



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**

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<b>CEA Case No. : GUJ-876</b>		
<b>Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C line from 220/33 kV PSS of M/s HR Sabarmati Pvt. Ltd. at Piplana village to 220 kV Sankhari S/s of GETCO (Length: 26.312 kms)</b>		
<b>S. No</b>	<b>Reference No.</b>	<b>Dated</b>
(i)	HSRPL/SOLAR/LETTER/011	04.04.2024
(ii)	HSRPL/SOLAR/PTCC/02	23.10.2024
(iii)	BSNL: IC/MBI/PTCC/GUJ-2957	25.06.2024
(iv)	Western Railway: SG.158/28/12 (1385)	17.04.2024

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

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 PSS of M/s HR Sabarmati Pvt. Ltd. at Piplana village	75	30	0.266	1317	846	11	NA

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

Telecommunication details from DG Signals, MoD are still awaited. M/s HR Sabarmati Private Limited vide reference (ii) has requested for provisional PTCC approval citing their readiness to charge the line. While requesting for provisional PTCC approval, M/s HR Sabarmati Private Limited has given an undertaking that “In case of any impact on the telecom assets/ personnel of defense due to charging of this transmission line, HR Sabarmati Private 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), Western Zone	QA & Inspection circle, 1 <sup>st</sup> floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai-400054	
2.	GM (S&T), Western Railway	S&T Deptt., 5 <sup>th</sup> Floor, Station Building, Churchgate, Mumbai – 400 020	
3.	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.
4.	M/s HR Sabarmati Private Limited	Unit No. 1, Ground Floor, Boston House, Suren Road, Off. Andheri-Kurla Road, Andheri (East), Mumbai – 400 093	

**ANNEXURE-I**

CEA Case No.: GUV-876		Map Scale : 1 cm= 500 m			
Name of the Power line: 220 kV S/C line from 220/33 kV PSS of M/s HR Sabarmati Pvt. Ltd. at Piplana village to 220 kV Sankhari S/s of GETCO		Total Length : 26.312 km			
		S.R. Value : 5000 Ohm-cm			
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
<b>BSNL Letter No IC/MBI/PTCC/GUV-2957 Date: 25.06.2024</b>					
<b>I</b>	<b>Ranuj Exchange</b>				
1	Exchange to local -100*1 P	Out of parallelism			
2	Exchange to local -50*1 P				
<b>II</b>	<b>Kungher Exchange</b>				
1	Exchange to Local-100*1 P	IV less than 430 V			
<b>III</b>	<b>Khimiana Exchange</b>				
1	Exchange to local-100*1 + 50*1 P	IV less than 430 V			
<b>IV</b>	<b>Patan Exchange</b>				
1	Exchange to local -1200*2 P	IV less than 430 V			
2	Exchange to local -800*2 P				
3	Exchange to local -800*2 P				
4	Exchange to local -400*10 P				
5	Exchange to local -400*5 P				
6	Exchange to local -200*12 P				
7	Exchange to local -200*13 P				
8	Exchange to local -100*10 P				
9	Exchange to local -100*15 + 50*5 P				
<b>V</b>	<b>Chanasma Exchange</b>				
1	Exchange to local-400*2 P	Out of parallelism			
2	Exchange to local-200*2 P				
3	Exchange to local-100*1 P				

**ANNEXURE-II**

<b>CEA Case No.: GUJ-876</b>			<b>Map Scale : 1 cm= 500 m</b>		
<b>Name of the Power line: 220 kV S/C line from 220/33 kV PSS of M/s HR Sabarmati Pvt. Ltd. at Piplana village to 220 kV Sankhari S/s of GETCO</b>			<b>Total Length : 26.312 km</b>		
			<b>S.R. Value : 5000 Ohm-cm</b>		
<b>S.No.</b>	<b>Telecom. Details</b>	<b>Length of Parallelism in Km.</b>	<b>Mutual Coupling in Ohms.</b>	<b>Effective Fault current in Amps.</b>	<b>I.V in Volts.</b>
<b>Western Railway: SG.158/28/12 (1385) Date: 17.04.2024</b>					
1	Patan to Ranuj	2.5	0.00027	25926	7
2	Ranuj to Dhinoj	Out of parallelism			
3	Ranuj to Chanasma	Out of IV consideration zone			



Ref. No.: HRSPL/SOLAR/PTCC/02

Date: 23.10.2024

To,  
The Divisional Engineer (Telegraphs) (PTCC)  
BSNL, Inspection Circle,  
Western Region, 3<sup>rd</sup> Floor,  
'D' Wing, BSNL Admin Building,  
Juhu Tara Road, Santracruz West,  
Mumbai 400 054.

**Subject: UNDERTAKING to issue Provisional P.T.C.C. Approval against Proposal** of 220 kV S/C line from M/s. HR SABARMATI PRIVATE LIMITED SOLAR PSS to GETCO 220KV SANKHARI SUBSTATION ON D/C TOWER WITH AL-59 MOOSE CONDUCTOR for evacuation of 240 MW Solar Power at GETCO's 220KV Sankhari S/S from Solar plant of M/s. HR SABARMATI PRIVATE LIMITED SOLAR PSS having length of 26.312 KM.

Ref. No.: 1) Our Application L. No.: HRSPL/SOLAR/LETTER/011 Date: 08.04.2024  
2) CEA Case No.: GUJ-876  
3) Railway Letter No.: SG.158/28/12 (1385) Date: 17.04.2024  
4) Our request L. No.: HRSPL/SOLAR/PTCC/01 Date: 11.10.2024

**Respected Sir,**

Anent to the above subject, we hereby inform you that we have submitted a proposal for PTCC route approval vide above ref. (1) for above subject project in month of April 2024. And further, vide above ref. (2) CEA Case No.: GUJ-876 for subject work we have registered the proposal on the BSNL PTCC portal. And then received a letter from Western Railway vide above ref. (3).

But till date, no approvals has been received to us for the same. And looking to our project urgency, we hereby request that you issue Provisional Approval at the earliest so that we can commissioned the line on top priority.

**In order to the same, we hereby UNDERTAKE that "In case of any impact on the telecom assets/ personnel of Defense due to charging of this transmission line M/s. HR SABARMATI PRIVATE LIMITED will take all necessary actions for its remediation and no other utility/organization shall be held liable for this".**

Given the circumstances outlined above, we respectfully urge that your office give Provisional P.T.C.C. Approval as soon as possible.

Your timely action on this will be greatly appreciated.

Yours Faithfully,

For, M/s. HR SABARMATI PRIVATE LIMITED

*Milan Kumar*



Authorized Signatory

Name: Milan Kumar

Contact: +91 9940345500

**HR SABARMATI PRIVATE LIMITED**  
(A subsidiary of Hinduja Renewables Energy Private Limited)

CIN: U40107MH2022PTC381744



Email ID: [milan.kumar@hindujarenewables.com](mailto:milan.kumar@hindujarenewables.com)

**C.F.W.C. to:**

1. Chief Engineer,  
PSCD Division,  
Room No. 702,  
Central Electricity Authority  
Sewa Bhawan, R K Puram,  
Sector 1, New Delhi 110066
  
2. The Directorate General of Signals, (Signals-7),  
General Staff Branch Integrated HQ,  
MoD (Army), Sena Bhawan,  
DHQ, PO, New Delhi- 110005
  
3. Chief Signal & Telecom Engineer,  
Western Railway, S & T Department,  
5<sup>th</sup> Floor, Station Building,  
Church Gate,  
Mumbai – 400020 (MH)
  
4. The AGM Planning, BSNL Telephone Exchange,  
O/o GMTD, New Telephone Exchange Building,  
Joravar Palace, Palanpur, Gujarat – 385 001.
  
5. The Sub Divisional Engineer (Telecom – PTCC),  
Bharat Sanchar Nigam Limited (A Govt of India Enterprise)  
2<sup>nd</sup> Floor, E 10 B, Malgodown Road,  
Mehsana – 384 002.

**HR SABARMATI PRIVATE LIMITED**  
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CIN: U40107MH2022PTC381744

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