



## WAN Link Performance & Sizing Report

**\*\*Location:\*\*** Faridabad\_Watches-CFA, Faridabad

**\*\*Vendor:\*\*** BHARTI AIRTEL LIMITED

**\*\*Link Type:\*\*** DBB

**\*\*Business Hours:\*\*** 09:00–18:00

**\*\*Provisioned Speed:\*\*** 100.0 Mbps

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### 1. Usage Pattern Analysis

This link is significantly underutilized, with an average usage of only 3.09 Mbps (3.1%) against its 100 Mbps capacity. As expected, traffic is heavier during business hours (averaging 5.99 Mbps). The link exhibits stable usage with no significant growth trends. However, analysis reveals rare but extremely high bursts, indicating irregular, short-lived traffic spikes that need investigation.

### 2. Capacity Planning Recommendations

The current 100 Mbps circuit is severely over-provisioned for current needs. Based on a 95th percentile usage of 11.38 Mbps and a sustained daily peak average of 17.28 Mbps, we recommend right-sizing the link.

- **\*\*Conservative:\*\*** 13.7 Mbps
- **\*\*Balanced (Recommended):\*\*** 17 Mbps
- **\*\*Aggressive:\*\*** 2350 Mbps (skewed by anomalous peaks)

A revised provisioning of **\*\*20 Mbps\*\*** is suggested to accommodate sustained peaks and future growth.

### 3. Performance Risks & Bottlenecks

While the link performs well 99.9% of the time, it experienced 22 minutes of congestion (>90% usage). A recorded peak of 2136.67 Mbps far exceeds the physical capacity and likely indicates a data reporting error or a traffic burst misconfiguration that warrants further technical review.

### Conclusion

The link is heavily over-provisioned and should be downgraded to a **\*\*20 Mbps\*\*** circuit to optimize costs while safely accommodating all legitimate traffic patterns.

## Visual Insights

