

20-Jul-22

To,

Shri Syed Tausif Abbas,

Advisor(Networks, Spectrum and Licensing),

TRAI(Telecom Regulatory Authority of India)

(Email: advmn@traigov.in)

Sub: Comments on Allotment of frequency spectrum to KRIDE similar to NCRTC requirement

Ref: Allotment of frequency spectrum to NCRTC for implementation of Train Control System for Regional Rapid Transit System – dt 30th June 2022

Rail Infrastructure Development Company(Karnataka) Limited – "KRIDE" is a Joint Venture Company established in year 2000 by Government of Karnataka (GoK) & Ministry of Railways (MoR). It has been created to boost "Rail Infrastructure Projects" in the state of Karnataka on the principle of cooperative federalism.

KRIDE is implementing 150 km greenfield Bengaluru suburban rail project (BSRP) in the city of Bengaluru in 4 corridors. As per Detailed Project Report (DPR), Communication Based Train Control (CBTC) signalling technology is recommended as a signalling and train control solution for the BSRP and Radio for CBTC shall work in license free ISM band. The design speed of train is 90 kmph and maximum inter-station distance is 4.905 km.

Currently all commercial CBTC projects are using the free ISM band (2.4 GHz and 5.8 GHz), we do not envisage any immediate requirement of dedicated frequency spectrum. However, CEWiT(Centre of Excellence in Wireless Technology) may kindly advise whether there will be any interference from other Wi-Fi sources and steps for mitigation.


(S.Nageswara Rao, IRSSE)
General Manager(S&T), KRIDE



भारतीय दूरसंचार विनियामक प्राधिकरण
TELECOM REGULATORY AUTHORITY OF INDIA
भारत सरकार / Government of India



1/10978/2022
No. C-15/2/(2)/2021-NSL-II
Date: 30th June 2022

To,
The Chief Secretary,
Government of Karnataka,
Vidhan Soudha,
Bengaluru
(Email: cs@karnataka.gov.in)

Subject: Allotment of frequency spectrum to NCRTC for implementation of Train Control System for Regional Rapid Transit System - reg.

The Department of Telecommunication (DoT) through their letter dated 29th November 2021 have informed TRAI that National Capital Region Transport Corporation (NCRTC) has requested DoT for allotment of spectrum for Train Control System for Regional Rapid Transit System (RRTS) being implemented by NCRTC in 8 rail corridors. DoT also requested TRAI to provide:

- (i) recommendations on administrative assignment of spectrum to NCRTC and the quantum, pricing / charging thereof and any other terms and conditions, for separate spectrum requirements of NCRTC in 700 MHz band
- (ii) Any other recommendations deemed fit for the purpose, including assignment of the same spectrum for other RRTS / Metro rail network pan-India.

2. In this regard, TRAI has released a Consultation Paper on 9th June 2022 wherein issues related to assignment of spectrum to NCRTC and other RRTS Metro/rail networks have been raised. Through this Consultation Paper, Comments and Counter Comments have been sought from the stakeholders by 7th July 2022 and 21st July 2022 respectively. The Consultation Paper is available on TRAI website (https://www.trai.gov.in/sites/default/files/CP_09062022.pdf) and is also enclosed for ready reference. *

3. It is understood that Ports / organizations under the administrative control of the State Government may be having interest in RRTS / Metro / Rail networks. Therefore, it is requested that this letter may be circulated to these organizations for their valuable Comments / Counter Comments on the issues raised. The Comments / Counter Comments may be directly forwarded to Shri Syed Tausif Abbas, Advisor (Networks, Spectrum and Licensing), TRAI on the email ID advmn@trai.gov.in for the consideration of TRAI. For any clarification/ information, he may be contacted at Telephone No. +91-11-23210481.

V. Raghunandan

(V. Raghunandan)
Secretary, TRAI

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