



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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CEA Case No.: GUJ-804
PTCC proposal for extension of 400 kV D/C (Tripple snowbird) Essar-Lakadiya/Bhachau transmission line upto Jam Khambhaliya PS :18.601 km

Reference:		
S. No.	Reference No.	Dated
(i)	Jam Khambaliya Transco Limited:JKTL/400KV/31	27.07.2020
(ii)	BSNL: IC/MBI/PTCC/GJ-2825	17.10.2020
(iii)	Western Railway: SG.158/28/12 (1148)	15.03.2021
(iv)	Defense: B/46937/Sigs 7(b)/2105	23.10.2020

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. The Defense Authority have accorded NOC vide above reference (iv) for the proposed power line. (a copy enclosed at Annexure-III)

Taking above into consideration, necessary action regarding issuance of PTCC route approval may be taken.

Encl.: As above.

रायचन्द्र प्रताप सिंह  
Director 10.11.21

To,

1.	Divisional Engineer (PTCC), Western Zone	BSNL; Inspection Circle, 3 <sup>rd</sup> Floor, D-Wing, BSNL Admin Building, Juhu Tara Road, Santacruz (West), Mumbai-400054.	Annexure-I & Annexure-III only
2.	Dy. CSTE/Co/CCG.	Western Railway; O/o PCSTE, S&T Dept., 5 <sup>th</sup> Floor, Station Building, Churchgate, Mumbai-400020.	Annexure-II only
3.	Jam Khambaliya Transco Limited;	Ramnath Society, Block No.2, Near Dwarkadheesh Haveli, Jamkhambhaliya, Devbhumi, Dwarka-361305, Gujrat	Copy for information

(Annexure-I)

CEA office case No: **GUVJ-804**  
 DET (PTCC) Office Case No: **2825**  
 Railway Office Case No:  
 Name of Power Line: **Extension of Essar Lakadial/Bhachau 400 KV DLC line up to Khambhaliya PS.**

Map Scale: 1 Cm=500 Meters  
 Route Length: **18.601** Kms  
 Soil Resistivity: **7,500** Ohm-Cm

Telecom Details from BSNL		Details from Power Company/Authori			
SI No.	Name of the Telecom Cable/Line	Length of Paramete r in Km	Mutual coupling in Ohms	Fault current in Amp	Induce Voltage Volts
1.	<b>Khambhaliya Exch</b>				
1A	Khambhaliya Exch to Nagar Gate 800 P x 4, 400 P x 2				} <b>IV less than 430V</b>
2A	Nagar Gate to G.B.G. High school 400 P x 1, 50 P x 4				
3A	G.B.G. High school to Seva Sadan 200 P x 1, 100 x 1, 50 x 2				
4A	Seva Sadan to Kamchamru 100 P x 1				
5A	Nagar Gate to Collector Residence 200 P x 1				
6A	Khambhaliya Exch to Bhanvad Patia 400 P x 2				
7A	" to Federal Bank 100 P x 1				
8A	" to Pamchvati 400 P x 1				
9	<b>Kajurda Exch</b>				
B	Kajurda Exch to Vadalia Sinhani 200 P x 1				
B	" to Azadhana Dham 50 P x 1				
B	" to ESSAR 50 P x 1				

*Tanuj*  
**TANUJ**  
 Asstt. Director-II  
 प्राधिकरण / C.E.A.  
 Ministry of Power  
 Govt of India  
 New Delhi

**ANNEXURE-II**

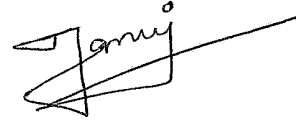
<b>Case No.: GUJ-804</b> <b>Name of the Power line:</b> Extension of 400 kV D/C (Tripple snowbird) Essar-Lakadiya/ Bhachau transmission line upto Jam Khambhaliya PS.			<b>Map Scale</b> : 1 cm=500 m <b>Total Length</b> : 18.601 km <b>S.R. Value</b> : 7,500 ohm-cm		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

Western Railway: SG.158/28/12 (1148)

Dated: 15.03.2021

**Affected Blocks & Telecom Circuits Details**

1	Modpur to Khambhaliya	5.7	0.0027	8952	24
2	Khambhaliya to Bhatel	Outside IV Consideration Zone			00



तनुज/TANUJ  
सहायक निदेशक-III/Asstt. Director-III  
केन्द्रीय विद्युत प्राधिकरण/C.E.A.  
विद्युत मंत्रालय/Ministry of Power  
भारत सरकार/Govt. of India  
नई दिल्ली/New Delhi-110006

Tele : 23019746

(Annexure-III)

Directorate General of Signals  
Signals 7  
General Staff Branch  
Integrated HQ of MoD, (Army)  
DHQ PO, New Delhi - 110011

B/46937/Sigs 7(b)/2105/

23 Oct 2020

✓ Jam Khambaliya Transco Limited  
Ramnath Society, Block No.-2,  
Near Dwarkadheesh Haveli, Jamkhambaliya,  
Devbhumi Dwarka-361305, Gujarat, India

**PTCC PROPOSAL OF EXTENSION OF ESSAR-LAKDIA/BHACHAU 400KV D/C (TRIPLE SNOWBIRD) LINE UPTO JAM KHAMBALIYA PS**

1. Ref your letter No JKTL/400KV/31 dt 27 Jul 2020 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheets received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.

(A Rawat)

Maj  
GSO 1 (Comn)  
for SO-in-C

Enclosures . As above

Copy to :-

The Director (PTCC), CEA  
Power Communication Development Division  
NRPC Complex, 18-A Shaheed Jeet Singh Marg  
Katwaria Sarai, New Delhi - 110016

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

for information