



रेलटेल कॉर्पोरेशन ऑफ़ इंडिया लिमिटेड ( भारत सरकार का उपक्रम )

RailTel Corporation of India Ltd. ( A government of India Enterprise)

[www.railtelindia.com](http://www.railtelindia.com)

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### **Press Release**

## **RailTel to Implement Tunnel Communication System in Dharam-Banihal Section of Jammu & Kashmir Rail Link**

**RailTel has been awarded this project costing Rs. 210.77 Crore by IRCON**

**RailTel had recently received Tunnel Communication order for Katra-Dharam Section for Rs. 89.60 Crore from Konkan Railway Corporation**

**RailTel now has tunnel communication project for the entire Katra- Banihal section for Rs. 297.67 crore**

**With J&K Rail link project, RailTel now has five tunnel communication projects of IR costing Rs. 350 Crore**

**Tunnel Communication is very crucial and essential for Tunnels dominated section of Katra-Banihal**

**Technology used is a first for Indian Railways: Mr. Chawla, CMD/RailTel**

RailTel, a PSU of Ministry of Railways has received an order of Rs. 210.77 Cr for installing state-of-the-art Integrated Tunnel Communication System in Dharam-Banihal section of ongoing crucial Jammu and Kashmir Rail link project aimed to connect the Kashmir valley with the rest of the country. The project would include Design, Supply, Testing and Commissioning of Tunnel Communication System consisting of Emergency Call & Service Telephone, CCTV, Tunnel radio and PA system in Tunnel Environment. RailTel has expertise to execute such high-tech modern projects for improving train operation as well as safety.

This section is a part of Katra – Banihal section of Firozpur Division of Northern Railway where railway connectivity work is going on in full swing. On this particular section of Dharam-Banihal, IRCON International Ltd., another PSU of Ministry of Railways is executing the project for railways. In other part of Katra-Banihal section namely Katra to Dharam, the rail connectivity project is being executed by another Railway PSU Konkan Railway Corporation Ltd. Earlier last month RailTel also bagged the work order for installing integrated Tunnel Communication project costing Rs. 86.90 Cr from Konkan Railway Corporation for their Katra-Dharam Section.

In this way, RailTel has now been entrusted with the implementation of tunnel communication project for the entire Katra- Banihal section at a total cost of Rs. 297.67 crore.

With this order, RailTel now has a total of five such projects for Implementation of Indian Railways costing Rs. 350 crore, namely Katra-Banihal section of Northern Railway, Panvel-Karjat, Karjat-Lonawala and Kasara-Igatpuri section of Central Railway and Castle Rock-Kulem section (Braganza Ghat) of South Western Railway.



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Communication inside the tunnels is interrupted due to poor signal coverage, which can hamper train operation & maintenance activities. This state-of-the-art Integrated Tunnel communication system is designed to provide uninterrupted radio communication between handheld radios inside tunnel, to the base station at tunnel control rooms and Station Masters of adjacent stations.

The handheld devices are provided to staff involved in construction/maintenance activities and train operations. The communication of all channels in the tunnel is independent, simultaneous and failure-free. Completion of this work will ensure safe and smooth running of trains inside the tunnels, on undoubtedly, one of the most difficult terrains of Indian Railway.

This tunnel communication project will achieve the continuous coverage over the entire length of the tunnel, clear audio though out with no interference, reliable system operation under harsh tunnel environmental conditions, trunked radio channels across many bands and ease of system operation and maintenance.

This Jammu & Kashmir rail project popularly known as USBRL (Udhampur -Srinagar - Baramulla Rail Link) is 272 km railway line and being implemented as a National Project. The sections from Jammu to Katra and Banihal to Baramulla have been built and are presently operational. The remaining intervening track from Katra to Banihal is under execution and is targeted for completion by next year. The Katra-Banihal section is 111 km long out of which 97 km rail line is to be laid in tunnels. Hence, the most effective and efficient tunnel communication is very crucial for the successful and smooth train operation on this section. The famous Chinab bridge, the tallest bridge of the world, is also being built on this Katra-Banihal section.

Talking about this, Shri Puneet Chawla, CMD/RailTel, said, "Tunnel Communication is a crucial part for overall train communication system and RailTel has expertise to execute it for improving train operations as well as safety. We will now implement this system on the entire Katra-Banihal section. We are already executing similar projects for Panvel-Karjat, Karjat-Lonawala and Kasara-Igatpuri section of Central Railway and Castle Rock-Kulem section (Braganza Ghat) of South Western Railway. The Technology being used in these projects is a first for Indian Railways. We are eyeing more similar projects and generating good revenue from these niche projects will not only help to diversify the work experience of RailTel but will also enable us to contribute towards Nation Building."

## **About RailTel**

RailTel a "Mini Ratna (Category-I)" Central Public Sector Enterprise, is one of the largest neutral telecom infrastructure providers in the country owning a Pan-India optic fiber network covering several towns & cities and rural areas of the country. Along with a strong a reliable network of 60000+ RKM of Optic fibre, RailTel has two MeitY empaneled tier III data centers as



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well. With its Pan India high-capacity network, RailTel is working towards creating a knowledge society at various fronts and has been selected for implementation of various mission-mode projects for

the Government of India in the telecom field. RailTel offers a bundle of services like, MPLS-VPN, Telepresence, leased line, Tower Co-location, Data center services etc. RailTel is also working with the Indian Railways to transform railway stations into digital hub by providing public Wi-Fi at railway stations across the country and total 6060+ stations are live with RailTel's RailWire Wi-Fi.

**For more details please contact-**

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