



भारत सरकार

Government of India विद्युत मंत्रालय Ministry of Power केन्द्रीय विद्युत प्राधिकरण Central Electricity Authority

विद्युतसंचारविकासप्रभाग

Power Communication Development Division

No.: CEA/PCD/ PTCC/UP-529 273-75

Date: 03.07.2020

Subject: PTCC proposal for 2nd circuit of 220 kV Baghpat -Baghpat transmission Line -regd.

Ref.: (i) UPPTCL Ref. No.768/ETD/BRT/220 kV

Dated: 03.06.2020

(ii) BSNL Ref. No. DET/PTCC/ND/DV-9707/UP-856/2019-2020

Dated: 01.07.2020

(iii) Northern Railway Ref. No.342-SIG/1/PTCC/2020-21/05/02

Dated:09.06.2020

The PTCC proposal submitted vide ref. (i) has been examined. The LF induction on telecom cables of BSNL and Block & Telecom circuits of Northern Railway with respect to details furnished vide above references (ii) and (iii) respectively has been computed. The Soil Resistivity (SR) value has been taken as 20,000 Ohm-cm. The voltages likely to be induced on paralleling telecom cables of BSNL and Block & Telecom circuits of Northern Railway under Single Line to Ground fault condition are enclosed at Annex-I and Annex-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 kindly take necessary action regarding issuance of provisional PTCC route approval for 2nd circuit of 220 kV Baghpat -Baghpat transmission Line.

Encl.: As above.

Upendra Kumar)

Openara Kumar) Chief Engineer

To,
The Divisional Engineer (Telecom), BSNL
PTCC O/o GM (North), Inspection Circle (T & D),
CTS Compound, Netaji Nagar, Africa Avenue, New Delhi – 110023.
Copy to:

MIC

- 1. General Manager/S&T, Northern Railway, Headquarter Office, Baroda House, New-Delhi-110001. (Annex-I only)
- 2. Executive Engineer, UPPTCL, 132 kV S/S Delhi Road, Baraut-250611

1'040 Na : UP- 529

<u>Аписките</u> ј

Nation of the Power Line: 2nd CKT of 220 KV (400 KV PGCIL)

Total Length : 23.566 Kms

Toposheet Scale : 1cm=500cms

Baghpot-Baghpat (220 KV, UPPTCL) Line S.R Value 1

St. No.	Name of Telesom Line	LOP in Kens	MC in Ohms	Fault Current (Amps) -	11 ::
BSNL	manager and participal to the control of the contro	The de the region of the server by the	angeneration in the experience of the confidence about the confidence of the confidence about the confidence of the conf	de transmit i kan maritta dati yang tagi yang mengani menambi mentangan menamban sebengan pengan pengan sebagai sebagai yang sep	karman nyan Kanan Kasasa ma
Kergrence	N ₁₀ .	Date			
* *	BSNL Details	ويوسون درد بالواهية سادات	e e removadorio de la capación de) Papini magani magana 1964 / 1964 - 1964	****
1	Beginpat TE to Canara bank 100 Pair (1 5 KM)		of Allertan Mills and Angella.	Company of the second s	
2	Baghpat TE to Rashtra vandana Chowk 400 pair (1.3 KM)			*****	
5	Bagnpat Te to PWD Guest House 100 Pair (2.5 KM	The second of the second	manufacture pr N = 'western a	Market Annual Control of State	
4	Rashtra vandana Chowk to Shiv mandir Chowk 50 pair (0.8 KM)	To the second section of the second section of the second section of the second section sectio	AND THE STATE OF THE PART WHEN PARTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY ADDRESS OF THE PART		TOPPON TO A SECTION
5	Rashtra vandana Chowk to Mahiia Thona Boglipat 20 pair (1.1 KM)	7	DV legs	than 4	30 Y
8	Rashtra vandana Chowk to Sugar mill Baghpat 100 pair (1.4 KM)		n Till og grængengen, af	Print Mind School And See Assessment Print See School See	•
* }	Sugar mili baghparto Baghu Road 20 pair (1 KM)		P 1 G 1 Wand Mark Mark 1 January and all	man a samu a	gress
8	New OM Office Collectorate paghpat 100 pair		general de la companya de la company		
	Taitiri TE to Mandi gate Taitiri 200 pair (1 3 KM)			The state of the s	** •
10	Mendi gate Taitri to Sarvodaya Hospital Taitri † 50 KM (1 1 KM)	of the parties and the second section of the second section is a second section of the second section	192	April 1990 September	

विद्या अभित्रता/Chich Engineer केन्द्रीय विद्युत प्राविकस्था/ विद्युत मंत्रातय/Ministry of भारत सरकार/Govt. of India नई दिल्ली/New Dell

				<u>A</u>	NNEXURE	<u>- II</u>
Name (o.: UP-529 of the Power Line: 2 nd circuit of 220 kV Baglet transmission Line.	hpat -	Route	Scale: 1 cm Length: 23. esistivity: 2	.566 km	m
S.No.	Telecom Details	Pa	Length of arallelism (in km)	Mutual Coupling (Ohms)	Fault Current (Amps)	Induce d Voltage (Volts)
	NORTHERN RAILWAY				**************************************	

	NORTHERN RAILWAY	RN RAILWAY				
	Ref. No: 342-SIG/1/PTCC/2020-21/05/02	DATED: 09.06,2020				
	Affected Blocks & Telecom Circuits Details			1,4	-	
1	Khekra R/S-Baghpat Road R/S	14.5	0.0103	6041	63	
2	Baghpat R/S- Baraut R/S	2.8	0.0011	8297	10	

UK 03.07.20

নুক্ত জানবানা/Chief Ecomest কৰাৰ মিন্তা প্ৰতিক্ষণ/C.E.A. Regn নিম্নান-/Ministry of Power দামল নিৰ্মান /Goyt. of India বৰ্ম দিকলা/New Dellii