



## WAN Link Performance & Capacity Report

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

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### 1. Usage Pattern Analysis

The 100 Mbps link is profoundly underutilized, with average usage at only 0.3% of its provisioned capacity. While traffic is 8x higher during business hours, sustained usage remains extremely low. The recorded peak of 3778 Mbps is an anomalous data error; however, the link does experience rare, high-intensity bursts that briefly exceeded 90% capacity for a total of 6 minutes, indicating occasional large data transfers.

### 2. Capacity Planning Recommendations

The link is severely over-provisioned. Based on a 95th percentile usage of just 0.70 Mbps, a significant downgrade is warranted to align costs with actual need.

- **\*\*Provisioning Strategy:\*\*** Conservative (0.8 Mbps), Balanced (1 Mbps), Aggressive (4156 Mbps, based on flawed data).

We strongly recommend adopting the **\*\*Balanced 1 Mbps\*\*** plan.

### 3. Performance Risks & Bottlenecks

Overall performance is excellent, with 99.98% SLA compliance. The primary risk is not sustained traffic but unpredictable, high-volume bursts that can momentarily saturate the circuit. While the extreme peak value is a reporting error, the fact that the 90 Mbps threshold was breached confirms these bursts are a characteristic of the link's traffic profile that should be monitored.

### Conclusion

This link should be immediately downgraded from 100 Mbps to a **\*\*1 Mbps\*\*** plan to achieve significant cost savings while comfortably supporting validated usage patterns.

## Visual Insights

