



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत संचार विकास प्रभाग
Power Communication Development Division

CEA Case No. : RAJ-756		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C line on D/C tower from 220/33 kV Dangari PSS of M/s Inox Wind Energy Limited to 400 kV Bhensara GSS of RVPNL (Length: 11.446 kms)		
S. No	Reference No.	Dated
(i)	PTCC/IWEL/DANGARI/2024/09/07	07.09.2024
(ii)	INOX E-mail	11.10.2024
(iii)	INOX E-mail	03.11.2024
(iv)	IWEL/DANGARI/CEA/PTCC/24-25/0411	04.11.2024
(v)	BSNL: DET/PTCC/ND/DV-10410/RAJ-1505/2024-25	14.10.2024
(vi)	North Western Railway: SG/158/NWR/PTCC/1000	23.10.2023

The PTCC proposal submitted vide reference (i), (ii) and (iii) has been examined. DET (NZ), BSNL vide reference (v) and Dy. CSTE, NWR vide reference (vi) have issued their No Objection Certificate (NOC).

EPR Zones for proposed substation are mentioned below.

Name of the proposed SS	Half Diagonal Distance, D/2 (mts)	Fault Current, I (kA)	Resistance of earth mat, R (Ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7 kV	d (mts) at 10 kV
220/33 kV Dangari PSS of M/s Inox Wind Energy Limited	96.8	50	0.059	567	343	NA	NA

As per the details submitted by BSNL vide reference (v) above, no telephone exchanges are falling in the EPR zone of the proposed substations.

Telecommunication details from DG Signals, MoD are awaited. M/s IWEL vide reference (iii) has requested DG Signals, MoD to expedite the submission of Telecom Details/ NOC, however, no response has been obtained from their end even after the passage of 06 weeks period provided to BSNL/ Railway and Defense as per PTCC Manual and subsequent CLPTCC meetings.

Vide reference (iv) above, M/s IWEL has requested for provisional PTCC approval citing their readiness to charge the line. While requesting for provisional PTCC approval, M/s IWEL has given an undertaking that *"In case of any impact on the telecom assets/ personnel of defense due to charging of this transmission line, INOX Wind Energy Limited will take all necessary actions for its remediation and no other utility/ organization shall be held liable for this"*.

Taking above into consideration, necessary action for issuance of provisional PTCC route approval shall be taken under intimation to this office in the stipulated period as specified in PTCC

Manual and subsequent CLPTCC meetings. LF induction on telecommunication circuits of Defense, if any, will be communicated after the receipt of details from DG Signals, MoD.

Encl.: As above

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL, O/o GM (North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath New Delhi-110001	
2.	Director General of Signals	General Staff Branch, Integrated HQ, MoD (army), Sena Bhawan, DHQ, PO, New Delhi- 110 105	With a request to provide details of Telecom assets/ NOC at the earliest for IV calculation and issuance of final RAC.
3.	M/s Inox Wind Energy Limited	INOX Towers, 17, Sector 16A, Noida – 201 301	

Annexure

Time line for various steps involved in PTCC clearance are specified in Appendix X to Chapter- I of PTCC Manual 2010 and further decision in CLPTCC meetings are given below. The relevant part is reproduced below:

For approval of power lines above 132 kV:

- | | | |
|-----|--|------------|
| (a) | For furnishing telecom details by P&T/Railways/Army. | 8/6* weeks |
| (b) | Scrutinizing the details, preparing additional copies and forwarding to Joint Secretary Power <i>by DET BSNL</i> | 1 weeks |
| (c) | Furnishing Induced Voltage (IV) calculation by Joint Secretary Power & endorsing copies to all concerned <i>by CEA</i> | 6/3* weeks |
| (d) | Furnishing recommendations by Railways/ Army | 2 weeks |
| (e) | Final examination and issue of certificate <i>by DET BSNL</i> | 2/1* weeks |

* Revised time line for power lines related to RE generation and traction circuits and for all power lines having length less than 5 km as per the decision taken in 107th CLPTCC meeting.

11/7/24, 12:08 PM

FW: Request for PTCC Consent Submission of Defence for 220kV Transmission Line Charging

FW: Request for PTCC Consent Submission of Defence for 220kV Transmission Line Charging

NA naveen.singh1@inoxwind.com
Thu, 07 Nov 2024 10:30:47 AM +0530
To "CEA PCD DIVISION" <Cepcd.cea@gov.in>
Cc "rajas.acharya" <rajas.acharya@inoxwind.com>
Tags

Dear Sir,

Please find the trail mail in which we have requested Defence Department for PTCC NOC for our 11.446 km Tx Line line.

Thanks & Regards,

**Naveen Singh**

Deputy Manager-Regulatory Affairs

Inox Wind Limited

INOXGFL Towers, 17, Sector -16A, Noida ? 201301 (UP), India

M: +91-7985974023 | D: +91 120-6149811 | E: Naveen.singh1@inoxwind.comW: www.inoxwind.com

Disclaimer: The content of this e-mail is confidential and intended for the recipient specified in message only. If you have received this message by mistake, please delete it immediately and notify us through e-mail or call.

From: Naveen Singh**Sent:** Sunday, November 3, 2024 11:55 AM**To:** webstar@nic.in**Subject:** Request for PTCC Consent Submission of Defence for 220kV Transmission Line Charging

Dear Sir,

This is to bring to your attention that we have applied for PTCC approval on dt.07.09.2024, for our 220kV D/C tower S/C line from Inox PSS Dangari to 440kV RVPNL Bhensara GSS. The line, with a total length of **11.446 km**, is now ready for charging.

Consents from BSNL and the Railways are already shared to CEA, but consent from Defense department is still pending. We kindly request you that please expedite the submission of your consent to facilitate the timely charging of our transmission line.

Thanks & Regards,

**Naveen Singh**

Deputy Manager-Regulatory Affairs

Inox Wind Limited

INOXGFL Towers, 17, Sector -16A, Noida ? 201301 (UP), India

M: +91-7985974023 | D: +91 120-6149811 | E: Naveen.singh1@inoxwind.comW: www.inoxwind.com

11/7/24, 12:08 PM

FW: Request for PTCC Consent Submission of Defence for 220kV Transmission Line Charging

Disclaimer: The content of this e-mail is confidential and intended for the recipient specified in message only. If you have received this message by mistake, please delete it immediately and notify us through e-mail or call.

☾ **1 Attachment(s)** • [Download as Zip](#)



PTCC Cover Letter+Document.pdf

7.1 MB • 

Inox Wind Energy Limited

CIN: L40106HP2020PLC010065

Registered Office: Plot No. 1, Khasra Nos. 264 to 267, Industrial Area,
Village - Basal, Distt. Una- 174303, Himachal Pradesh.

Telephone: +91-1975-272001

E-mail: investors.iwl@inoxwind.com, Website: www.iwel.co.in

Ref.IWEL/Dangari/CEA/PTCC/24-25/0411

To,

Date.04.11.2024

**The Deputy Director(PTCC)
Central Electricity Authority
Sewa Bhawan, R.k puram
Sector-1, New Delhi-110066**

Subject: Request for Provisional PTCC Approval for Charging 220kV D/C Tower S/C Line from Inox PSS Dangari to 440kV RVPNL Bhensara GSS.

Reference:- Our Letter no. PTCC/IWEL/Dangari/2024/09/07 dated 07.09.2024

Dear Sir,

This is to bring to your attention that we have applied for PTCC approval on dt.07.09.2024, for our 220kV D/C tower S/C line from Inox PSS Dangari to 440kV RVPNL Bhensara GSS. The line, with a total length of **11.446 km**, is now ready for charging.

Consents from BSNL and the Railways are already shared to CEA, but approval from the Defense department is still pending. As we all understand, obtaining the Defense consent takes some time, but our project is now at a critical stage where the line is ready to be charged. The absence of PTCC approval is the only pending statutory requirement to receive the charging code from SLDC.

For which we are undertaking ourself that in case of any impact on the Telecom assets/personnel of Defense due to charging of the transmission line of Inox Wind Energy Limited will take care all necessary actions for it's remediation and no other utility/organization shall be held liable for this.

Therefore, we kindly request you to provide us provisional PTCC approval so that we can proceed with charging of line.

Thanks & Regards


Authorized Signatory 

An **INOXGFL** Group Company
BEYOND INFINITY

Corporate Office: INOXGFL Towers, 17 Sector 16A, Noida 201 301, Uttar Pradesh
Tel: +91 120 6149600, Fax: +91 120 6149610

RAJ-756

File No.NWR-HQ0SNT(TELE)/22/2020-O/o Dy.CSTE/Telecom/NWR

NORTH WESTERN RAILWAY

Head Quarter Office
Room No. 136, First Floor,
Near Jawahar Circle,
Jaipur-302017
Date: 21.10.2024

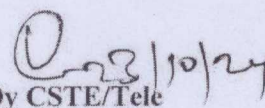
No.SG/158/ NWR/PTCC/1000

The Director (PTCC),
Central Electricity Authority,
L D&T Division, NREB Complex,
18-A, Saheed Jeet Singh Marg,
Katwaria Sarai,
New Delhi- 110016

Sub: - PTCC route proposal for f 220KV D/C Tower S/C line INOX PSS Dangari to 400KV RVPNL Bhensara (Jaisalmer II) GSS line.

Ref.: - PTCC/IWEL/DANGARI/2024/09/07 . Dt 07.09.2024

Reference is made to the letter mentioned above. There is no railway track within the vicinity of 8 Km from the proposed power line. Hence PTCC route approval for the above line can be given without any extra precaution to Railway Telecom and Block circuits.


Dy CSTE/Tele
NWR/Jaipur

Copy to:-

1. The DET (PTCC) NZ, (PTCC)
O/o GM (North), Inspection Circle (T&D),
D-Tax building, Eastern Court
New Delhi-1100012.
2. INOX WIND ENERGYLIMITED,
17, Sector 16A,
Noida-201 301 U.P.

Central Electricity Authority

PSCD Division

Diary No.1767

Date28-10-24

DET(PTCC), Northern Zone,
O/o PGM(N), QA & Inspection Circle,
D- Tax Building, Eastern Court,
Janpath, New Delhi-110001



भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

No. DET/PTCC/ND/DV-10410/RAJ-1505/2024-25

Dtd. 14.10.2024

To
The Chief Engineer, PCD Division
Central Electricity Authority
Sewa Bhawan, R. K. Puram, Sector-1
New Delhi-110066

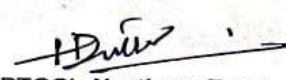
Sub: Submission of BSNL TD and NOC

Ref: 1. M/s Inox Wind Energy Limited Lt No.PTCC/IWEL/DANGARI/2024/09/07 07.09.2024
2. Proforma- A & B submitted by AGM(Operation), O/o the DGM(OP), BSNL, Jaisalmer

Name of the Power Line: 220 kV S/C line on D/C tower from 220/33 kV Gangri PSS of M/s Inox Wind Energy Limited to 400 kV Bhensara GSS of RVPNL (Length: 11.446 kms)

With reference to the subject as mentioned above, this office has received Proforma- A & B from AGM(Operation), O/o DGM(OP), BSNL, Jaisalmer vide letter No.G-18/PTCC/Telecom District Manager Jaisalmer/2024-25/ dtd.25.09.2024. It is mentioned that there is no BSNL lines and circuits within 8 Km periphery of the proposed power line. Therefore, NOC is accorded for PTCC approval of the proposed power line.

It is requested to convey your comments regarding LF induction on the paralleling Railway and defence lines under Single-Line-to-Ground (SLG) fault conditions, if any.


D.E.T. (PTCC), Northern Zone
D-Tax Building, Eastern Court
New Delhi-110001

**Divisional Engineer
PTCC, North Zone
New Delhi-110001**



भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

कार्यालय दूर संचार जिला प्रबन्धक जैसलमेर

To

The DET (PTCC), Northern Zone.

O/o PGM(N), QA & Inspection Circle,

D-Tax Building, Eastern Court,

Janpath, New Delhi- 110001

No.- G-18/PTCC/ Telecom District Manager Jaisalmer/ 2024-25/

Date 25.09.2024

Sub. : Regarding PTCC case of 220 KV D/C Tower S/C line INOX PSS Dangari to 400KV RVPVL Bhensara (JaisalmerII) GSS line , Length = 11.446 km

Reference: PTCC/IWEL/Dangari/2024/09/07 Date:- 07.09.2024

With reference to above cited letter , the report of PTCC cases of 220 KV D/C Tower S/C line INOX PSS Dangari to 400KV RVPVL Bhensara (JaisalmerII) GSS line , Length = 11.446 km , Jaisalmer along with attached route map and proforma- A & B are sending to you for necessary action .

Please find attached route map and proforma- A & B.


AGM (OP)
AGM (Operation)
O/o DGM (OP.) Jaisalmer

PROFORMA- A

Name of Power Line :- 220KV D/C TOWER S/C LINE INOX PSS DANGRI TO 400 KV RVPVL BHENSARA GSS LINE, Length = 11.446 KM
(Stringing only S/C)

FOR FURNISHING OVERHEAD TELECOM DETAIL

S.No.	Name of Telecom Alingment	L-14 Index Digram	Along Rail/Road	Average Seperation from Rail/Road	Full NAME OF Telecom Circuit shown in L-14 Diagram	Metallaic / Earth Return	Length of Telecom Circuit	Any intermediate Tapping
	No. Nearby telecome line passing through said route.					N/A		


AGM (Operation)
O/o DGM (OP.) Jaisalmer


18/09/2024
Signature of BSNL Authority
JTO (M)
BSNL JAISALMER
मुख्य अधिकारी (टी)
भारत संचार निगम लि० जैसल


PROFORMA- B

Name of Power Line :- 220KV D/C TOWER S/C LINE INOX PSS DANGRI TO 400 KV RVPVL BHENSARA GSS LINE, Length = 11.446 KM
(Stringing only S/C)

FOR FURNISHING UNDERGROUND TELECOM DETAIL (OFC)

S.No.	Name of Place		Type of Cable	Co-Axial Cable		Optical Fiber Cable	
	From	To		Size & Length of Cable	No. of Pair	Size & Length of Cable	Armoured / Un-Armoured Cable
	No Near by telecome line (ofc) Passing through said route						


AGM (Operation)
O/o DGM (OP.) Jaisalmer


18/09/2024
Signature of BSNL Authority
JTO (OP.)
BSNL JAISALMER
अंतर दूर संचार अधिकारी (ऑप.)
भारत संचार निगम लि. जै.