



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-1142		
Induced Voltage (IV) calculation in respect of PTCC proposal for 33 KV Al Ar XLPE cable laid UG from MRPL PSS to 4 Nos of 60 Mvar SVGs and 3 Mvar Harmonic filters connected through 04 nos of HT panels (Feeder No. 304 & 317, 306 & 315) at 220/33 KV Mounting Renewable Power Ltd Hybrid Project PSS in village Thebhada, Tehsil - Lalpur, District Jamnagar (5.4 km)- regd.		
S. No	Reference No.	Dated
(i)	MRPL: MRPL/CEA/PTCC-02	31.03.2026
(ii)	Western Railway: SG.158/28/12/1811	17.04.2026

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

Taking above into consideration, necessary action shall be taken under intimation to this office in the stipulated period as specified in PTCC Manual and subsequent CLPTCC meetings.

Encl.: As above

Chief Engineer,

To,

1.	GM (S&T) Western Railway	S&T Dept., 5th Floor, Station Building, Church gate, Mumbai – 400020	
2.	M/s Mounting Renewable Power Limited	Welspun House, Kamala City, Senapati Bapat Marg, Lower Parel (W), Mumbai-400013	Copy for information

ANNEXURE-I

CEA Case No.: GUJ-1142					
Name of the Power line: 33 KV Al Ar XLPE cable laid UG from MRPL PSS to 4 Nos of 60 Mvar SVGs and 3 Mvar Harmonic filters connected through 04 nos of HT panels (Feeder No. 304 & 317, 306 & 315) at 220/33 KV Mounting Renewable Power Ltd Hybrid Project PSS in village Thebhada, Tehsil - Lalpur, District Jamnagar			Map Scale: 1 cm= 500 m		
			Total Length: 5.4 km		
			S.R. Value: 30000 Ohm-cm		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
Western railway Letter No: SG.158/28/12/1811 Dated 17.04.2026					
I.	Gop Jam – Lalpur Jam	5.4	0.00062	25408	16