



सत्यमेव जयते

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

CEA Case No. : GUJ-878		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C line from 220 kV Charkha S/s to proposed 220 kV PSS of M/s Project Twelve Renewable Power Private Limited (Length: 1.12 km)		
S. No	Reference No.	Dated
(i)	PTRPPL: PTRPPL/2024-25/220kV/PTCC/001	17.04.2024
(ii)	PTRPPL: PTRPPL/2024-25/220kV/PTCC/002	29.07.2024
(iii)	BSNL: IC/MBI/PTCC/GUJ-2960	25.07.2024
(iv)	Western Railway: SG.158/28/12/1387	17.05.2024

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on communication circuits of BSNL with respect to details furnished vide above reference (iii) have been computed. The voltage likely to be induced on paralleling communication cables of BSNL under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors as applicable have been considered. Western Railway has given NOC vide above reference (iv).

EPR Zones for proposed substations are mentioned below.

Name of the proposed SS	Half Diagonal Distance, D/2 (mts)	Fault Current, I (kA)	Resistance of earthmat, R (Ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7 kV	d (mts) at 10 kV
220 kV PTRPPL SS	141.71	28	0.17	1427	896	NA	NA

Telecommunication details from DG Signals, MoD are awaited, however, vide reference (ii) above, M/s. PTRPPL have informed that they intend to commission 140MW wind plant on or before 10th Aug-2024 and the line is awaiting charging due to want of PTCC approval. So as to charge the subject cited transmission line as per schedule, M/s PTRPPL has requested for issuance of provisional PTCC clearance and has submitted an undertaking that in case of any impact on telecom asset/personnel of Defense due to charging of this transmission line, M/s PTRPPL shall take all remedial action.

Taking above into consideration, necessary action for issuance of provisional PTCC route approval may be taken under intimation to this office. LF induction on telecommunication circuits of Defense, will be communicated after the receipt of details from DG Signals, MoD.

Encl.: As above

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Western Zone	QA & Inspection circle, 1 st floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai-400054	
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 Project Twelve Renewable Power Private Limited	S-2904, 29th Floor, World Trade Center, Brigade Gateway, Dr Rajkumar Road, Malleswaram – rajajinagar, Bangalore – 560 055	Copy for information

ANNEXURE-I

CEA Case No.: GUJ-878 Name of the Power line: 220kV S/C line from PTRPPL Wind Pooling Station, Amreli to Charkha SS of GETCO			Map Scale : 1 cm= 500 m Total Length : 1.12 km S.R. Value : 10000 Ohm-cm		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
BSNL Letter No.- IC/MBI/PTCC/GUJ-2960 Date: 25.07.2024					
	BABRA Exchange				
1A	Babra Exchange Local 400x2 P	Out of Parallelism			
2A	Babra Exchange Local 800x1 P				
3A	Babra Exchange Local 400x1 P				

From: [Rohit Hadpe](mailto:webstar@nic.in)
To: webstar@nic.in
Cc: dubey.akshay@gov.in; detptccmbi@gmail.com; [ImportedByAFS Am](#); [ImportedByAFS Nbgojiya](#); [Reentu Vataliya - Shree Samarth](#); [Mukul Kumar](#); [Vaibhav V Karade](#)
Subject: RE: Regarding the PTCC approval for 220kV S/c line of 140 MW Wind Power Project of "Project Twelve Renewable power private Limited".
Date: 31 July 2024 11:16:00
Attachments: [image002.png](#)
Importance: High

Dear Sir,

We are following up with your office repeatedly via phone and letter, but we are not getting any response. We once again humbly requesting your good office to kindly provide the NOC for our PTCC proposal submitted on dated 17-04-2024.

Thanks & Regards,

Rohit R. Hadpe
Transmission & Approval • Projects



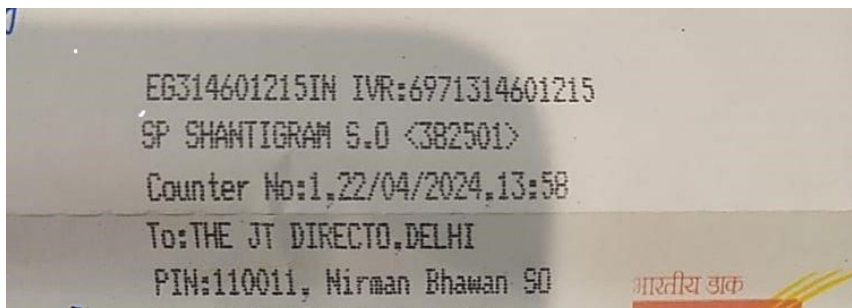
Ayana Renewable Power Private Limited
2904, 29th floor, World Trade Center,
Brigade Gateway Campus,
#26/1, Dr. Rajkumar Road, Rajajinagar,
Bangalore – 560 055
M: +91 9970790490
E: rohit.hadpe@ayanapower.com

From: Rohit Hadpe
Sent: Tuesday, July 30, 2024 4:59 PM
To: 'webstar@nic.in' <webstar@nic.in>
Cc: 'dubey.akshay@gov.in' <dubey.akshay@gov.in>; 'detptccmbi@gmail.com' <detptccmbi@gmail.com>; 'ImportedByAFS Am' <am@samarthgrps.com>; 'ImportedByAFS Nbgojiya' <nbgojiya@samarthgrps.com>; 'Reentu Vataliya - Shree Samarth' <eic@samarthgrps.com>; Mukul Kumar <mukul@ayanapower.com>; Vaibhav V Karade <vaibhav.karade@ayanapower.com>
Subject: RE: Regarding the PTCC approval for 220kV S/c line of 140 MW Wind Power Project of "Project Twelve Renewable power private Limited".

Dear Sir,

Continuation to trailing mail, the NOC from your good office is still awaiting. It is requested to kindly expedite the same on early basis.

Note: The Application was sent to your office on 22-04-2024. The Speed post receipt is also attached as below.



Thanks & Regards,
Rohit R. Hadpe

Transmission & Approval • Projects



Ayana Renewable Power Private Limited
2904, 29th floor, World Trade Center,
Brigade Gateway Campus,
#26/1, Dr. Rajkumar Road, Rajajinagar,
Bangalore – 560 055
M:+91 9970790490
E:rohit.hadpe@ayanapower.com

From: Rohit Hadpe

Sent: Monday, July 29, 2024 11:39 AM

To: webstar@nic.in

Cc: dubey.akshay@gov.in; detptccmbi@gmail.com; ImportedByAFS Am am@samarthgrps.com; ImportedByAFS Nbgojiya nbgojiya@samarthgrps.com; Reent Vataliya - Shree Samarth eic@samarthgrps.com; Mukul Kumar mukul@ayanapower.com; Vaibhav V Karade vaibhav.karade@ayanapower.com

Subject: Regarding the PTCC approval for 220kV S/c line of 140 MW Wind Power Project of "Project Twelve Renewable power private Limited".

Dear Sir,

We, M/s. Project Twelve Renewable Power Private Limited, **developing 140 MW Wind Power Project at Town: Amreli; Taluk: Babra; District: Amreli, Gujarat.** The PPA has been signed with GUVNL and the connectivity has been granted by GETCO to evacuate 140MW Wind Power at GETCO's 220kV Charkha Substation from our 220 kV Wind Power plant PSS.

In this regard, the proposal for **PTCC Route Approval of proposed 220 KV Single Circuit overhead transmission line** from M/s. PTRPPL's Wind pooling substation located in the Village Charakha, Ta. Babra, Dist. Amreli to 220kV Charakha Sub-station of GETCO (Total line length is approx 1.12km) has been submitted for your NOC vide letter dated **17.04.2024**. (Copy attached).

Sir, please note that, the NOC's from **Western Railway** is already received on **27-05-2024** (Copy attached) and the **site visit of BSNL** is also completed. **However, the NOC from your office (MoD) is still awaited due to which the final PTCC approval is pending.**

Further, we would also like to submit that, as per the recent MoD application process set out on the NIWE and maps presented on NIWE website our 140 MW (Wind Project) Amreli site is under the Blue Box-2 which falls under 'NOC not required (subject to the condition) as per the map legend issued by MoD. Moreover, the site is 130km away from the Jamnagar Airforce station. Hence, we understand that, with reference to the IAF website www.indianairforce.nic.in>Utilities and Useful Links>ATS Services> Color Coded Zonal Maps our site does not fall under the CCM grid area issued by MoD and as per GSR 751-E does not require any application / NOC from MoD is necessary. The above matter is also addressed to NMRE and IAF (Jamnagar) (Copy of letter attached).

Moreover, please note that, **we are intended to commission our 140 MW Wind plant on or before 10th Aug-2024.** Regarding this we have already informed the concerned STU & SLDC (GETCO). **Hence, we request your good office to kindly expedite the NOC at the earliest so that, the PTCC approval can be processed.**

Thanks & Regards,

Rohit R. Hadpe

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