 2024-25, 2025-26, 2026-27, 2027-28 and 2028-29.

Capital Spares:

It is submitted that the Petitioner has filed a separate Petition bearing No. 45/MP/2024 for claiming the capital spares under Tariff Regulations, 2019. Further, as per Tariff Regulations, 2024, Capital spares consumed and consequential Interest on Working Capital (IOWC) on the same shall be claimed by the Petitioner as per actual through a separate petition.

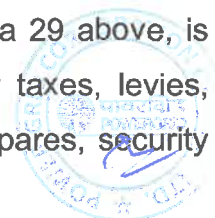
Accordingly, these expenses are not claimed in the subject petition through the relevant Tariff Form and shall be claimed separately.

35. 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.

36. 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.

37. The Transmission Charges and other related Charges indicated at Para 29 above, is exclusive of incentive, late payment surcharge, FERV, any statutory taxes, levies, duties, cess, filing fees, license fee, RLDC fees and charges, capital spares, security



expenses, insurance expenses or any other kind of imposition (s) and/ or other surcharges etc. whatsoever imposed / charged by any Government (Central/State) and / or any other local bodies/authorities/regulatory authorities in relation to transmission of electricity, environmental protection, and/or in respect of any of its installation associated with the Transmission System and the same shall be borne and additionally paid by the respondent(s) to the petitioner and the same shall be charged, billed separately by the petitioner on the respondents.

Sharing of Transmission Charges

38. Tariff for Transmission of Electricity (Annual Fixed Cost) for 2024-29 as per Para 29 above shall be recovered on monthly basis in accordance with Regulation 78 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 and shall be shared by the beneficiaries and long-term transmission customers in Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020 or as amended from time to time.
39. 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.-6 may please be treated as integral part of this petition.**

40. PRAYER

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

- a) Condone the delay in completion of subject asset on merit of the same as prayed in Para 15 above and approve the Proposed DOCO.
- b) Admit the capital cost as claimed in the Petition and approve the Additional Capitalization incurred / projected to be incurred.
- c) Approve the Transmission Tariff for tariff block 2024-29 block for the asset covered under this petition, as per Para 29 above.
- d) Allow to submit RCE as prayed at Para 18 above.
- e) Allow the Initial spares claimed in Para 20 above.
- f) 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.

- g) 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) of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024, and other expenditure (if any) in relation to the filing of petition.
- h) 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 93(4) of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024.
- i) Allow the petitioner to bill and adjust impact on Interest on Loan due to change in Interest rate on account of floating rate of interest applicable during 2024-29 period, if any, from the beneficiaries.
- j) Allow the petitioner to file a separate petition before Hon'ble Commission for claiming the overall security expenses and consequential IOWC on that security expenses as mentioned at Para 34 above.
- k) Allow the petitioner to file a separate petition before Hon'ble Commission for claiming the overall insurance expenses and consequential IOWC on that insurance expenses as mentioned at Para 34 above.
- l) Allow the petitioner to file a separate petition before Hon'ble Commission for claiming the overall capital spares at the end of tariff block as per actual as mentioned at Para 34 above.
- m) Allow the petitioner to claim expenses of CTUIL borne by POWERGRID through a separate petition as mentioned at Para 35 above.
- n) 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.
- o) 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.

FILED BY
POWER GRID CORPORATION OF INDIA LTD.

REPRESENTED BY



(Mohd Mohsin)

Chief General Manager (Commercial/RC)

PLACE : GURGAON

DATED : 26.11.2024



BEFORE
THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO.:

IN THE MATTER OF: Petition for determination of tariff for **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) (Bay No.412)** in Southern Region 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.

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

Tamil Nadu Generation and Distribution Corporation Ltd.

NPKRR Maaligai, 800, Anna Salai,
Chennai-600 002
Represented by its Chairman & Managing Director
And others

.....RESPONDENTS

AFFIDAVIT VERIFYING THE PETITION

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



1. That the deponent is the Chief General Manager of Petitioner and is well conversant with the facts and the circumstances of the case and therefore competent to swear this affidavit.
2. That the accompanying Petition under Section 62 of the Electricity Act, 2003, has been filed by my authorised representative/nominated counsel under my instruction and the contents of the same are true and correct to the best of my knowledge and belief.
3. That the contents of Para 01 to 39 of the facts as mentioned in the Petition are true and correct based on my personal knowledge, belief and records maintained in the office and the contents of Para 01 to 39 of the Petition are believed to be true on the basis of the legal advice received.
4. That the annexures annexed to the Petition are correct and true copies of the respective originals.
5. That the Deponent has not filed any other Petition or Appeal before any other forum or court of law with respect to the subject matter of the dispute.


(DEPONENT)

VERIFICATION

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


(DEPONENT)

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





पावरग्रिड
POWERGRID

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

Ref: CC/Commercial/2024

Date: 28.08.2024

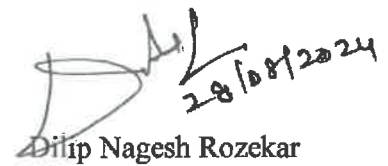
LETTER OF AUTHORIZATION

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)



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केन्द्रीय कार्यालय : "सौदामिनी" प्लॉट सं. 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-110016 011-26560112, 26564812, 26564812, 26564892, सीआईएन : L40101DL1989GOI038121
Registered Office : B-9, Qutab Institution Area, Katwaria Sarai, New Delhi-110016. Tel.: 011-26560112, 26564812, 26564812, 26564892, CIN : L40101DL1989GOI038121
Website : www.powergridindia.com



C/CP/PA2223-12-0BF-IA039

पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)
March 27, 2023

MEMORANDUM

SUB: Investment Approval for "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)"

Investment approval for "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)" has been accorded by CMD on March 27, 2023 as per the details given below:

1. SCOPE OF PROJECT

Broad Scope of works:

(a) Extension at Kurnool New (POWERGRID) S/s:

Implementation of 400kV line bay for providing connectivity to M/s Greenko AP01 IREP Pvt. Ltd. (2nd 400kV line bay for M/s Greenko) (Bay No. 412) : 1 No.

2. PROJECT COST & FUNDING

The estimated cost of the project based on December, 2022 price level is **₹5.50 crore** including IDC of **₹0.15 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 (ECB) etc. and equity component through internal resources.

3. COMMISSIONING SCHEDULE

The project is scheduled to be commissioned by 27.02.2024.

(Best efforts shall be carried out to implement the transmission scheme by 15.12.2023 as per the request of M/s Greenko AP01 IREP Pvt. Ltd in its application/grant for enhancement of connectivity)

(A. Jagannath Rao)
27/03/23
(A. Jagannath Rao)
CGM (CP)



केन्द्रीय कार्यालय "सादामिनी" : 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, Qutub Institutional Area, Katwaria Sarai, New Delhi- 110 016. Tel: 011-26560112, 26560121, 26564812, 26564892. CIN: L40101DL1989GOI038121

Website: www.powergridindia.com

ABSTRACT COST ESTIMATE		
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)		
(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	4.51
C	Sub Total (A TO B)	4.71
D	Incidental Expenditure During construction (IEDC) @ 10.75% of C	0.51
E	Contingencies @ 3% of C	0.14
	Sub Total (A TO E)	5.35
F	Interest During Construction (IDC)	0.15
	GRAND TOTAL	5.50

LTo



वितरण /Distribution:

1. Chairman-cum-Managing Director, Kerala State Electricity Board, Vidyuthi Bhawanam, Pattom, Thiruvananthapuram - 695 004.
2. Managing Director Karnataka Power Transmission Corp. Ltd., Cauvery Bhawan, Bengaluru - 560 009
3. Managing Director, Tamil Nadu Transmission Corporation Ltd (TANTRANSCO), 6th Floor, Eastern Wing, 800 Anna Salai, Chennai - 600002
4. Chairman and Managing Director, Transmission Corp. of Andhra Pradesh Ltd. (APTRANSCO), Gunadala, Eluru Road, Vijayawada, Andhra Pradesh
5. Chairman-cum-Managing Director, Transmission Corp. of Telangana Ltd. (TSTRANSCO), Vidyut Soudha, Khairatabad, Hyderabad – 500 082
6. Superintending Engineer –I, First Floor, Electricity Department, Gingy Salai, Puducherry – 605 001.
7. Executive Engineer, Divisional Office, Lakshadweep Electricity Department, Kavaratti Island, UT of Lakshadweep.
8. CMD, Grid Controller of India Limited, B-9 (1st Floor), Qutab Institutional Area, Katwaria Sarai, New Delhi -110 001

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, Southern Region Power Committee, 29, Race Course Cross Road, Bangalore 560 009.
4. Joint Secretary, Ministry of Statistics & Programme Implementation, Sardar Patel Bhawan, New Delhi-110001
5. Joint Secretary (Transmission), MoP, Shram Shakti Bhawan, New Delhi- 110 001
6. Joint Secretary (Plan Finance Div.-II), Ministry of Finance, North Block, New Delhi- 110 001
7. Director, Ministry of Finance (Plan finance Div.), North Block, New Delhi- 110 001
8. Under Secretary, Finance & Budget Section, MoP, Shram Shakti Bhawan, New Delhi- 110 001

(A. Jagannath Rao)
CGM (CP)



Important Note:

As per approval, following critical activities may be monitored:

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

Distribution:

ED : CMG / Engg.- SS, TL, Civil, CE / 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/ SRTS-I/ CTUIL

Chief GM : Admin-IR/ HRD

Company Secretary

For kind information of:

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

(A. Jagannath Rao)
CGM (CP)
29/09/23



Risk Management Matrix for "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.	Risk Parameters	Broad Mitigation steps		Responsibility Centre**
		Mitigation-1	Mitigation-2	
1	Delay in obtaining Forest clearance due to cumbersome process		Not Applicable	
2	Delay in commencement of project	Award of major contracts to be placed within 1 month of Investment Approval & Contract Agreement to be signed within 1 month thereafter	Kick-off meeting within 1 month of Letter of Award	CS/CMG
3	Time overrun due to delay in resolution of RoW issues in construction of Transmission line		Not Applicable	
4	Delay in land acquisition of substations		Not Applicable	
5	Idling of transmission system due to non-readiness of generator / downstream / upstream transmission system		Not Applicable	
6	Restriction of additional cost by CERC in absence of RCE	RCE-1 to be prepared within 1 month of award of all major packages (Tower & Substation)	RCE-11 to be prepared when actual Capex is > 50% & thereafter regular review of project cost and completion schedule to ascertain requirement, if any, of further RCE requirement	Site Project Head / Cost. Engg.
7	Restriction of IDC/IEDC by CERC due to lack of / insufficiency in documentary evidence of time overrun	Regular records to be maintained regarding constraints in project progress and documented for support	Hindrance Register to be maintained in SAP and reviewed regularly by project Head	Site Project Head / Commercial
8	Failure of equipment due to non-resolution of quality issue resulting in delay in projects	All major equipment quality checks to be maintained at Level-4	Quality to be ensured at different stages of manufacture as per standard practice.	QA & I Group
9	Non-compliance to statutory requirement of legal / safety / social / environmental etc.	Preparation of check-list at RHQ level and monitoring of same		Site Project Head
10	Timely Implementation of the Project			
a.	Commencement			
1	Finalization of L2	Within 1 month of NOA		CMG
2	Site Mobilisation	As per L2		Site Project Head
3	Survey		Not Applicable	
4	Statutory Approvals/ NOC (i.e. PTCC, Civil Aviation, Defence Establishment etc.)		Not Applicable	
b.	Physical Progress			
1	Foundation/Civil works etc.	As per L2	Complete 3 months before completion schedule	Site Project Head
2	Erection of Equipment	As per L2	Complete 1 month before completion schedule	Site Project Head
3	Stringing		Not Applicable	
4	Supply of equipment	As per L2	Completion 2 months before completion of erection	CC: Head (Engg.- S/s) Site Project Head
c.	Commissioning	As per L2		Site Project Head

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

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C/CP/PA2425-07-0P-RCE012

Date: October 29, 2024

MEMORANDUM

Sub: Revised Cost Estimate for "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) (Bay No. 412)"

Kindly refer to Memorandum C/CP/PA2223-12-0BF-IA039 dated March 27, 2023 regarding Investment approval of the subject project at an estimated cost of ₹5.50 crore including IDC of ₹0.15 crore based on December, 2022 price level with commissioning schedule of February 27, 2024.

Subsequently, due to increase in estimated cost of project, Revised Cost Estimate has been approved by Committee on Investment on Projects (CoIP) in its 169th meeting held on October 23, 2024 at ₹6.50 crore including IDC of ₹0.06 crore with commissioning schedule of August 2024 as per the details given below:

1. Scope of Project

Scope of work under the project is as below:

Extension at Kurnool New (POWERGRID) S/s:

Implementation of 400kV line bay for providing connectivity to M/s Greenko AP01 IREP Pvt. Ltd. (2nd 400kV line bay for M/s Greenko) (Bay No. 412)

400 kV

Line bay: 1 No.

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

Revised Cost Estimate of the project is ₹6.50 crore including IDC of ₹0.06 crore. The abstract of Revised Cost Estimate is attached at Annexure-I.

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

3. कार्यावयन कार्यक्रम / Implementation Schedule

The revised commissioning schedule of the project is August, 2024.

(Priti Nahar)

Sr. DGM (Corporate Planning)

Annexure-I

ABSTRACT OF REVISED COST ESTIMATE		
Implementation of 400kV line bay for providing connectivity to M/s Greenko AP01 IREP Pvt. Ltd. (2nd 400kV line bay for M/s Greenko) (Bay No. 412) at 765/400kV Kurnool (New) substation		
Sl. No.	Description	Amount (Rs. Crore)
A	Civil Works	
	i) Infrastructure for substations	0.20
B	Equipment Cost	
	a) Sub-Stations	5.67
C	Sub Total (A to B)	5.87
D	IEDC including contingencies @ 3%	0.57
E	GRAND TOTAL excl. IDC	6.44
F	Interest during construction (IDC)	0.06
	GRAND TOTAL	6.50

---X---




वितरण /Distribution:

1. Chairman cum Managing Director, Kerala state electricity Board, Vaidyuthi Bhavanam, Pattom, Thiruvananthapuram - 695004
2. Chairman, Karnataka Power Transmission Corporation Limited, Cauvery Bhawan, Bangalore- 560009
3. Chairman, Tamil Nadu Electricity Board, 800, NPKR Ramaswamy Maligai, Anna Salai, Chennai – 600002
4. Chairman & Managing Director, Aptransco, Vidyut Soudha, Gunadala, Eluru Rd, Vijaywada, Andhra Pradesh 520004
5. Chairman & Managing Director, Transmission Corporation of Telangana Ltd, Vidyut Soudha, Khairatabad, Hyderabad – 500082
6. Chief secretary, Electricity Department of Pondicherry, Pondicherry – 605001
7. Executive Engineer, Divisional Office, Lakshadweep Electricity Department, Kavaratti Island, UT of Lakshadweep
8. CMD, Grid India Controller of India Limited, B-9 (1st floor), Qutub Institutional Area, Katwaria Sarai, New Delhi – 110001

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, SRPC, 29, Race Course Cross Road, Bangalore 560009
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



(Priti Nahar)

Sr. DGM (Corporate Planning)



Distribution:

ED : PMD/ Engg-Survey, Engg-HVDC,TD & SGKC / QA&I, FQA / CS / GA&C, ISD, ERP
& IT Cell / Commercial & RC/ ESMD & CSR/ Finance/ Safety, ESG & Net Zero /
NTAMC/ MM/ System Imp & Post Award/ CMG-Coord/ TBCB/ SR-II

CGM : HRD & Law/ RB & Corp Comm/ AM/ CCC/ TL,SS,CIVIL & Cost/ HR & IR / BDD
& JV/ IB/ RoW Cell & Admin

Company Secretary

OSD (Projects)

For kind information of :

CMD (through ES)

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



(Priti Nahar)
Sr. DGM (Corporate Planning)



सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड

(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)

(भारत सरकार का उदयम)

CENTRAL TRANSMISSION UTILITY OF INDIA LTD.

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

(A Government of India Enterprise)

Ref: CTU/S/00/9th CMETS-SR

Date: 16.08.2022

As per distribution list

Subject: Minutes of 9th Consultation Meeting for Evolving Transmission Schemes in Southern Region-reg.

Dear Sir/Ma'am,

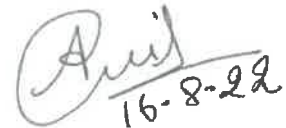
दक्षिणी क्षेत्र में पारेषण योजनाओं को विकसित करने हेतु दिनांक 29.07.2022 को वर्चुअल मोड से संपन्न हुई 9वीं परामर्श बैठक का संलग्न कार्यवृत्त प्राप्त करें। परामर्श बैठक का कार्यवृत्त वेबसाइट पर भी उपलब्ध है। (www.ctuil.in>> ISTS Planning and Coordination >> Consultation Meeting for ISTS>> Southern Region)

Please find attached minutes of the 9th Consultation Meeting for Evolving Transmission Scheme in Southern Region held on 29.07.2022 through virtual mode.

The minutes are also available at our website (www.ctuil.in>> ISTS Planning and Coordination >> Consultation Meeting for ISTS>> Southern Region).

Thanking you,

Yours faithfully,


16-8-22

(Anil Kr. Meena)

Sr. DGM

Distribution List:

1. Chief Engineer (PSP&A – I) Central Electricity Authority Sewa Bhawan, R.K.Puram, New Delhi – 110 066.	2. Chief Engineer (Transmission/GEC) Ministry of New and Renewable Energy, Block 14, CGO Complex, Lodhi Road, New Delhi – 110003
3. Director (Transmission) Transmission Corp. of Andhra Pradesh Ltd. (APTRANSCO) Vidyut Soudha, Gunadala, Eluru Rd, Vijayawada, Andhra Pradesh – 520004	4. Member Secretary Southern Regional Power Committee 29, Race Course Cross Road Bangalore – 560 009.
5. Director (Transmission) Transmission Corp. of Telangana Ltd. Vidyut Soudha Hyderabad – 500 082 Fax: 040-23321751	6. Director (Transmission) Karnataka State Power Transmission Corp. Ltd., Cauvery Bhawan Bangalore – 560 009 Fax: 080-22228367
7. Director (Trans. & System Op.), Kerala State Electricity Board Ltd. Vidyuthi Bhawanam, Pattom, P.B. No. 1028 Thiruvananthapuram – 695 004. Fax: 0471-2444738	8. Director (Transmission Projects) Tamil Nadu Transmission Corporation Ltd (TANTRANSCO) 6th Floor, Eastern Wing, 800 Anna Salai, Chennai – 600 002 Fax: 044-28516362
9. Superintending Engineer –I First Floor, Electricity Department Gingy Salai, Puducherry – 605 001.	10. Director (SO) POSOCO 9 th Floor, IFCI Towers, 61, Nehru Place, New Delhi – 110019
11. Executive Director Southern Regional Load Dispatch Centre POSOCO 29, Race Course Cross Road, Bangalore – 560009	12. Director (Power System) Solar Energy Corporation of India Ltd. D-3, 1 st Floor, A wing, Religare Building, District Centre, Saket, New Delhi – 110017



Connectivity/ LTA/ MTOA Applicants

<p>1. Shri Sandeep Sarwate ACE Nuclear Power Coporation of India Ltd. 11N 29, VS Bhawan Anu Shakti Nagar Mumbai-94, Maharashtra Email: ssarwate@npcil.co.in hrahim@npcil.co.in</p>	<p>2. Shri Kunal L Kaistha General Manager Green Infra Wind Energy Ltd. 5th Floor, Tower-C, building no. 8, DLF, Cyber park Gurugram-122002, Haryana Email: kunal.kaistha@sembcorp.com pawan.sharma@sembcorp.com</p>
<p>3. Shri Anish Pasrija GM-Business development Greenko AP01 IREP Pvt. Ltd. 15th floor, Hindustan Times House 18-20 KG Marg, New Delhi Email: anish.p@greenkogroup.com manojkumar.t@greenkogroup.com</p>	<p>4. Shri Pavan Kumar Gupta Authorized Signatory Ken Renewables India Pvt Ltd 14th Floor, Tower-B, Vatika Towers, DLF Golf Course Road, Sunciy Sector 54 Gurugram, Haryana Email: pavan.gupta@enel.com namit.jain@enel.com</p>
<p>5. Shri Anujesh Shahi Chief Marketing and Strategy TATA Power Trading Company Ltd. Shatabdi Bhawan, B-12 & 13, Sector-4, Noida, Uttar Pradesh Email: anujesh.shahi@tatapower.com ravidabbiru@tatapower.com</p>	



After deliberation, above mentioned proposal for grant of Stage-I Connectivity for 350 MW (application no. 0150200007) at Pavagada PS to M/s Ken Renewables India Pvt. Ltd was agreed. Transmission system for grant of Stage-I Connectivity is given below.

Transmission System for Stage-I Connectivity application no 0150200007:

- Generation Pooling Station of Ken Renewables India Pvt Ltd at Anantapur–Pavagada PS 220 kV S/c line.
3. M/s Greenko AP01 IREP Pvt Ltd. has sought enhancement in stage-II connectivity for 565 MW for its Hybrid based power generation project in Kurnool, Andhra Pradesh on the basis of clause 9.2.2. of RE Revised Procedure (land and finance route). Details of application and proposed transmission system for Connectivity are given below.

Table 4

Sl.	Stage-II Connectivity Enhancement App. No.	Applicant Name	Connectivity App. No. & Quantum • St-I & St-II (Granted)	Location	Date of Application	Enhancement in Stage-II Connectivity Sought (MW)	Nature of Applicant	Proposed Connectivity location	Connectivity Start date (sought by applicant)	Proposed Tr. System for Connectivity
1.	1200003962	Greenko AP01 IREP Pvt Ltd.	St-I 1200002537 (1465 MW) St-II 1200002672 (900 MW)	Kurnool, AP	07.06.2022	500+65	Generator (Hybrid)	Kurnool PS, AP	15.12.2023	Generation Pooling Station of M/s Greenko AP01 IREP Pvt. Ltd. - Kurnool New 400 kV 2 nd S/c strung on D/c towers.

It was informed that M/s Greenko has already been granted Stage-I and stage-II connectivity for 1465 MW (application no. 1200002537) and 900 MW (application no. 1200002672) respectively at Kurnool New S/s through dedicated transmission system i.e. generation Pooling Station of Greenko AP01 IREP Pvt Ltd at Kurnool – Kurnool New PS 400kV S/c line strung on D/c tower, for its proposed IREP generation project in Kurnool, Andhra Pradesh.

With grant of Enhancement in stage-II Connectivity for 565 MW, total Stage-II Connectivity granted to M/s Greenko AP01 IREP Pvt. Ltd. will be 1465 MW. As 1465 MW is huge quantum, therefore for reliability and security of the grid it was proposed to grant Enhancement in Stage-II Connectivity for 565 MW through 2nd 400kV S/c strung on D/c tower. Further, space for new 400kV line bay is available at Kurnool New S/s for grant of Enhancement in Stage-II connectivity for 565 MW through 2nd 400kV S/c strung on D/c tower.

Regarding implementation of 400 kV line bay at Kurnool New S/s for termination of above mentioned dedicated Transmission Connectivity line i.e. 2nd 400kV S/c strung on D/c tower, M/s Greenko AP01 IREP Pvt. Ltd. requested to consider implementation of same as part of STS. After deliberation same was agreed and M/s Greenko AP01 IREP Pvt. Ltd. was requested to submit the following details through formal letter.



- Breakup details of RE projects corresponding to enhancement in Stage-II Connectivity quantum (565 MW)
- Details of generator unit size of PSP
- Request for implementation of 400 kV line bay Kurnool New under ISTS.

After detailed deliberation, it was agreed to grant enhancement in Stage-II Connectivity for 565 MW (application no. 1200003962) to M/s Greenko AP01 IREP Pvt. Ltd. with start date of Connectivity as 15.12.2023 (Tentative). Transmission system for grant of Stage-II Connectivity is given below.

Transmission System for Stage-II Connectivity application no 1200003962:

- Generation Pooling Station of M/s Greenko AP01 IREP Pvt. Ltd. - Kurnool New 400 kV 2nd S/c line strung on D/c towers (1st S/c line strung on D/c tower is already being implemented by M/s Greenko for Stage-II Connectivity granted for application no. 1200002672) along with line bay at generation end - under the scope of applicant.
- One No. 400 kV line bay at Kurnool New S/s for termination of above mentioned dedicated Connectivity transmission line - under the scope ISTS.

Firm date of Start Date of Connectivity shall be informed only after allocation of work to respective implementing agency for implementation of 400 kV line bay under ISTS for above mentioned dedicated Connectivity line at Kurnool New.

Subsequently, vide letter dated 01.08.2022 M/s Greenko AP01 IREP Pvt. Ltd. requested to implement 400 kV line bay at Kurnool New for termination of above mentioned dedicated transmission system as part of ISTS. It was also submitted that enhancement in Stage-II Connectivity (565 MW) has been sought against implementation of additional 2x240 MW +120MW PSP turbine capacity.

It was also informed that Stage-II Connectivity grantee shall furnish progress of the monitoring parameters on quarterly basis online in the format given at FORMAT-RCON-II-M by the last day of each quarter. Failure to update progress of the monitoring parameters shall be considered as adverse progress and, in such case, CTU shall approach the Commission for appropriate directions. Further, the applicant shall also abide by the provisions mentioned at **Annexure-II**.

D. LTA related proposals in Southern Region

1. Proposals for grant of LTA to the applications received in May' 2022 with injection in Southern Region and Drawl in Southern Region

CTU informed that LTA application of M/s NPCIL for 2000 MW injection at Kudankulam 3&4, Tamil Nadu and drawl in SR (Target) was discussed in the 8th Consultation Meeting for Evolving Transmission Schemes in SR, held on 28.06.2022. Details of application are given



below:

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 KoleKalyan, off CST Road, Vidyanagari Marg, Kalina, Santacruz (East), Mumbai – 400 098
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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
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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:

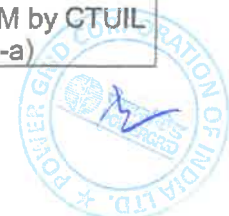
- a. Best efforts shall be carried out to implement the transmission scheme within 12 months from the issue of OM by CTUIL.

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.	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> 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)	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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
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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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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.





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)]

दक्षिण क्षेत्रीय भार प्रेषण केन्द्र / Southern Regional Load Dispatch Centre

कार्यालय : 29, रेस कोर्स क्रॉस रोड, बेंगलुरु-560009

Office : 29, Race Course Cross Road, Bengaluru - 560009

CIN : U40105DL2009GOI188682, Website : www.srldc.in, E-mail : srlcdc@grid-india.in, Tel.: 080-22250047/4525, Fax: 080 22268725

सर्टिफिकेट नंबर: एस.आर.एल.डी.सी/ ट्रांस/ सर्टिफिकेट /24-25 /07

Certificate Number: SRLDC / Trans/Certificate / 24-25 /07

दिनांक /Date: 08-10-2024

सेवा में / To ,

कार्यपालक निदेशक / Executive Director,

SRTS-I, Power Grid Corporation of India Ltd.

Door No. 6-6-8/32, 395e

Kavadiguda Main Road,

Secunderabad -500080.

ट्रांसमिशन एलिमेंट के ट्रायल ऑपरेशन के सफल समापन का प्रमाण पत्र
Certificate of successful completion of Trial Operation of Transmission Element

सन्दर्भ/Reference:

- (1) पीजीसिल एसआर-1 अनुरोध दिनांक 30/08/2024 ग्री-चार्जिंग फॉर्मेट/ PGCIL SR-1 request ID 2118 & 2128 dt. 30/08/2024 submitting pre-charging formats.
- (2) Format IV issuance dated 30/08/2024 प्रारूप IV जारी दिनांक 30/08/2024.
- (3) पीजीसिल एसआर-1 अनुरोध दिनांक 06/09/2024 पोस्ट-चार्जिंग प्रारूप प्रस्तुत करना / PGCIL SR-1 request dt. 06/09/2024 submitting post-charging formats.
- (4) FTC पोर्टल दिनांक 08/10/2024 में आपके द्वारा आवश्यक दस्तावेजों का नवीनतम प्रस्तुतीकरण / Your latest submission of required documents in the FTC portal dated 08/10/2024.

एतद्वारा यह प्रमाणित किया जाता है कि निम्नलिखित ट्रांसमिशन एलिमेंट ने सफलतापूर्वक ट्रायल ऑपरेशन पूरा कर लिया है

Handwritten signature





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)]

दक्षिण क्षेत्रीय भार प्रेषण केन्द्र / Southern Regional Load Despatch Centre

कार्यालय : 29, रेस कोर्स क्रॉस रोड, बेंगलुरु-560009

Office : 29, Race Course Cross Road, Bengaluru - 560009

CIN : U40105DL2009GOI188682, Website : www.srldc.in, E-mail : srldc@grid-india.in, Tel.: 080-22250047/4525, Fax: 080 22268725

सर्टिफिकेट नंबर: एस.आर.एल.डी.सी/ ट्रांस/ सर्टिफिकेट /24-25 /07

Certificate Number: SRLDC / Trans/Certificate / 24-25 /07

दिनांक /Date: 08-10-2024

It is hereby certified that the following transmission elements have successfully completed trial operation:

Sl. No	Name of the element/s	Date and time of 1 st time charging	Start of Trial operation	Completion of Trial operation	SRLDC/NLDC code	Trial Operation/ synchronisation time SRLDC/NLDC code
1	400kV 412 Bay (Greenko Line-2 Main Bay & line Bay) at 765/400kV Kurnool New SS	31-08-2024 01:56 Hrs	31-08-2024 11:35 Hrs	01-09-2024 11:35 Hrs	SR-3700	SR-3700
2	400kV 411 CT-B (Tie Bay of Greenko line-2 and Narnoor Line-1)	31-08-2024 11:35 Hrs	31-08-2024 11:35 Hrs	01-09-2024 11:35 Hrs	SR-3745	SR-3745

यह प्रमाणपत्र ट्रांसमिशन एलिमेंट के ट्रायल ऑपरेशन के सफल समापन को प्रमाणित करने के लिए सीईआरसी (टैरिफ के नियम और शर्त) विनियम, 2019 के विनियम 5(2) के अनुसार जारी किया जा रहा है। किसी अन्य उद्देश्य के लिए इस प्रमाण पत्र का उपयोग वर्जित है।

This certificate is being issued in accordance with Regulation 5(2) of CERC (Terms and Condition of Tariff) Regulations, 2019 to certify successful completion of trial operation of transmission element. Usage of this certificate for any other purpose is prohibited.

As per IEGC 26.(3).(a) "The transmission licensee shall submit a certificate signed by the authorized signatory not below the rank of CMD or CEO or MD of the company to the concerned RLDC and to the Member Secretary of the concerned RPC before declaration of COD that the transmission line, sub-station and communication system 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 these regulations and are capable of operation to their full capacity". Accordingly, PGCIL-SR-I need to submit the certificate before declaration of COD.

30/12





ग्रिड-इंडिया
GRID-INDIA

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
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दक्षिण क्षेत्रीय भार प्रेषण केन्द्र / Southern Regional Load Despatch Centre

कार्यालय : 29, रेस कोर्स क्रॉस रोड, बेंगलुरु-560009

Office : 29, Race Course Cross Road, Bengaluru - 560009

CIN : U40105DL2009GOI188682, Website : www.srlcd.in, E-mail : srlcd@grid-india.in, Tel.: 080-22250047/4525, Fax: 080 22268725

सर्टिफिकेट नंबर: एस.आर.एल.डी.सी/ ट्रांस/ सर्टिफिकेट /24-25 /07

Certificate Number: SRLDC / Trans/Certificate / 24-25 /07

दिनांक /Date: 08-10-2024

IEGC.26.3(क) "पारेषण अनुज्ञप्तिधारी सीओडी की घोषणा से पूर्व प्राधिकृत हस्ताक्षरकर्ता, जो कि संबंधित आरएलडीसी की कंपनी के सीएमडी या सीईओ या एमडी या संबंधित आरपीसी के सदस्य सचिव के ओहदे से कम नहीं होगा, द्वारा हस्ताक्षरित प्रमाणपत्र प्रस्तुत करेगा कि पारेषण लाइन, सब-स्टेशन और संचार प्रणाली, निर्माण के लिए सीईए तकनीकी मानकों, संयोजकता के लिए सीईए तकनीकी मानकों, संचार के लिए सीईए तकनीकी मानकों, केन्द्रीय विद्युत प्राधिकरण (सुरक्षा और विद्युत आपूर्ति से संबंधित उपाय विनियम, 2010 और इन विनियमों के अनुरूप है और उनकी पूर्ण क्षमता के प्रचालन में सक्षम है।" तदनुसार, पीजीसीआईएल-एसआर-आई को सीओडी की घोषणा से पहले प्रमाणपत्र जमा करना होगा।

हस्ताक्षर/ Signature:

नाम/ Name: एस पी कुमार/ S P Kumar

पदनाम/ Designation: कार्यपालक निदेशक

/ Executive Director

प्रतिलिपि / Copy to:

- 1) ई.डी, एस.आर.टी.एस-I, पावरग्रिड, सिकंदराबाद / ED, SRTS-I, POWERGRID, Secunderabad.
- 2) ई.डी, एस.आर.टी.एस-II, पावरग्रिड, बेंगलुरु / ED, SRTS-II, POWERGRID, Bengaluru.
- 3) सदस्य सचिव, एस.आर.पी.सी, बेंगलुरु/ Member Secretary, SRPC, Bengaluru.
- 4) सचिव, सी.ई.आर.सी, नई दिल्ली/ Secretary, CERC, New Delhi
- 5) ई.डी, एन.एल.डी.सी, नई दिल्ली/ ED, NLDC, New Delhi
- 6) मुख्य अभियंता, एस.एल.डी.सी, ए.पी.ट्रानस्को / टी.एस.ट्रानस्को / के.पी.टी.सी.एल / टी ए एन ट्रांसको / के.एस.ई.बी / Chief Engineer, SLDC, APTRANSCO/ TSTRANSCO/ KPTCL/ TANTRANSCO/KSEB
- 7) अधीक्षण अभियंता, एस.एल.डी.सी पुडुचेरी/गोवा
Superintending Engineer, SLDC Puducherry/ Goa



पंजीकृत कार्यालय : बी- 9, प्रथम तल, कुतब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110016

Registered Office : B-9, 1st Floor, Qutab Institutional Area, Katwaria Sarai, New Delhi- 110016

Website : www.grid-india.in



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

**Certificate as per CERC Tariff Regulations, 2024
And
CERC (Indian Electricity Grid Code), 2023**

It is to certify that "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) (Bay No.412)", conforms 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) 2023, and is capable of operation to its full capacity as per requirements for declaration of commercial operation, with effect from 11:35 Hrs on 01.09.2024.

(R.K. Tyagi)
Chairman & Managing Director



केन्द्रीय कार्यालय : "सौदामिनी" प्लॉट सं. 2, सेक्टर-29, गुरुग्राम-122001 (हरियाणा), दूरभाष : 0124-2822000, 2823000
Corporate Office : "Saudamini", Plot No. 2, Sector-29, Gurugram-122001, (Haryana) Tel. : 0124-2822000, 2823000

पंजीकृत कार्यालय : बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110016 011-26560112, 26564812, 26564892, सीआईएन : L40101DL1989GOI038121
Registered Office : B-9, Qutab Institution Area, Katwaria Sarai, New Delhi-110016. Tel.: 011-26560112, 26564812, 26564892, CIN : L40101DL1989GOI038121
Website : www.powergrid.in



भारत सरकार
GOVERNMENT OF INDIA
विद्युत मंत्रालय
MINISTRY OF POWER
केन्द्रीय विद्युत प्राधिकरण
CENTRAL ELECTRICITY AUTHORITY
क्षेत्रीय निरीक्षक संगठन
REGIONAL INSPECTORIAL ORGANISATION



ब्लॉक IV तीसरी मंजिल, Block IV Floor III, शास्त्री भवन Shastri Bhavan, चेन्नै-६ Chennai - 600 006

No. 37/114/08/2024-RIO(S)/605

Dated: 29.08.2024

To
Authorized Signatory,
M/s POWER GRID CORPORATION OF INDIA LIMITED,
765/400 KV PGCIL SS, near 23km stone, nandyal- Kurnool highway
Orvakal (Vill&Mandal), Kurnool Distt, AP-518010

Approval for Energisation

Subject: Approval for Energisation of Electrical installation of 1 NO. OF 400 kV AIS Line Bay (412) at Kurnool – 2 POWERGRID S/S (as per List enclosed) under Regulation 45 of the Central Electricity Authority (Measures relating to Safety and Electricity Supply) Regulations, 2023.

- Ref:**
1. Online Application No: A/2024/14199 dated 27.07.2024
 2. Our Inspection Report dated 26.08.2024
 3. Your Compliance report uploaded on 28.08.2024

Whereas Electrical installation (list is enclosed) at Kurnool – 2 POWERGRID S/S was inspected on 22.08.2024 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 is hereby accorded subject to following conditions by the applicant:

1. Applicant shall ensure to have all other requisite clearances/NOCs from other authorities, as applicable.
2. Adherence to relevant provisions of the Central Electricity Authority (Measures relating to Safety and Electricity Supply) Regulations, 2023 shall be ensured by the applicant for safety during operation and maintenance.

The periodic inspection of the above installation shall be carried out at an interval not exceeding 05 years from the date of this inspection under regulation 32 of CEA (Measures relating to safety and Electric Supply) Regulations, 2023. This periodicity is subject to change by Government order/notification.

Srikanth

(M. Srikanth Reddy)
Deputy Director &
Electrical Inspector to the Govt. of India

उप निदेशक / Deputy Director
क्षेत्रीय निरीक्षण संगठन
Regional Inspectorial Organisation
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
चेन्नै / Chennai-600 006.



Annexure-I

List of equipment related to commissioning of 01 No. 400Kv Bay Extension (412 Future Bay) at 765/400Kv POWERGRID Kurnool substation Andhra Pradesh.

Details of equipment for Charging clearance					
Sl. No	Equipment	Equipment name	Make	Rating	Equipment Serial number
1	Current Transformer	411 CT-B R-ph	Mehru Electrical & Mech. Eng. Pvt Ltd	420kV, 3000A, 63KA/1sec	OC11389/1/7/22
2	Current Transformer	411 CT-B Y-ph	Mehru Electrical & Mech. Eng. Pvt Ltd	420kV, 3000A, 63KA/1sec	OC11389/1/9/22
3	Current Transformer	411 CT-B B-ph	Mehru Electrical & Mech. Eng. Pvt Ltd	420kV, 3000A, 63KA/1sec	OC11389/1/10/22
4	Current Transformer	412 CT R-ph	Mehru Electrical & Mech. Eng. Pvt Ltd	420kV, 3000A, 63KA/1sec	OC11389/1/2/22
5	Current Transformer	412 CT Y-ph	Mehru Electrical & Mech. Eng. Pvt Ltd	420kV, 3000A, 63KA/1sec	OC11389/1/4/22
6	Current Transformer	412 CT B-ph	Mehru Electrical & Mech. Eng. Pvt Ltd	420kV, 3000A, 63KA/1sec	OC11389/1/6/22
7	Circuit Breaker	412 52 CB	SIEMENS LTD	420kV, 4000A, 63KA/1sec (Without PIR)	2022/33871
8	Disconnecting Switch with maintenance earth switch (Isolator)	412 89B	Switchgear & Structural Pvt. Ltd.	420kV, 3150A	1850-112-02
9	Disconnecting Switch with maintenance earth switch (Isolator)	412 89L	Switchgear & Structural Pvt. Ltd.	420kV, 3150A	1850-112-01
10	Capacitive Voltage Transformer	412L CVT R-ph	SIEMENS LTD	420kV, 4400pf	4CV3344
11	Capacitive Voltage Transformer	412L CVT Y-ph	SIEMENS LTD	420kV, 4400pf	4CV3345
12	Capacitive Voltage Transformer	412L CVT B-ph	SIEMENS LTD	420kV, 4400pf	4CV3346
13	Surge arrestor	412L LA R-ph	CG Power	336kV, 20kA, Class-4	40116235/2024
14	Surge arrestor	412L LA Y-ph	CG Power	336kV, 20kA, Class-4	40116236/2024
15	Surge arrestor	412L LA B-ph	CG Power	336kV, 20kA, Class-4	40116237/2024

Sankarthy

उप निदेशक / Deputy Director
क्षेत्रीय निरीक्षण संगठन
Regional Inspectional Organisation
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
चेन्नै / Chennai-600 006.

श्रीनिवास राव

एस.डि.डि.पी.श्रीनिवास/SDDP Srinivas Rao
सहायक प्रबंधक / Asst. Manager
पावरग्रिड / POWERGRID
कर्नूल / KURNOOL.



पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(एक निकास कर्मागल के कर्मागल)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

संदर्भ/Ref : CC-ENGG-TR202249-1001902-SC1114-SY-SLD

Date : 12/03/2024

From : Somiran Das
General Manager

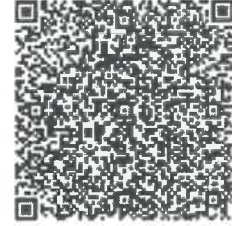
To : R. S. Infraprojects Pvt Limited
B-133, Sector-2 Noida 201301
201301

Cc : CGM (Projects), RHQ, SR-I

Subject : Extension of 400kV Kurnool New (Extn.) S/s under 400kV Substation Extension Package SS-106
LOA Ref : CC/NT/W-AIS/DOM/A06/23/00409/NOA-1/23-104277/01 Dated 18/07/2023

Please find enclosed following drawings/ documents for necessary action at your end.

Vendor Drg. No. : RSIPL/KRNL/DRG/KEY-SLD/01
Orgn. Drg. No. : TR202249-1001902-SC1114-SY-SLD
Revision No. : 01
Drg. Title : KURNOOL SINGLE LINE DIAGRAM
App. Category : CAT-I
Release Date : 12/03/2024



Scan to verify

Comments : Approved with comments

अनुमोदित श्रेणी/App. Category:

- I. फेब्रिकेशन/निर्माण/टाइप टेस्टिंग हेतु जारी।
Approved/released for fabrication/construction.
 - II. फेब्रिकेशन/निर्माण/टाइप टेस्टिंग हेतु अनुमोदित/जारी बशर्तें दिए गए टिप्पणियाँ एवं आशोधनों की सम्मिलित किया जाये। कृपया रिवाइज्ड दस्तावेज अनुमोदनार्थ प्रस्तुत करें।
Approved/released for fabrication/ construction subject to incorporation of comments and modification as noted. Revised drawing required for approval.
 - III. टिप्पणियाँ सम्मिलित करने के उपरांत दस्तावेज को अनुमोदनार्थ प्रस्तुत करें।
To be resubmitted for approval after incorporating the comments.
 - IV. सूचनार्थ एवं रिकार्ड हेतु।
For information and record.
- CATREL/ निर्माण हेतु जारी।
REL-CON Released for construction.

नोट/Note:

1. Approval/Comments conveyed herein neither relieve the contractor of his contractual obligations and his responsibilities, weights, quantities, design details assemble fits, performance particulars and conformity of the supplies with the Indian Statutory Laws as may be applicable, nor does it limits the purchaser's right under the contract.
2. The approval conveyed vide this letter does not cover the approval of make for sub-vendor items.

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 -110016. दूरभाष: 011-26560112, 26560121, 26564812, 26564892, सीआईएन: L40101DL1989GOI038121

Registered Office: B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016. Tel: 011-26560112, 26560121, 26564812, 26564892, CIN : L40101DL1989GOI038121
Website: www.powergridindia.com



**DETAILED PROJECT REPORT FOR 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 (Project ID:TR- 202249)**

1.0 CONTEXT / BACKGROUND

In order to facilitate evacuation of power from RE Sources in Kurnool district, implementation of 1 no. of 400kV line bay at Kurnool New S/s is proposed. The scheme was agreed in 9th CMETS-SR dated 29.07.2022 under ISTS. Further the scheme was approved in 9th CCTP meeting dated 28.11.2022. It was decided that implementation may be carried out through RTM mode to be assigned to POWERGRID.

The Schematic of the Transmission System is shown at **Exhibit-1.0**

2.0 SCOPE OF WORK

Substations:

(a) Extension at Kurnool New (POWERGRID) S/s:

Implementation of 400kV line bay for providing connectivity to M/s Greenko AP01 IREP Pvt. Ltd. (2nd 400kV line bay for M/s Greenko) (Bay No. 412)

400 kV

Line bay : 1 No.

3.0 PROJECT HIGHLIGHTS

a)	Project	:	Augmentation of Transformation capacity at existing Hiriyr and Kochi substations
b)	Location of the Project	:	Southern Region
c)	Project Cost	:	Rs. 5.50 Crores at December 2022 Price Level (including IDC of Rs. 0.15 Crores)
d)	Monthly Fixed Charges	:	Rs. 11.12 Lakhs on Base Cost Rs. 11.58 Lakhs on Projected Completed Cost
e)	Commissioning schedule	:	The project is scheduled to be commissioned by 27.02.2024 (within 15 months from the date of CTUIL OM dated: 28.11.2022). The transmission scheme shall be implemented by 15.12.2023 under best efforts as per the request of M/s Greenko AP01 IERP Pvt. Ltd.



ABSTRACT COST ESTIMATE

(BASE COST)

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)

(Cost updated to DEC 2022 price level)

Sl. No.	DESCRIPTION	AMOUNT (Rs. in Crs.)
A	Civil Works (Annexure - 1.1) i) Infrastructure for substations	0.20
B	Equipment Cost a) Sub-Stations (Annexure - 1.2)	4.51
C	Sub Total A TO B	4.71
D	Incidental Expenditure During construction (IEDC) @ 10.75% of C	0.51
E	Contingencies @ 3% of C	0.14
	Sub Total (A TO F)	5.35
F	Interest During Construction(IDC)	0.15
	GRAND TOTAL	5.50

Note: 1. Loan has been assumed to be available from Domestic sources.
2. Interest rate on Loan has been considered @ 9.70% for Domestic Loan subject to actuals.
3. Debt:Equity ratio has been considered as 70:30.
4. The project is scheduled to be commissioned by 27.02. 2024 (within 15 months from the date of CTUIL OM dated: 28.11.2022) . The transmission scheme shall be implemented by 15.12.2023 under best efforts as per the request of M/s Greenko AP01 IERP Pvt. Ltd. in its application/ grant for enhancement of Connectivity.
However, for the purpose of phasing of funds, IA has been assumed to be on 01.04.2023)





SAGAR & ASSOCIATES
CHARTERED ACCOUNTANTS

H.O.: H.No. 6-3-244/5, Sarada Devi Street,
Prem Nagar, Hyderabad - 500 004.
Phone: 040 - 2330 3371, 2339 55 88
Fax : 040 - 2339 0151
E-mail : sagarandassociates@yahoo.co.in
E-mail : sagarandassociates.ca@gmail.com
GST No: TS - 36AAJFS7295N1Z8
AP - 37AAJFS7295N2Z5

Certificate No.PGCIL/24-25/SR1/35

Dated: 17.10.2024

CERTIFICATE

This is to certify that we have verified the relevant records and other documents of Power Grid Corporation Of India Limited having its Registered Office at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016 and on the basis of our verification, we certify that Capital Cost for "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) (Bay No.412)" in Southern Region-I of Power Grid Corporation of India Limited, expected to be under commercial operation w.e.f. 02.09.2024 is detailed as under:

(₹ in Lakh)					
S/N	Particulars	Capital Cost	IEDC	IDC	Total
1	Expenditure upto 31.03.2024	168.78	23.74	-	192.52
2	Expenditure from 01.04.2024 to 01.09.2024 (Up to DOCO)	75.24	39.13	3.38	117.75
3	Estimated Expenditure from 02.09.2024 (from DOCO) to 31.03.2025	287.82			287.82
4	Estimated Expenditure from 01.04.2025 to 31.03.2026	59.09			59.09
	Total	590.93	62.87	3.38	657.18

We certify that we have verified the expenditure up to 31-03-2024 as referred above on the basis of the information drawn from the audited Statement of Accounts of Power Grid Corporation of India Ltd, SRTS-I, Secunderabad as on 31.03.2024.

The estimated expenditure is based on Management estimate.

Place: Secunderabad
Date: 17.10.2024

For Sagar & Associates
Chartered Accountants



(A. Manikanta Rayudu)

MRN: 243439

UDIN: 24243439BKFLGJ5185

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 - 600018.

B.O.: Flat No. 3C, Jeevan Residency, Behind Kalanjali, Renigunta Road, Tirupati - 517 501.



Certificate No.PGCIL/24-25/SR1/35

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 "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) (Bay No.412)" in Southern Region-I of Power Grid Corporation of India Limited, expected to be under commercial operation w.e.f. 02.09.2024 is detailed as under:

(₹ in Lakh)


S/N	Particulars	Freehold Land	Leasehold Land	Building and Civil Works	Tr. Line	Sub Station	OPGW	Communication System excl. OPGW	I. T Equipment incl. software, UNMS, URTDSM, EMS, Cyber Security System, REMC, WAMS, SCADA System	Batteries	Total
1	Expenditure upto 31.03.2024					192.52					192.52
2	Expenditure from 01.04.2024 to 01.09.2024 (Up to DOCO)					85.34		32.41			117.75
3	Estimated Expenditure from 02.09.2024 (from DOCO) to 31.03.2025					244.19		43.63			287.82
4	Estimated Expenditure from 01.04.2025 to 31.03.2026					59.09					59.09
	Total	-	-	-	-	581.14	-	76.04	-	-	657.18

S/N	Particulars	TL	Sub-station	OPGW
1	Total Cost (Plant and Machinery cost excluding IDC, IEDC, Land cost and cost of Civil works for the purpose of Initial Spares)		523.24	
2	Initial Spares included above		30.07	

We certify that we have verified the expenditure up to 31-03-2024 as referred above on the basis of the information drawn from the audited Statement of Accounts of Power Grid Corporation of India Ltd, SRTS-I, Secunderabad as on 31.03.2024.

The estimated expenditure is based on Management estimate.

Place: Secunderabad
Date: 17.10.2024

For Sagar & Associates
Chartered Accountants

(A Manikanta Rayudu)
Partner
Chartered Accountant
UDIN:24243439BKFLGJ5185



End. A

Liability Flow Statement

Name of Asset : Implementation of 1 No. 400kV line bay at Kurmool New S/s for providing Connectivity to M/s Greenko APO1 IREP Pvt Ltd (2nd 400kV line bay for M/s Greenko) (Bay No.412)

Vendor	Particulars	FY2024-25 (Estimated)			FY2025-26 (Estimated)			FY2026-27 (Estimated)			FY2027-28 (Estimated)		
		Due to Unexecuted Work	Due to Discharge of Liability	Total	Due to Unexecuted Work	Due to Discharge of Liability	Total	Due to Unexecuted Work	Due to Discharge of Liability	Total	Due to Unexecuted Work	Due to Discharge of Liability	Total
R. S. Infraprojects Pvt Limited	Sub-Station	32.74	190.45	223.19		59.09	59.09						
R. S. Infraprojects Pvt Limited	Communication System												
	excl. OPGW		43.63	43.63									
	Sub-Station	21.00		21.00									
	OPGW												
		53.74	234.08	287.82		59.09	59.09						



Discharge of Initial Spares

Name of Asset : 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) (Bay No.412)

Calculation of Spares

Assets	Particulars	Plant & Machinery cost (A)	Initial Spares Claimed (B)	Ceiling Limit (%) (C)	Initial Spares Worked out	Excess claim of initial spares if any
					D = $[(A-B)*C / (100-C)]$	[B-D], if B>D
Asset-1	S/S (Brown Field)	523.24	30.07	6.0	31.48	-

Spares Discharged details

Asset	Particulars	Total spares Claimed	Expenditure on initial Spares Upto COD and included in auditor certificate upto COD	Expenditure on initial spares in 2024-25 (Add Cap)	Expenditure on initial spares in 2025-26 (Add Cap)	Expenditure on initial spares in 2026-27 (Add Cap)
Asset-1	S/S (Brown Field)	30.07	10.24	19.83	0.00	0.00



COMPUTATION OF NOTIONAL IDC

Element: 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) (Bay No.412)

DOCO: 02-Sep-24

(Rs. In Lakhs)

Payroll Year	Qtr.	Opening Expense	Exp during the Qtr.	Cumulative exp upto the end of Qtr.	Average Expense	Opening Debt applied	Debt applied during the Qtr.	Repayment during the Qtr.	Cumulative Debt Applied upto the end of Qtr.	Avg. Debt applied	Normative Debt	Normative debt funded through Equity*	Int Rate (Qtr.)	Notional IDC
2022	02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.05	0.00
2023	03	0.00	129.24	129.24	64.62	0.00	0.00	0.00	0.00	0.00	45.23	45.23	2.04	0.92
2023	04	129.24	63.28	192.52	160.88	0.00	0.00	0.00	0.00	0.00	112.62	112.62	2.04	2.30
2024	01	192.52	26.21	218.73	205.63	0.00	217.02	0.00	217.02	108.51	143.94	35.43	2.04	0.72
2024	02	218.73	91.49	310.22	264.48	217.02	0.03	0.00	217.05	217.04	185.14	0.00	2.04	0.00
														3.94



Khushboo Jain {सुशाबू जैन}

From: Canara Bank LCB Nehru Place New Delhi <cb2624@canarabank.com>
Sent: 28 June 2024 13:13
To: Khushboo Jain {सुशाबू जैन}
Cc: MANOJ KUMAR GAUR
Subject: M/s PGCIL: Interest Calculation for the month of June'24

Dear Sir / Madam

Please refer to manual calculation for interest for term loan account of the Company for June 2024 as under:

ACCOUNT NUMBER	173000414153								
Date From	Date Till	No. of days	Principal Liability	ROI	Interest				
01/06/2024	02/06/2024	2	31,210,000,000.00	8.15%	13937616				
03/06/2024	04/06/2024	2	31,910,000,000.00	8.15%	14250219				
05/06/2024	05/06/2024	1	32,060,000,000.00	8.15%	7158603				
06/06/2024	06/06/2024	1	32,310,000,000.00	8.15%	7214425				
07/06/2024	10/06/2024	4	32,510,000,000.00	8.15%	29036329				
11/06/2024	12/06/2024	2	32,610,000,000.00	8.15%	14562822				
13/06/2024	13/06/2024	1	32,710,000,000.00	8.15%	7303740				
14/06/2024	17/06/2024	4	32,810,000,000.00	8.15%	29304274				
18/06/2024	19/06/2024	2	33,310,000,000.00	8.15%	14875425				
20/06/2024	23/06/2024	4	33,510,000,000.00	8.15%	29929479				
24/06/2024	24/06/2024	1	33,610,000,000.00	8.15%	7504699				
25/06/2024	25/06/2024	1	33,810,000,000.00	8.15%	7549356				

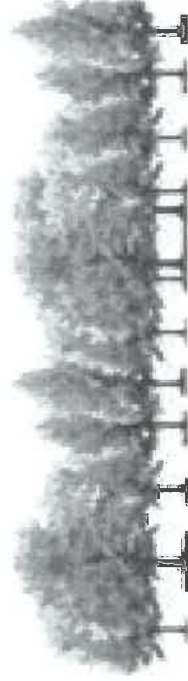
26/06/2024	26/06/2024	1	34,010,000,000.00	8.15%	7594014
27/06/2024	27/06/2024	1	34,160,000,000.00	8.15%	7627507
28/06/2024	30/06/2024	3	34,560,000,000.00	8.15%	23150466
TOTAL					220998973

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

धन्यवाद एवं सादर | Thanks & Regards,
Ruchika Mehta
Manager
केनरा बैंक / Canara Bank,
लार्ज कॉर्पोरेट शाखा/ Large Corporate Branch,
नेहरु प्लेस / Nehru Place,
नई दिल्ली / New Delhi - 110019
IFSC Code: CNRB0002624



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"Azadi Ka Amrit Mahotsav"

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

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

Tue 7/30/2024 11:38 AM

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

Cc:MANOJ KUMAR GAUR <manojkumargaur@canarabank.com>

Dear Sir / Madam

Kindly ignore the trailing mail.

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

ACCOUNT NUMBER	173000414153				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-07-2024	01-07-2024	1	34,56,00,00,000.00	8.15%	7716822
02-07-2024	02-07-2024	1	34,81,00,00,000.00	8.15%	7772644
03-07-2024	04-07-2024	2	34,91,00,00,000.00	8.15%	15589945
05-07-2024	07-07-2024	3	35,36,00,00,000.00	8.15%	23686356
08-07-2024	09-07-2024	2	35,76,00,00,000.00	8.15%	15969534
10-07-2024	11-07-2024	2	35,91,00,00,000.00	8.15%	16036521
12-07-2024	18-07-2024	7	36,06,00,00,000.00	8.15%	56362274
19-07-2024	21-07-2024	3	36,54,00,00,000.00	8.15%	24476795
22-07-2024	23-07-2024	2	36,69,00,00,000.00	8.15%	16384849
24-07-2024	25-07-2024	2	36,95,00,00,000.00	8.15%	16500959
26-07-2024	28-07-2024	3	37,17,00,00,000.00	8.15%	24898808
29-07-2024	31-07-2024	3	37,47,00,00,000.00	8.15%	25099767
				Total	250495274

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

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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, July 30, 2024 11:09 AM
To: khushboojain <khushboojain@powergrid.in>
Cc: MANOJ KUMAR GAUR <manojkumargaur@canarabank.com>
Subject: Re: M/s PGCIL: Interest Calculation for the month of July '24

Dear Sir / Madam

Please refer to manual calculation for interest for term loan account of the Company for July 2024

ACCOUNT NUMBER	173000414153				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-07-2024	01-07-2024	1	34,55,97,02,917.55	8.15%	7716756
02-07-2024	02-07-2024	1	34,80,97,02,917.55	8.15%	7772578
03-07-2024	04-07-2024	2	34,90,97,02,917.55	8.15%	15589813
05-07-2024	07-07-2024	3	35,35,97,02,917.55	8.15%	23686157
08-07-2024	09-07-2024	2	35,75,97,02,917.55	8.15%	15969402
10-07-2024	11-07-2024	2	35,90,97,02,917.55	8.15%	16036388
12-07-2024	18-07-2024	7	36,05,97,02,917.55	8.15%	56361810
19-07-2024	21-07-2024	3	36,53,97,02,917.55	8.15%	24476596
22-07-2024	23-07-2024	2	36,68,97,02,917.55	8.15%	16384717
24-07-2024	25-07-2024	2	36,94,97,02,917.55	8.15%	16500826
26-07-2024	28-07-2024	3	37,16,97,02,917.55	8.15%	24898609
29-07-2024	31-07-2024	3	37,46,97,02,917.55	8.15%	25099568
Total					250493218

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



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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, July 29, 2024 7:22 PM
To: khushboojain <khushboojain@powergrid.in>
Cc: MANOJ KUMAR GAUR <manojkumargaur@canarabank.com>
Subject: M/s PGCIL: Interest Calculation for the month of July '24

Dear Sir / Madam

Please refer to manual calculation for interest for term loan account of the Company for July 2024 till 29.07.2024 as under:

ACCOUNT NUMBER	173000414153				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-07-2024	01-07-2024	1	34,55,97,02,917.55	8.15%	7716756
02-07-2024	02-07-2024	1	34,80,97,02,917.55	8.15%	7772578
03-07-2024	04-07-2024	2	34,90,97,02,917.55	8.15%	15589813
05-07-2024	07-07-2024	3	35,35,97,02,917.55	8.15%	23686157
08-07-2024	09-07-2024	2	35,75,97,02,917.55	8.15%	15969402
10-07-2024	11-07-2024	2	35,90,97,02,917.55	8.15%	16036388
12-07-2024	18-07-2024	7	36,05,97,02,917.55	8.15%	56361810
19-07-2024	21-07-2024	3	36,53,97,02,917.55	8.15%	24476596
22-07-2024	23-07-2024	2	36,68,97,02,917.55	8.15%	16384717
24-07-2024	25-07-2024	2	36,94,97,02,917.55	8.15%	16500826
26-07-2024	28-07-2024	3	37,16,97,02,917.55	8.15%	24898609
29-07-2024	29-07-2024	1	37,46,97,02,917.55	8.15%	8366523

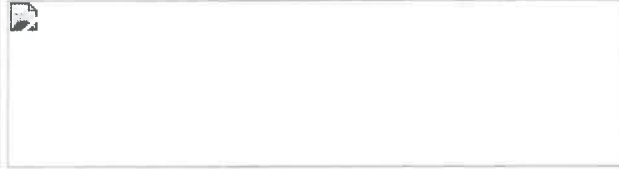
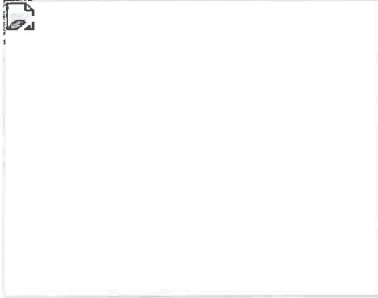
Kindly verify the same and inform us immediately incase of any discrepancy.

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





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Shreyans Jain (श्रियांस जैन)

From: Khushboo Jain (खुशबू जैन)
Sent: 29 August 2024 10:15
To: Shreyans Jain (श्रियांस जैन)
Subject: Fw: M/s PGCL: Interest Calculation for the month of August '24

From: Canara Bank LCB Nehru Place New Delhi <cb2624@canarabank.com>
Sent: Thursday, August 29, 2024 10:13 AM

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

Cc: MANOJ KUMAR GAUR <manojkumargaur@canarabank.com>; Amit Kumar Jain (अमित कुमार जैन) <amitk.jain@powergrid.in>; Hitesh Saini (हितेश सैनी) <hitesh.saini@powergrid.in>

Subject: M/s PGCL: Interest Calculation for the month of August '24

Dear Sir / Madam

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

ACCOUNT NUMBER	173000414153						
Date From	Date Till	No. of days	Principal Liability	ROI	Interest		
01-08-2024	01-08-2024	1	37,47,00,00,000.00	8.15%	8366589		
02-08-2024	04-08-2024	3	38,17,00,00,000.00	8.15%	25568671		
05-08-2024	05-08-2024	1	38,37,00,00,000.00	8.15%	8567548		
06-08-2024	06-08-2024	1	38,47,00,00,000.00	8.15%	8589877		
07-08-2024	07-08-2024	1	38,54,00,00,000.00	8.15%	8605507		
08-08-2024	08-08-2024	1	38,62,00,00,000.00	8.15%	8623370		
09-08-2024	12-08-2024	4	38,87,00,00,000.00	8.15%	34716767		
13-08-2024	13-08-2024	1	38,97,00,00,000.00	8.15%	8701521		
14-08-2024	15-08-2024	2	39,10,00,00,000.00	8.15%	17461096		
16-08-2024	19-08-2024	4	39,45,00,00,000.00	8.15%	35234795		

20-08-2024	20-08-2024	1	39,65,00,00,000.00	8.15%	8853356
21-08-2024	21-08-2024	1	39,95,00,00,000.00	8.15%	8920342
22-08-2024	22-08-2024	1	40,15,00,00,000.00	8.15%	8965000
23-08-2024	26-08-2024	4	40,35,00,00,000.00	8.15%	36038630
27-08-2024	27-08-2024	1	40,50,00,00,000.00	8.15%	9043151
28-08-2024	31-08-2024	4	41,00,00,00,000.00	8.15%	36619178
Total					272875397

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,

नेहरु प्लेस / Nehru Place,

नई दिल्ली / New Delhi - 110019

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Shreyans Jain {श्रीयांस 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 {श्रीयांस 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 in case of any discrepancy.

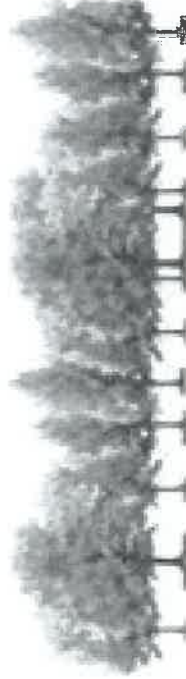
धन्यवाद एवं सादर | Thanks & Regards,
Ankita Chainde

Officer

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



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Summary of Tariff

Form No. - 1

Name of the Transmission Licensee:	Power Grid Corporation of India Limited		
Project	Implementation of 1 No. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP		
Element Description	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) (Bay No.412)		
Region	Southern Region	DOC Date	Sep 2, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Year Days	365.00	365.00	365.00	366.00	365.00
Tariff Days	211.00	365.00	365.00	366.00	365.00
Depreciation-Form No. 10A	14.58	34.90	36.14	36.14	36.14
Interest on Loan-Form No. 9E	14.76	33.42	32.21	29.27	26.32
Return on Equity-Form No. 8	14.44	34.44	36.05	36.05	36.05
Int. on Working capital-Form No.11	1.39	2.87	2.96	2.99	3.03
Op. and maintenance-Form No.2	17.07	31.08	32.71	34.43	36.23
Total AFC	62.24	136.71	140.07	138.88	137.77


(Petitioner)


Summary of Asset Level Cost

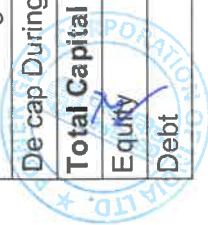
Form No. - 1A

Name of the Transmission Licensee	Power Grid Corporation of India Limited	
Project	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 Gre	
Element Description	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) (Bay No.412)	
Region	Southern Region	DOC Date Sep 2, 2024

(Amount in Rs. Lakh)

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

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	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	530.92	53.74	0.00	0.00	0.00	0.00	584.66
Comm. Sys. excluding Fiber Optic	0.00	0.00	76.46	0.00	0.00	0.00	0.00	0.00	76.46
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Capital Cost as per Books	0.00	0.00	607.38	53.74	0.00	0.00	0.00	0.00	661.12
Less: Liability	0.00	0.00	293.22	0.00	0.00	0.00	0.00	0.00	0.00
Add: discharge of liability	0.00	0.00	0.00	234.13	59.09	0.00	0.00	0.00	0.00
De cap During Year As per Books	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Capital incurred	0.00	0.00	314.16	287.87	59.09	0.00	0.00	0.00	661.12
Equity	165.00	195.00	94.25	86.36	17.73	0.00	0.00	0.00	198.34
Debt	385.00	455.00	219.91	201.51	41.36	0.00	0.00	0.00	462.78



Name of the Transmission Licensee		Power Grid Corporation of India Limited	
Project	Implementation of 1 No. 400kV line bay at Kurmool New S/s for providing Connectivity to M/s Greenko AP01 IREP Pvt Ltd (2nd 400kV line bay for M/s Gre		
Element Description	Implementation of 1 No. 400kV line bay at Kurmool New S/s for providing Connectivity to M/s Greenko AP01 IREP Pvt Ltd (2nd 400kV line bay for M/s Greenko) (Bay No.412)		
Region	Southern Region	DOCO Date	Sep 2, 2024

1. Transmission Lines

(Amount in Rs. Lakh)

Handwritten mark

Summary:

Large diagonal handwritten mark



2. Sub Station

Name of Sub-station	Type of Substation	Voltage Level KV	No. of Transfomers/ 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		
Kurnool:2ND 400 KV LINE BAY AT KURNOOL		400 KV		1.000								Sep 2, 2024	Y

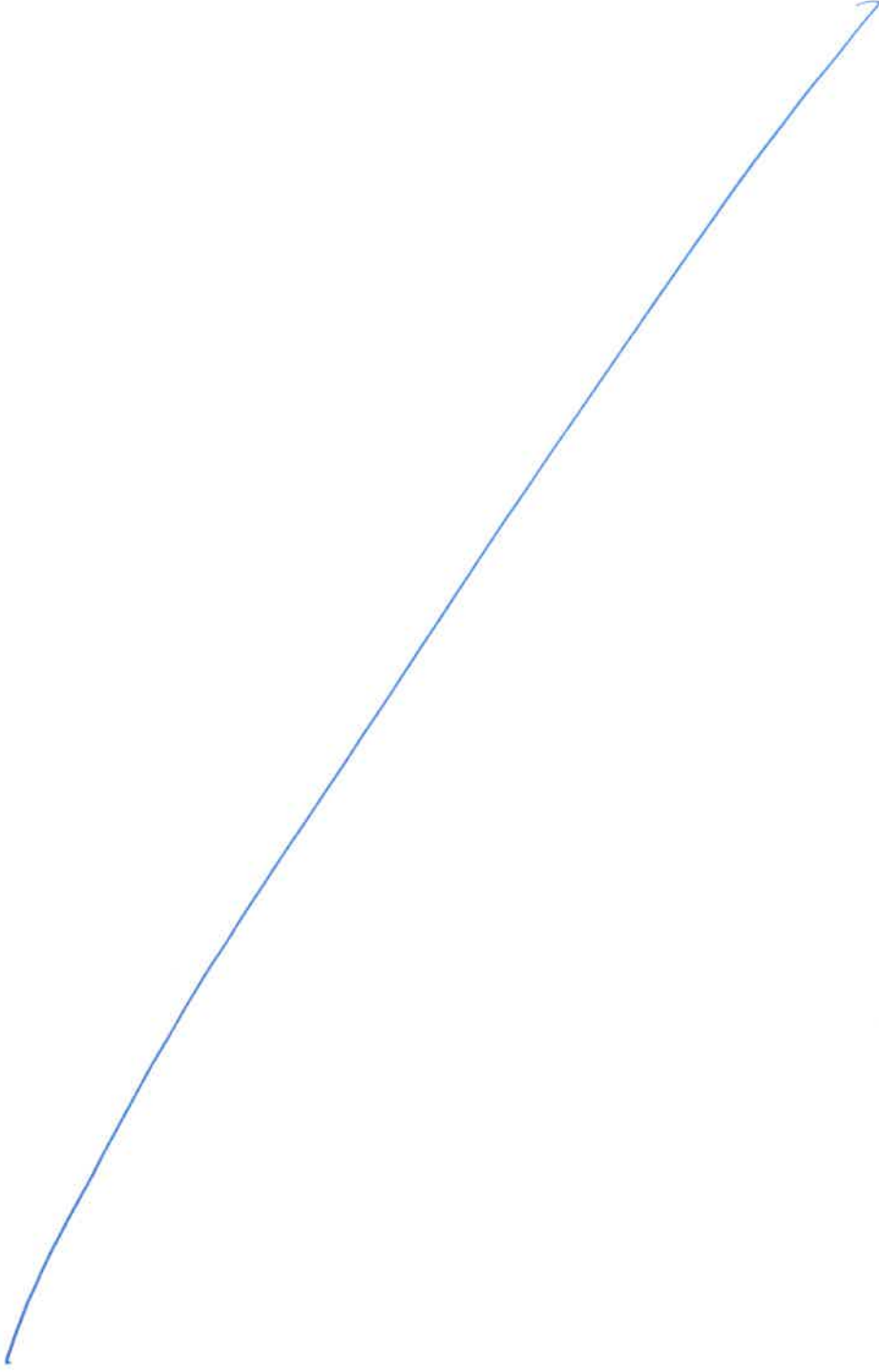
Summary:

O&M Expenses For Substations Covered in the instant petition	2024-25	2025-26	2026-27	2027-28	2028-29
400KV SUB-STATION					
Normative Rate of O&M as per Regulation	29.53	31.08	32.71	34.43	36.23
No. of Units	1.00	1.00	1.00	1.00	1.00
O&M Claimed	17.07	31.08	32.71	34.43	36.23



3. Communication System

Summary:



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	17.07	31.08	32.71	34.43	36.23
Communication System	0.00	0.00	0.00	0.00	0.00
Total Normative O&M	17.07	31.08	32.71	34.43	36.23
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	17.07	31.08	32.71	34.43	36.23


(Petitioner)



Normative parameters considered for tariff computations

Form No. - 3

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Implementation of 1 No. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP		
Element Description	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) (Bay No.412)		
Region	Southern Region	DOC Date	Sep 2, 2024

(Amount in Rs. Lakh)

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

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

(Petitioner)



Abstract of existing transmission assets/elements under Project, Determination of Effective COD and weighted Average life for single AFC for the project as whole Form No. - 4

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Implementation of 1 No. 400kV line bay at Kurmool New S/s for providing Connectivity to M/s Greenko AP01 IREP Pvt Ltd (2nd 400kV line bay for M/s Gre		
Element Description	Implementation of 1 No. 400kV line bay at Kurmool New S/s for providing Connectivity to M/s Greenko AP01 IREP Pvt Ltd (2nd 400kV line bay for M/s Greenko) (Bay No.412)		
Region	Southern Region	DOCO Date	Sep 2, 2024

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)	(Amount in Rs. Lakh)	
					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)
					0	23

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)	0

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

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(Petitioner)

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Statement of Capital cost

Form No. - 4A

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	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 Gre		
Element Description	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) (Bay No.412)		
Region	Southern Region	DOCOC Date	Sep 2, 2024

A) Capital Cost

(Amount in Rs. Lakh)

Particular	Accrual Basis	Un-discharged Liabilities	Cash Basis
As on relevant date :2024-25			
a) Opening Gross Block Amount as per books	607.38	293.22	314.16
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	3.38	0.05	3.33
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	62.87	0.00	62.87
As on relevant date :2025-26			
a) Addition in Gross Block Amount during the period	53.74	0.00	53.74
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	661.12	59.09	602.03
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	3.38	0.00	3.38
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	62.87	0.00	62.87
As on relevant date :2025-26			
a) Opening Gross Block Amount as per books	661.12	59.09	602.03
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	3.38	0.00	3.38

c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	62.87	0.00	62.87
a) Addition in Gross Block Amount during the period			
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	661.12	0.00	661.12
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	3.38	0.00	3.38
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	62.87	0.00	62.87

As on relevant date :2026-27

a) Opening Gross Block Amount as per books	661.12	0.00	661.12
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	3.38	0.00	3.38
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	62.87	0.00	62.87

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	661.12	0.00	661.12
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	3.38	0.00	3.38
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	62.87	0.00	62.87

As on relevant date :2027-28

a) Opening Gross Block Amount as per books	661.12	0.00	661.12
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	3.38	0.00	3.38
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	62.87	0.00	62.87

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	661.12	0.00	661.12
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	3.38	0.00	3.38
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	62.87	0.00	62.87

As on relevant date :2028-29

a) Opening Gross Block Amount as per books	661.12	0.00	661.12
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	3.38	0.00	3.38
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	62.87	0.00	62.87

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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	661.12	0.00	661.12
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	3.38	0.00	3.38
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	62.87	0.00	62.87

B) Flow of liability for the Asset

(Amount in Rs. Lakh)

Particular	2024-2025	2025-2026				
Opening balance of liability	293.22	59.09	0.00	0.00	0.00	0.00
Add: Liability from ACE	0.00	0.00	0.00	0.00	0.00	0.00

Discharge of liability by payment and claimed as ACE	234.13	59.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reversal/cancelation (to be entered)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Closing Balance of Admitted liability	59.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00


(Petitioner)



Statement of Capital cost
(To be given for relevant dates and year wise)

PART-III

FORM- 4A

Name of the Transmission Asset: Implementation of I 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) (Bay No.412)

Proposed DOCO: 02.09.2024

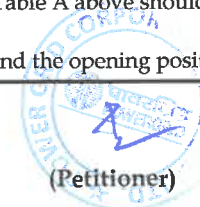
(Amount in Rs Lakh)

A) Capital Cost		As on relevant date. ¹		
		Accrual Basis	Un-discharged Liabilities	Cash Basis
1	a) Opening Gross Block Amount as per books	603.44	293.17	310.27
	b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	(i) (ii) ... (iii) ...		3.38
	c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above			62.87
2	a) Addition in Gross Block Amount during the period			53.74
	b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above	(i) (ii) ... (iii)...		0
	c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above			0
3	a) Closing Gross Block Amount as per books			657.18
	b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	(i) (ii) ... (iii)... (iv) ...		3.38
	c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above			62.87

(Amount in Rs. Lakh)

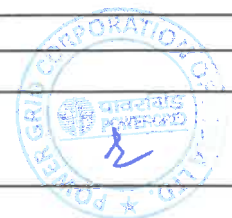
B) Flow of liability for the Asset	Particulars	As on COD/01-04-2024					
		2024-25	2025-26	2026-27	2027-28	2028-29	
1.	Opening balance of liability ²	-	293.17	59.09	-	-	-
2.	Add: Liability from ACE ³	293.17	53.74	-	-	-	-
3.	Discharge of liability by payment and claimed as ACE ⁴		287.82	59.09	-	-	-
4.	Reversal/cancelation (to be entered) ⁵	-	-	-	-	-	-
5.	Closing Balance of Admitted liability ⁶	293.17	59.09	-	-	-	-

- Relevant date/s means date of COD of transmission element/s or Communication system and financial year start date and end date
- In case of new asset it should flow from Form 5 and in case of existing asset it should flow from admitted liability as on 31.03..2019.
- It refers to the liability included in the addition into gross block as on last day of the concerned year as mentioned in Form 7 of the concerned year.
- It refers the actual payment of capital liability which was admitted by Commission as on 31.03.2019 and/or the liability included in the COD cost and /or the liability included in the ACE of previous years. (eg. If any payment is made during 2021-22 towards the un-discharged liability)
- It refers the liability included in the Gross Block but reversed or cancelled due to any reason. (eg. The liability no more payable due to non-fulfilment of any condition of the contractor, book adjustment etc.)
- It refers the closing balance of capital liability (i.e. as on 31st march of the concerned year and it will be the opening balance as on 01st April of the next year.
- The balances mentioned in flow of liability in Table B above and the liability as on relevant date as mentioned in Table A above should match.
- If any of the project asset does not required to be consolidated due to any reason, the reason has to be explained and the opening position of



(Petitioner)

Abstract of Capital Cost Estimates and Schedule of Commissioning for New Project/Element		PART- III FORM- 4C
Name of the Transmission Asset: 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) (Bay No.412)		
Proposed DOCO: 02.09.2024		
(Amount in Rs. Lakh)		
Board of Director/ Agency approving the Capital cost estimates:		
Date of approval of the Capital cost estimates:		
	Present Day Cost	Completed Cost
Price level of approved estimates	As of <u>III</u> Qtr. of the FY <u>2022-23</u>	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)	470.71	590.93
Capital cost excluding IDC, FC, FERV & Hedging Cost	470.71	590.93
IDC, IEDC, FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US \$ or the relevant Currency)		
Domestic Component (Rs Lakh)	79.72	66.25
Total IDC, FC, FERV & Hedging Cost (Rs Lakh)	79.72	66.25
Rate of taxes & duties considered		
Capital cost Including IDC, IEDC, FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US \$ or the relevant Currency)		
Domestic Component (Rs Lakh)		657.18
Capital cost Including IDC, IEDC& FC (Rs Lakh)		657.18
Schedule of Commissioning		
COD of transmission system 1 / transmission element 1/Communication System 1		02-09-2024



COD of transmission system 1/ transmission element 2/ Communication System 2	

COD of last transmission system /transmission element / Communication System	02-09-2024
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).	

(Petitioner)



Total Capital Cost Claimed for tariff	244.02	62.87	3.38						
% of IDC / IEDC on the base of (Plant & Machinery cost including initial spare as per Books of Account)									
Means of Finance									
Equity									
Debt									

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.

(Petitioner)



Break-up of Construction/Supply/Service Packages

Name of the Transmission Asset: 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) (Bay No.412)

(Amount in Rs. Lakh)

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/ Depository/ Work, etc.	No. of bids received	Date of Award	Date of Start of work	Date of Completion of Work	Value of Award in (Rs. Lakh).	Firm or With Escalation in prices	Actual expenditure till the completion or up to COD whichever is earlier (Rs. Lakh)	Taxes & Duties and IFDC (Rs. Lakh)	IDC, FC, FERV & Hedging cost (Rs. Lakh)	Sub- Total (Rs. Lakh)
1	500202072/ SUBSTATION/ DOM/ AOO/ CC CS-1/ NOA-1/ NR1-150035 dtd 24.08.22	Supply & Service Contract for extension of Kurnool 765/400 KV Substation			18-07-2023	18-07-2023	31-08-2024	490.55	Firm	510.55	143.25	3.38	657.18

Note:

1 The scope of work in any package should be indicated in conformity of cost break-up in Form-5 to the extent possible.

2 If there is any package, which need to be shown in Indian Rupee and foreign currency(ies), the same should be shown separately along with the currency, the exchange rate and the date e.g. Rs. 800 Lakh. + US\$ 5m=Rs. 4300 Lakh. at US\$=Rs.70 as on say 01.04.2019.

DCB: Domestic Competitive Bidding
GCB: Global Competitive Bidding


(Petitioner)


Details of all the assets covered in the project

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	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 Gre		
Element Description	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) (Bay No.412)		
Region	Southern Region	DOCO Date	Sep 2, 2024
		SCOD	

(Amount in Rs. Lakh)



(Petitioner)


Financial Package upto COD

Form No. - 6

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Implementation of 1 No. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP		
Element Description	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) (Bay No.412)		
Region	Southern Region	DOC Date	Sep 2, 2024

(Amount in Rs. Lakh)

Particulars	Financial Package as Approved		Financial Package as on COD 01/04/2024		As Admitted on COD 01/04/2024	
	Currency	Amount	Currency	Amount	Currency	Amount
Loans		0.00		0.00		0.00
Loan-Domestic		0.00		0.00		0.00
Loan-Foreign		0.00		0.00		0.00
Total Loans	INR	385.00	INR	219.91		0.00
Equity		0.00		0.00		0.00
Foreign		0.00		0.00		0.00
Domestic	INR	165.00	INR	94.25		0.00
Total Equity	INR	165.00	INR	94.25		0.00
Debt Equity Ratio					70:30	
Total Cost	INR	550.00	INR	314.16		0.00

Particulars	Debt	Equity	Total
Addcap for 2024 - 2025			287.87
Addcap for 2025 - 2026			59.09
Addcap for 2026 - 2027			0.00
Addcap for 2027 - 2028			0.00



Addcap for 2028 - 2029			0.00	
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Particulars	Actual	Normative		
Addcap for 2024 - 2025				
Equity		86.36		
Debt		201.51		
Total		287.87		
Addcap for 2025 - 2026				
Equity		17.73		
Debt		41.36		
Total		59.09		
Addcap for 2026 - 2027				
Equity		0.00		
Debt		0.00		
Total		0.00		
Addcap for 2027 - 2028				
Equity		0.00		
Debt		0.00		
Total		0.00		
Addcap for 2028 - 2029				
Equity		0.00		
Debt		0.00		
Total		0.00		
Total Capital cost with Addcap		661.12		



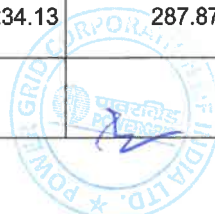
Statement of Additional Capitalisation after COD

Form No. - 7

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Implementation of 1 No. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP		
Element Description	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) (Bay No.412)		
Region	Southern Region	DOC Date	Sep 2, 2024

(Amount in Rs. Lakh)

Particulars	Addition into Gross Block as per books of Account during the year (2)	De-Cap into Gross Block as per books of Account during the year	Less: Deductions dr. the year towards				Add: Discharge of earlier admitted liability	ACE on cash basis for tariff purpose	Admitted Cost in final tariff (Rs Lakh)
			Grants Received (If any) (3)	Asset pertaining to other businesses (If any) (4)	Other Deduction (if any) (5)	Less: Un-discharge d 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	53.74	0.00	0.00	0.00	0.00	0.00	190.49	244.23	0.00
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	0.00	0.00	43.64	43.64	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	53.74	0.00	0.00	0.00	0.00	0.00	234.13	287.87	0.00
ACE for the year :2025-26 (Actual/Projected)									



Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	59.09	59.09	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	59.09	59.09	0.00
ACE for the year :2026-27 (Actual/Projected)									
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/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 :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	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 Gre	
Element Description	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) (Bay No.412)	
Region	Southern Region	DOCO Date Sep 2, 2024

(Amount in Rs. Lakh)

	Actual/Projected						Admitted					
	2024-25	2025-26	2026-27	2027-28	2028-29		2024-25	2025-26	2026-27	2027-28	2028-29	
Financial Year (Starting of COD)												
Amount capitalized in Work/ Equipment												
Financing Details												
Total Loan	201.51	41.36	0.00	0.00	0.00							
Equity	86.36	17.73	0.00	0.00	0.00							
Total	287.87	59.09	0.00	0.00	0.00							



(Petitioner)

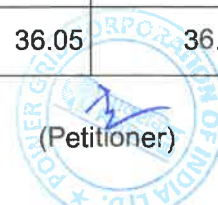
Calculation of ROE

Form No. - 8

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Implementation of 1 No. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP		
Element Description	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) (Bay No.412)		
Region	Southern Region	DOC Date	Sep 2, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No. of Days in the year	365.00	365.00	365.00	366.00	365.00
No. of days for which tariff claimed	211.00	365.00	365.00	366.00	365.00
Opening Normative Equity	94.25	180.61	198.34	198.34	198.34
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)	94.25	180.61	198.34	198.34	198.34
Add: Increase in Equity due to addition during the year / period	16.12	0.00	0.00	0.00	0.00
Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
Add: Increase due to discharge during the year / period	70.24	17.73	0.00	0.00	0.00
Closing Normative Equity	180.61	198.34	198.34	198.34	198.34
Average Normative Equity	137.43	189.48	198.34	198.34	198.34
Rate of return on Equity (%)	18.176	18.176	18.176	18.176	18.176
Reduced rate of 1% decided by commission under Regulation 30(2) (if any)	0.00	0.00	0.00	0.00	0.00
Effective rate of ROE	15.00	15.00	15.00	15.00	15.00
MAT/Corporate Rate	17.472	17.472	17.472	17.472	17.472
Grossed up rate of ROE	18.176	18.176	18.176	18.176	18.176
Return on Equity	24.98	34.44	36.05	36.05	36.05
Pro rata return on Equity	14.44	34.44	36.05	36.05	36.05



Calculation of WAR of interest on actual loan

Form No. - 9C

Name of the Transmission Licensee	Power Grid Corporation of India Limited				
Project	Implementation of 1 No. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP				
Element Description	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) (Bay No.412)				
Region	Southern Region	DOCOC Date	Sep 2, 2024		

(Amount in Rs. Lakh)

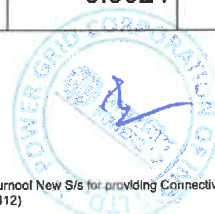
Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Canara-01 -DOCOC LOAN					
Gross Loan- Opening	172.86	172.86	172.86	172.86	172.86
Cumulative repayments of Loans upto previous year	17.29	25.93	43.22	60.50	77.79
Net loan-Opening	155.57	146.93	129.64	112.36	95.07
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	8.64	17.29	17.29	17.29	17.29
Net Loan-Closing	146.93	129.64	112.35	95.07	77.78
Average Net Loan	151.25	138.29	121.00	103.72	86.43
Rate of Interest on Loan on Annual Basis	8.15	8.15	8.15	8.15	8.15
Interest on loan	12.3269	11.2706	9.8615	8.4532	7.044

Canara-01 -DOCOC LOAN					
Gross Loan- Opening	44.16	44.16	44.16	44.16	44.16
Cumulative repayments of Loans upto previous year	4.42	6.62	11.04	15.46	19.87
Net loan-Opening	39.74	37.54	33.12	28.70	24.29
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	2.21	4.42	4.42	4.42	4.42
Net Loan-Closing	37.53	33.12	28.70	24.28	19.87

Average Net Loan	38.64	35.33	30.91	26.49	22.08
Rate of Interest on Loan on Annual Basis	8.15	8.15	8.15	8.15	8.15
Interest on loan	3.1492	2.8794	2.5192	2.1589	1.7995

Canara-01 -DOCO LOAN					
Gross Loan- Opening	0.03	0.03	0.03	0.03	0.03
Cumulative repayments of Loans upto previous year	0.00	0.00	0.01	0.01	0.01
Net loan-Opening	0.03	0.03	0.02	0.02	0.02
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.00	0.00	0.00
Net Loan-Closing	0.03	0.03	0.02	0.02	0.02
Average Net Loan	0.03	0.03	0.02	0.02	0.02
Rate of Interest on Loan on Annual Basis	8.15	8.15	8.15	8.15	8.15
Interest on loan	0.0024	0.0024	0.0016	0.0016	0.0016

Canara-02 -ADD CAP LOAN					
Gross Loan- Opening	0.00	0.03	0.03	0.03	0.03
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
Net loan-Opening	0.00	0.03	0.03	0.03	0.03
Add: Drawl(s) during the year	0.03	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.00	0.00	0.00
Net Loan-Closing	0.03	0.03	0.03	0.03	0.03
Average Net Loan	0.02	0.03	0.03	0.03	0.03
Rate of Interest on Loan on Annual Basis	8.15	8.15	8.15	8.15	8.15
Interest on loan	0.0016	0.0024	0.0024	0.0024	0.0024



Canara-02 -DOCO LOAN					
Gross Loan- Opening	0.11	0.11	0.11	0.11	0.11
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.01
Net loan-Opening	0.11	0.11	0.11	0.11	0.10
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.00	0.01	0.02
Net Loan-Closing	0.11	0.11	0.11	0.10	0.08
Average Net Loan	0.11	0.11	0.11	0.11	0.09
Rate of Interest on Loan on Annual Basis	8.15	8.15	8.15	8.15	8.15
Interest on loan	0.009	0.009	0.009	0.009	0.0073

Summary

Gross Loan- Opening	217.16	217.19	217.19	217.19	217.19
Cumulative repayments of Loans upto previous year	21.71	32.55	54.27	75.97	97.68
Net loan-Opening	195.45	184.64	162.92	141.22	119.51
Add: Drawl(s) during the year	0.03	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	10.85	21.71	21.71	21.72	21.73
Net Loan-Closing	184.63	162.93	141.21	119.50	97.78
Average Net Loan	190.05	173.79	152.07	130.37	108.65
Rate of Interest on Loan on Annual Basis	8.15	8.15	8.15	8.15	8.1498
Interest on loan	15.4891	14.1638	12.3937	10.6251	8.8548

(Petitioner)



Loans in Foreign Currency

Form No. - 9D

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Implementation of 1 No. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP		
Element Description	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) (Bay No.412)		
Region	Southern Region	DOC Date	Sep 2, 2024


(Petitioner)



Calculation of interest on Normative loan

Form No. - 9E

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Implementation of 1 No. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP		
Element Description	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) (Bay No.412)		
Region	Southern Region	DOC Date	Sep 2, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No. of Days in the Year	365.00	365.00	365.00	366.00	365.00
No. of days for which Tariff claimed	211.00	365.00	365.00	366.00	365.00
Gross normative loan-Opening	219.91	421.42	462.78	462.78	462.78
Cumulative repayments of Normative loan upto previous year	0.00	14.58	49.48	85.62	121.76
Net normative loan-Opening	219.91	406.84	413.30	377.16	341.02
Addition in normative loan towards the ACE	201.51	41.36	0.00	0.00	0.00
Adjustment of normative gross loan pertaining to the decapitalised asset	0.00	0.00	0.00	0.00	0.00
Normative repayments of normative loan during the year	14.58	34.90	36.14	36.14	36.14
Adjustment of cumulative repayment pertaining to the decapitalised asset	0.00	0.00	0.00	0.00	0.00
Net normative loan - closing	406.84	413.30	377.16	341.02	304.88
Average normative loan	313.38	410.07	395.23	359.09	322.95
Weighted Average Rate of interest on actual loan	8.15	8.15	8.15	8.15	8.1498
Interest on normative loan	25.54	33.42	32.21	29.27	26.32
Pro rata interest on normative loan	14.76	33.42	32.21	29.27	26.32

(Petitioner)



Calculation of Depreciation Rate on Original Project Cost

Form No. - 10

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Implementation of 1 No. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP		
Element Description	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) (Bay No.412)		
Region	Southern Region	DOC Date	Sep 2, 2024

(Amount in Rs. Lakh)

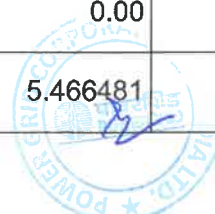
Name of Assets	Gross block at the beginning of the year	Add Cap during the year	Gross block at the end of the year	Average Gross Block	Depreciation Rate as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year upto 31.03.2029
2024-25						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	281.34	244.23	525.57	403.46	4.22	9.84
Comm. Sys. excluding Fiber Optic	32.82	43.64	76.46	54.64	15.00	4.74
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	0.00	0.00	0.00	0.00	15.00	0.00
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	314.16	287.87	602.03	458.10	0.00	14.58
Weighted Average Rate of Depreciation(%)					3.182711	

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



Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	525.57	59.09	584.66	555.12	4.22	23.43
Comm. Sys. excluding Fiber Optic	76.46	0.00	76.46	76.46	15.00	11.47
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDISM/SCADA,etc	0.00	0.00	0.00	0.00	15.00	0.00
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	602.03	59.09	661.12	631.58	0.00	34.90
Weighted Average Rate of Depreciation(%)					5.525824	

2026-27						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	584.66	0.00	584.66	584.66	4.22	24.67
Comm. Sys. excluding Fiber Optic	76.46	0.00	76.46	76.46	15.00	11.47
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDISM/SCADA,etc	0.00	0.00	0.00	0.00	15.00	0.00
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	661.12	0.00	661.12	661.12	0.00	36.14
Weighted Average Rate of Depreciation(%)					5.466481	



2027-28

Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	584.66	0.00	584.66	584.66	4.22	24.67
Comm. Sys. excluding Fiber Optic	76.46	0.00	76.46	76.46	15.00	11.47
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDISM/SCADA,etc	0.00	0.00	0.00	0.00	15.00	0.00
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	661.12	0.00	661.12	661.12	0.00	36.14
Weighted Average Rate of Depreciation(%)					5.466481	

2028-29

Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	584.66	0.00	584.66	584.66	4.22	24.67
Comm. Sys. excluding Fiber Optic	76.46	0.00	76.46	76.46	15.00	11.47
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDISM/SCADA,etc	0.00	0.00	0.00	0.00	15.00	0.00
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	661.12	0.00	661.12	661.12	0.00	36.14

Weighted Average Rate of Depreciation(%)					5.466481	
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(Petitioner)



Statement of Depreciation

Form No. - 10A

Name of the Transmission Licensee	Power Grid Corporation of India Limited				
Project	Implementation of 1 No. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP				
Element Description	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) (Bay No.412)				
Region	Southern Region	DOC Date	Sep 2, 2024		

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No of Days in the year	365.00	365.00	365.00	366.00	365.00
No of days for which tariff claimed	211.00	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	23.00	23.00	23.00	23.00	23.00
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)	23.00	23.00	22.00	21.00	20.00
Capital Base					
1.4 Opening capital cost	314.16	602.03	661.12	661.12	661.12
1.5 Additional Capital Expenditure dr. the year	287.87	59.09	0.00	0.00	0.00
1.6 De-Capitalisation During the year	0.00	0.00	0.00	0.00	0.00
1.7 Closing capital cost	602.03	661.12	661.12	661.12	661.12
1.8 Average capital cost	458.10	631.58	661.12	661.12	661.12
1.9 Freehold land included in 1.8	0.00	0.00	0.00	0.00	0.00
1.10 Asset having NIL salvage value included in 1.8	0.00	0.00	0.00	0.00	0.00
1.11 Asset having 10% salvage value included in 1.8	458.10	631.58	661.12	661.12	661.12
1.12 Depreciable Value(1.10+90% of 1.11)	412.29	568.42	595.00	595.00	595.00
Depreciation for the period and Cum. Depreciation					
1.13 Weighted Average Rate of depreciation	3.182711	5.525824	5.466481	5.466481	5.466481



1.14 Depreciation(for the period)	14.58	34.90	36.14	36.14	36.14
1.15 Depreciation(Annualised)	14.58	34.90	36.14	36.14	36.14
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	14.58	49.48	85.62	121.76
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	14.58	49.48	85.62	121.76	157.90


(Petitioner)



Calculation of interest on working Capital

Form No. - 11

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Implementation of 1 No. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP		
Element Description	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) (Bay No.412)		
Region	Southern Region	DOC Date	Sep 2, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No of Days in the year	365.00	365.00	365.00	366.00	365.00
No of days for which tariff claimed	211.00	365.00	365.00	366.00	365.00
O&M Expenses-one month	2.46	2.59	2.73	2.87	3.02
Maintenance spares 15% of O&M Expenses	4.43	4.66	4.91	5.16	5.43
Receivables equivalent to 45 days of AFC	13.27	16.85	17.27	17.08	16.99
Total Working capital	20.16	24.10	24.91	25.11	25.44
Bank Rate as on 01.04.2024 or as on 01st April of the COD year, whichever is later.	11.90	11.90	11.90	11.90	11.90
Interest on working capital	2.40	2.87	2.96	2.99	3.03
Pro rata interest on working capital	1.39	2.87	2.96	2.99	3.03

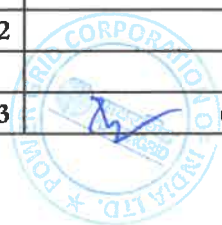
(Petitioner)



Incidental Expenditure During Construction

Name of the Petitioner Power Grid Corporation of India Limited
Name of Region: SR-I
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) (Bay No.412)" in Southern Region-I of Power Grid Corporation of India Limited, expected to be under commercial operation w.e.f. 02.09.2024
Name of the Project :
Name of the Transmission Element :
Date of Commercial Operation: 02.09.2024 (Proposed)

S. No.	Parameters	2023-24	2024-25	Total
A	Expenses:			
1	Employees' Remuneration & Benefits	22.59	36.05	58.64
2	Finance Costs			-
3	Water Charges			-
4	Communication Expenses	0.29	1.17	1.45
5	Power Charges			-
6	Depreciation	-	0.07	0.07
7	Other Office and Administrative Expenses	-	0.23	0.23
8	Others (Please Specify Details)			-
	Professional charges			-
	Tender expenses			-
	Printing & Stationary			-
	Hiring of vehicles			-
	Advertisement and Publicity			-
	Legal Expenses			-
	Travelling	0.77	1.40	2.17
	Security Expenses			-
	Training Expenses	-	0.12	0.12
	CC/RHQ Allocation	0.10	0.41	0.50
8	Other pre-Operating Expenses			-
	Sub Total A	23.74	39.45	63.19
B	Total Expenses			
	Less: Income from sale of tenders			-
	Less: Income from guest house			-
	Less: Income recovered from Contractors			-
	Less: Interest on Deposits			-
	Less: other Income	-	0.32	0.32
	Sub Total B	-	0.32	0.32
	TOTAL	23.74	39.13	62.87



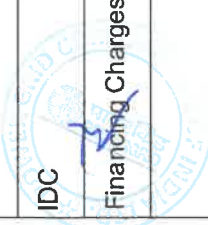
Drawdown schedule Calculation of IDC & Financing Charges

Form No. - 12B

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	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 Gre		
Element Description	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) (Bay No.412)		
Region	Southern Region	DOCO Date	Sep 2, 2024

Particulars	Quarter 1		Quarter 2		Quarter n (COD)	
	Quantum in FC	Ex. Rate on Drawn Down Date Amount in Indian Rupee	Quantum in FC	Ex. Rate on Drawn Down Date Amount in Indian Rupee	Quantum in FC	Ex. Rate on Drawn Down Date Amount in Indian Rupee
Loans						
Foreign Loans						
Total of Foreign Loans						
Indian Loans						
Canara-01 -DOCO LOAN						
Draw Down Account						172.86
IDC						
Financing Charges						
Canara-01 -DOCO LOAN						

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Details of Initial Spares

Name of the Transmission Licensee	Power Grid Corporation of India Limited	
Project	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 Gre	
Element Description	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) (Bay No.412)	
Region	Southern Region	DOC Date Sep 2, 2024

A) Determination of Excess initials spare and its adjustment from Capital cost (Amount in Rs. Lakh)

Particular	Plant and machinery cost as on cut-off Date	Initial Spare Capitalised as per Books of Account up to Cut-off Date						Ceiling limit as mentioned in Regulations 23	Entitled Initial Spare as per Regulations	Excess of capitalised Initial Spare to be reduced from Capital cost	Adjustment of Excess Initial Spare from Capital cost of Plant and machinery		
		As on COD	As ACE dr. Y1	As ACE dr. Y2	As ACE dr. Y3	As ACE dr. Y4	Total as on Cut off Date				COD for Y1	ACE for Y2	ACE for Y3
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0			
Substation Green field	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0	0			
Substation Brown field	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0	0			
Series Com. devices and HVDC station	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0	0			
GIS/S- Green field	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0	0			
GIS/S- Brown field	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0	0			
Communication System	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.50	0	0			

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

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



2	Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & Annexure for the new Transmission System & Communication System for the relevant years.	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.		



Summary of Capital Cost & Annual Fixed Cost (AFC) Claimed for ALL the assets covered in the present petition.													
Name of the Petitioner		Power Grid Corporation of India Ltd											
Tariff Period		2024-29											
Name of the Transmission Project		Implementation of 1 No. 400kV line bay at Kurmool New S/s for providing Connectivity to M/s Greenko AP01 IREP Pvt Ltd (2nd 400kV line bay for M/s Greenko) (Bay No.412)											
COD of the Project (if entire scope of project is completed)		02.09.2024 (Proposed)											
A) Summary of Capital Cost as on COD and Additional Capital Expenditure claimed for all the assets Covered in the instant petition													
S. No.	Asset No.	COD (Proposed)	Cut-off Date	i) Apportioned Approved Cost		ii) Summary of Actual / Projected Capital Cost							Capital Cost as on Cut-off Date
				As per IA	As per RCE	As on COD	2024-25	2025-26	2026-27	2027-28	2028-29	Capital Cost as on 31.03.2029	
1	Asset-1	02.09.2024	31.03.2028	3	4	5	6	7	8	9	10	11= (5+6+7+8+9+10)	12
Total Capital Cost Claimed				550.00	650.00	310.27	287.82	59.09	0	0	0	657.18	657.18
B) Summary of Annual Fixed Cost (AFC) claimed for all the assets covered in the instant petition													
S. No.	Asset No.	Asset Name and its location											
1	Asset-1	Implementation of 1 No. 400kV line bay at Kurmool New S/s for providing Connectivity to M/s Greenko AP01 IREP Pvt Ltd (2nd 400kV line bay for M/s Greenko) (Bay No.412)											
Total AFC for all the Assets													
							62.24		62.24	136.71	140.07	138.88	137.77

Note: 1) The purpose of this form is to summarise the Capital cost & AFC claimed for all the assets covered in the instant petition.

(Petitioner)



Summary of issue involved in the petition

**PART-III
FORM- 15**

1. Name of the Petitioner	Power Grid Corporation of India Ltd	
2. Petition Category	Transmission	
3. Tariff Period	2024-29	
4. Name of the Project	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) (Bay No.412)	
5. Investment Approval date	27.03.2023	
6. SCOD of the Project	27.02.2024	
7. Proposed COD of the project	02.09.2024	
8. Whether entire scope is covered in the present petition.	Yes	
9. No. of Assets covered in instant petition	01 no.	
10. No. of Assets having time over run	01 no.	
11. Estimated Project Cost as per IA	Rs.550.00 Lakh	
12. Is there any RCE? if so, provide the date	29.10.2024	
13. Revised Estimated Project Cost (if any)	Rs.650.00 Lakh	
14. Completion cost for all the assets covered in the instant petition.	Rs.657.18 Lakh	
15. No. of Assets covered in instant petition and having cost overrun.	01 no.	
16	Prayer in brief	
17	Key details and any Specific issue involved	
18	Respondents	
	Name of Respondents	
	1 TANGEDCO	2. BESCOM
	3 KSEB	4. GESCOM.
	5 APCPDCL	6. HESCOM
	7 Electricity Department, Govt of Pondicherry	8. MESCOM
	9 APEPDCL	10. CESC
	11 APSPDCL	12. Electricity Department, Government of Goa
	13 TSSPDCL	14. TSNPDCL
	15. Greenko AP01 IREP Pvt. Ltd.	16. CTUIL

(Petitioner)

