

Robust Long-Range Wireless Network

Enhances **Jharkhand**
Department of Posts
Connectivity

Jharkhand, India



CONNECTING YOUR WORLD

Introduction

The Department of Posts in Jharkhand required cost-effective, high-speed, and reliable network connectivity across 24 districts. Leveraging Wavesight's industrial-grade wireless transmission solutions, Sigma e-Solutions established robust point-to-point wireless links connecting BSNL telephone exchanges with postal offices. This wireless network enabled seamless bandwidth connectivity essential for effective government communications.

The Challenge

- Providing network connectivity to widely located postal offices without extensive fiber deployment.
- Overcoming environmental and geographic challenges in Jharkhand's diverse terrain.
- Deploying a scalable, resilient wireless network capable of continuous operations under critical government service demands.

The Solution

- Deployment of Wavesight's point-to-point wireless radios, engineered for high-capacity and secure government communications.
- Establishment of reliable wireless links between BSNL telephone exchanges and postal locations across 24 districts.
- Network designed with redundancy and automatic failover to ensure uninterrupted connectivity even in challenging conditions.

Results & Benefits

- Reliable, high-bandwidth wireless connectivity enhanced operational efficiency at postal offices throughout Jharkhand.
- Wireless network alternative to costly fiber optic infrastructure reduced deployment costs and enabled faster installation.
- A scalable and resilient infrastructure that supports future government network modernization and expansion.

Conclusion

Wavesight's industrial wireless transmission solutions were instrumental in enabling Sigma e-Solutions to provide the Department of Posts in Jharkhand with a secure, scalable, and reliable network infrastructure. This project underscores Wavesight's leadership in delivering advanced wireless networking solutions tailored to large-scale government applications.