



WAN Link Performance & Strategy Report

****Location:**** Jammu CFA, Jammu
****Vendor:**** BHARTI AIRTEL LIMITED
****Link Type:**** DBB
****Business Hours:**** 09:00–18:00
****Provisioned Speed:**** 100.0 Mbps

1. Usage Pattern Analysis

The 100 Mbps link is profoundly underutilized, with average usage at only 0.1% of its capacity. While traffic is higher during business hours, it remains minimal. Analysis shows an isolated, momentary peak of 84 Mbps, but this is a rare anomaly, not a regular pattern. Sustained usage is extremely low; 99% of the time, traffic is below 1.64 Mbps, and the overall usage trend is stable with a slight decline.

2. Capacity Planning Recommendations

This link is significantly over-provisioned. A substantial downgrade is recommended to align costs with actual demand. Based on sustained peak usage, the following options are presented:

- ****Conservative:**** 5 Mbps
- ****Balanced:**** 2 Mbps
- ****Aggressive:**** 1 Mbps

A revised provisioning target of ****5 Mbps**** is recommended to provide ample headroom over typical peaks while optimizing costs.

3. Performance Risks & Bottlenecks

There is currently no risk of network congestion. The observed 84 Mbps peak was an infrequent burst that did not breach the provisioned capacity. This type of momentary activity does not justify provisioning at 100 Mbps given the extremely low baseline usage.

Conclusion

The link is severely over-provisioned; recommend downgrading from 100 Mbps to a ****5 Mbps**** plan to achieve significant cost savings without impacting performance.

Visual Insights

