



Network Performance & Capacity Report

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

1. Usage Pattern Analysis

The 100 Mbps link is severely underutilized, with average usage below 1% of its total capacity. While traffic is higher during business hours, it remains minimal. The overall usage trend is stable with no projected growth. The vast majority of the time, the link is effectively idle.

2. Capacity Planning Recommendations

This link is significantly over-provisioned. Based on sustained usage patterns, a much lower bandwidth plan would be more cost-effective without impacting performance. We recommend rightsizing the circuit with a balanced approach.

* ****Conservative:**** 0.6 Mbps
* ****Balanced (Recommended):**** 1 Mbps
* ****Aggressive:**** 286 Mbps

3. Performance Risks & Bottlenecks

Despite low average use, the link experiences rare but extreme bursts, with peak usage recorded at over 250% of the provisioned speed (259 Mbps). These brief spikes indicate a potential misconfiguration or reliance on vendor burst tolerance, creating a risk of packet loss and service degradation during those moments.

Conclusion

The circuit should be downgraded to better align with actual usage; a ****1 Mbps**** plan is recommended.

Visual Insights

