

## भारत सरकार विद्युत मंत्रालय केन्द्रीय विद्युत प्राधिकरण पावर कम्युनिकेशन डवलप्मेंट प्रभाग

सं. के.वि.प्रा./पीसीडी/पी टी सी सी भी अ के | 53 | 235 4 - 57

दिनांक: 05 / 11 | 18

सेवा में, डीई थी, पीटी सिनी नाशिना जीना, आफ / अनाफ, (एन) निरीक्षन स्वित्स सी टी एस क्रम्यां क्रणड नेताडी नगर नई सिक्मी - 110023,

विषय - पी टी सी सी के सम्बन्ध में

महोदय,

उपरोक्त के सम्बन्ध में सामग्री संलग्न है।

संलग्नक : यथोपरी।

भवदीय, ने २ / / (नरेश भंडारी) मुख्य अभियंता

म्बनार्थः

1. जी एम (एरम उमेर भी) मार्थान रेलाले डेडक्टावर अमेफिर्स

विद्यान हायर न महिलाली

2. महानिहामालय रिम्बंबल, रिम्बंबल-में स्वामानम स्टाप, भारती, एमक्यू ऑप, एमओडी

3. महानिहामालय रिम्बंबल, रिम्बंबल-में स्वामानम १००॥

3. सहा, महादार्खां खांका, पीजीरमी उमारे एलं सी एलं सी एलं सी एलं सी हारामाला

जी हुने तन्निए अम्हमद् शाह, रवाटांजी ब्याग व्यारामाला





#### भारत सरकार

#### Government of India विद्युत मंत्रालय

Ministry of Power केन्द्रीय विद्युत प्राधिकरण

#### Central Electricity Authority पावर कम्युनिकेशन डवलप्मेंट प्रभाग

### Power Communication Development Division

No. CEA/PCD/ PTCC/J&K-53/2354-57

Date:05.11.2018

DET (PTCC), Northern Zone O/o PGM(N), Inspection Circle, CTS Compound, Netaji Nagar, New Delhi - 110023

PTCC Route Approval for 220 kV D/C Amargarh - Wagoora Transmission line

Reference:

- (i) BSNL letter no. DET/PTCC/ND/DV-9377/J&K-229/2018-19 dated 10.09.2018
- (ii) Northern Railway letter no. 342-SIG/1/PTCC dated 24.04.2018
- (iii) Defense letter no. B/46937/Sigs 7(b)/1055/ dated 25.07.2018

The low frequency induction on BSNL and Railway Telecommunication circuits as per details furnished vide above cited references (i) and (ii) respectively has been examined. The Average Soil Resistivity value has been taken as 10000 Ohms-cm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling BSNL Telecom Cables and Railway Telecommunication circuits under single line to ground fault condition are enclosed at Annex-I&II respectively. The screening factors as applicable have been considered. Defense has accorded NOC vide above Ref.(iii) for the above line (a copy enclosed at Annex-III).

Taking above into consideration, kindly take necessary action regarding issue of PTCC route approval.

Encl.: As above

(Naresh Bhandari)

olc

Copy to:

(i) GM(S&T), Northern Railway, Headquarter Office, Baroda House, New Delhi (Annex – II only)

(ii) Directorate General of Signals, Signals 7, General Staff Branch, Integrated HQ of MoD (army), DHQ PO, New Delhi – 110011

(iii) Asst.General Manager, PGCIL, T/L Office Baramulla, C/O Tanveer Ahmad Shah, Opposite Degree Collage (Boys), Khawaja Bagh, Baramulla, J&K - 193103

ANNEXURE - I

 Case No.: J&K-53

 Name of the Power Line :
 प्रानित्र स्केल : 1 सेमी=500 मीटर

 220 KV D/C Amargarh-Wagoora Transmission Line
 एस. आर. मान : 10,000 ओम- सेमी

क्रम		समानांतरीय	म्युचुअल	प्रभावी फाल्ट	प्रेरण
संख्या	टेलीकाम विवरण	लम्बाई	कप्लिंग	करंट	वोल्टेज
		( कि.मी)	(ओम)	( एम्पियर)	( वोल्ट)
		में	में	में	में

	Ref. No: DET/PTCC/ND/DV-9377/J&K-2		DATED: 10-09-		
1	Singhpora To Opulana	IV less than 430V			
2	Singhpora To Delina	2.4	0.0677	9246	626
3	Singhpora To Locality				
4	Wagura To Watergram				
5	Wagura To Kreeri				
6	Watergram To Kawchak				
7	Pattan Exchange To Nihalpora				
8	Pattan To Hyderbeigh				
9	Pattan Exchange To Pattan Rly Station		V less than 430	V	
10	Pattan To Locality	7			
11	Pattan To Bhat Mohalla				
12	Kakapora To Pingalgam				
13	Megam Exchange To Goigam				
14	Megam To Adina				
15	Adina To Makhama				
16	Adina To Badran				
17	Adina To Aripanthan	1.6	0.0947	6576	622
18	Aripanthan To Warihama	)			
19	Berwa To Arwa				
20	Arwa To Izgandarpora				
21	Berwa to Chewdara				
22	Berwa To Hayatpora	I	V less than 430	V	
23	Berwa To Atyuna				
24	Kremshore To Bagroo		0.0		
25	Kremshore To Drehgam		///		
			1 / / 1	Λ	
				_ //	
			/ / /	WI Engineer	
			मुख्य अभियन्ता/ केन्द्रीय विद्युत र	ference Character	
			रोग भवन	आर.के. प्रम.	
			Sowa Bhavis	n, R.K. Puram, New Delhi-66	
			नई दिल्ला-८३	new Deini-66	

ANNEXURE - II

Case No.: J&K-53

Name of the Power Line :

220 KV D/C Amargarh-Wagoora Transmission Line

मानचित्र स्केल : 1 सेमी=500 मीटर

**कुल लम्बाई** : 73 72 कि.मी. **एस. आर. मान** : 10,000 ओम- सेमी

क्रम संख्या	टेलीकाम विवरण	समानांतरीय लम्बाई (कि.मी)	म्युचुअल कप्लिंग (ओम)	प्रभावी फाल्ट करंट ( एम्पियर)	प्रेरण वोल्टेज ( वोल्ट)
		में	में	में	में

	Ref. No: 342-SIG/1/PTCC DATED: 24-04-20 Affected Blocks & Telcom Circuits Details				
	- Control of the cont				
	BARAMULLA - BANIHAL LINE				
1	BARAMULLA R/S - SOPORE R/S	1.5	0.0013	9514	12
2	SOPORE R/S - HAMRE R/S	5.6	0.0011	8710	10
3	HAMRE R/S - PATTAN R/S	7.9	0.0011	7638	8
4	PATTAN R/S - MAZHOM R/S	6.8	0.0017	6566	11
5	MAZHOM R/S - BADGAM R/S	8.9	0.0006	5100	3
6	BADGAM R/S - SRINAGAR R/S	Out side IV	calculation consideration zone		0
7	SRINAGAR R/S - PAMPORA R/S	1.7	0.0031	9316	29
8	PAMPORA R/S - KAKAPORA R/S	4.7	0.0168	8631	145
9	KAKAPORA R/S - AVANTIPURA R/S	0.5	0.0001	8351	1
			41		
			///		
			1 ///	1	
				_ //	
			1	/Chief Engine	r
			मुख्य अभियन	प्राधिकरण/C.E.	4
			केशा भवन	आर.के. पुरम	
			Sewa Bhaw	an, R.K. Pura	m,
			नई दिल्ला-व	M.Lw Delhi (	6

ANNEX-III

Tele: 23019746

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

B/46937/Sigs 7(b)/1055 /

25 Jul 2018

Power Grid Corporation of India Limited
T/L OFFICE BARAMULLA
C/O Tanveer Ahmad Shah Opposite Degree College(Boys)
Khawaja Bagh, Baramulla (J&K)193103

# PTCC CASE OF 220 KV D/C AMARGARH-WAGOORA TRANSMISSION LINE

- Reference your letter No N2Bla/KTS/TW02/PTCC/2018/431 dt 20 Mar 2018 (Copy att).
- 2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheet received under your letter mentioned above.
- 3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.

(A Rawat)

Mai

GSO 1 (Comn) for SO-in-C

Copy to :-

Central Electricity Authority
Power Communication Development Division
NRPC Complex,18-A, Shaheed Jeet Singh S Marg
Katwaria Sarai, New Delhi – 110016

- For information.