



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. :GUJ-824 / 212-214		dt. 02.03.22
PTCC proposal of 220 kV S/C line on D/C tower for evacuation of 150 MW solar power generation from M/s Juniper Green Three Pvt Ltd Plant (PGTPL) located at village Jakhan Ta. Limbdi Dist. Surendranagar to 400 kV Choraniya S/S of GETCO (3.98 km)		
Reference:		
S. No.	Reference No.	Dated
(i)	GETCO: CE(Project)/SE(Planning)/765	29.12.2021
(ii)	BSNL: IC/MBI/PTCC/WGJ050,20223769	15.02.2022
(iii)	Western Railway: SG. 158.23/12(1183)	31.01.2022

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on telecom cables of BSNL and Block & Telecom circuits of Western Railway with respect to details furnished vide above references (ii) and (iii) respectively has been computed. The voltages likely to be induced on paralleling telecom cables of BSNL and Block & Telecom circuits of 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.

Telecommunication details from Defense are pending and the power authority has shown urgency for the charging of the line. In view of this take necessary action regarding issuance of Provisional PTCC approval for 220 kV S/C line on D/C tower for evacuation of 150 MW solar power generation from M/s Juniper Green Three Pvt Ltd Plant (PGTPL) located at village Jakhan Ta. Limbdi Dist. Surendranagar to 400 kV Choraniya S/S of GETCO.

Encl.: As above.

Raghendra Prasad Singh

Director

To,

1.	Divisional Engineer (PTCC), Western Zone	BSNL; Inspection Circle, 3 rd Floor, D-Wing, BSNL Admin Building, Juhu Tara Road, Santacruz (West), Mumbai-400054.	
2.	GM(S&T)	Western Railway; O/o PCSTE, S&T Dept., 5 th floor, Station Building, Churchgate, Mumbai-400020.	Annexure-II only
3.	Chief Engineer (Project)	GETCO, Sardar Patel Vidyut Bhavan, Race Course, Vadodara - 390007	Copy for information

M/C

File No.CEA-PS-17-11(12)/13/2022-PCD Division



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के.वि.प्रा. केस सं. :GUJ-824/212-214	df 02.03.22	
पी.टी.सी.सी. प्रस्ताव 220 kV S/C line on D/C tower for evacuation of 150 MW solar power generation from M/s Juniper Green Three Pvt Ltd Plant (PGTPL) located at village Jakhan Ta. Limbdi Dist. Surendranagar to 400 kV Choraniya S/S of GETCO (3.98 km)		
सन्दर्भ:		
क्रमांक	सन्दर्भ सं.	दिनांक
(i)	GETCO: CE(Project)/SE(Planning)/765	29.12.2021
(ii)	BSNL: IC/MBI/PTCC/WGJ050120223769	15.02.2022
(iii)	Western Railway: SG. 158/28/12(1183)	31.01.2022

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। उपर्युक्त संदर्भों (ii) और (iii) में दिए गए विवरणों के संबंध में बीएसएनएल के दूरसंचार केबलों और पश्चिम रेलवे के ब्लॉक और दूरसंचार सर्किटों पर क्रमशः कम आवृत्ति प्रेरण की गणना की गई है। सिंगल लाइन टू ग्राउंड फॉल्ट की स्थिति के तहत बीएसएनएल और पश्चिम रेलवे के ब्लॉक और टेलीकॉम सर्किट के समानांतर दूरसंचार केबलों पर प्रेरित होने की संभावना वाले वोल्टेज क्रमशः अनुलग्नक- I और अनुलग्नक- II में संलग्न हैं। स्क्रीनिंग कारकों पर विचार कर लिया गया है।

रक्षा प्राधिकरण से दूरसंचार विवरण लंबित हैं और बिजली प्राधिकरण ने लाइन की चार्जिंग के लिए तत्कालता दिखाई है। इसे देखते हुए 220 kV S/C line on D/C tower for evacuation of 150 MW solar power generation from M/s Juniper Green Three Pvt Ltd Plant (PGTPL) located at village Jakhan Ta. Limbdi Dist. Surendranagar to 400 kV Choraniya S/S of GETCO के लिए अंतिम पीटीसीसी अनुमोदन जारी करने के संबंध में आवश्यक कार्रवाई करें।

संलग्न: उपरोक्त अनुसार

राधिका इराय सिंह
निदेशक

To,

1.	Divisional Engineer (PTCC), Western Zone	BSNL; Inspection Circle, 3 rd Floor, D-Wing, BSNL Admin Building, Juhu Tara Road, Santacruz (West), Mumbai-400054.	
2.	GM(S&T)	Western Railway; O/o PCSTE, S&T Dept., 5 th floor, Station Building, Churchgate, Mumbai-400020.	अनुलग्नक-II
3.	Chief Engineer (Project)	GETCO, Sardar Patel Vidyut Bhavan, Race Course, Vadodara - 390007	जानकारी हेतु

ANNEXURE - II

CEA Case No.: GUJ-824

Name of the Power line: 220 kV S/C line on D/C tower for evacuation of 150 MW solar power generation from M/s Juniper Green Three Pvt Ltd Plant (PGTPL) located at village Jakhan Ta. Limbdi Dist. Surendranagar to 400 kV Choraniya S/S of GETCO

Map Scale : 1 cm=200 m
Total Length : 3.98
S.R. Value : 1,00,000 Ω -cm

S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
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WESTERN RAILWAY Ref. No: SG.158/28/10 (1183) Dated: 31.01.2022

Affected Blocks & Telecom Circuits Details

S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
1	Wadhwan City - Limbdi	Outside IV consideration zone			0
2	Limbdi - Chuda				0

Prateek

STATE ENGINEER (TELECOMMUNICATIONS)
CENTRAL RAILWAY, Gandhinagar,
New Delhi.
विद्युत मंत्रालय, Ministry of Power
राज्य सचिव / Govt. of India
एच 13/एच/नएच 2000