



Network Performance & Capacity Report

Location: Faridabad_Watches-CFA, Faridabad

Vendor: TATA COMMUNICATIONS LIMITED

Link Type: ILL

Business Hours: 09:00–18:00

Provisioned Speed: 10.0 Mbps

1. Usage Pattern Analysis

The 10 Mbps link is profoundly underutilized, with average usage at only 0.4% of its provisioned capacity. Usage remains stable and flat, with no significant difference between business and off-hours. The data shows a consistent, low-level traffic pattern with no growth trend, indicating that current operational needs are minimal.

2. Capacity Planning Recommendations

This link is severely over-provisioned. Sustained usage (95th percentile) is only 0.08 Mbps. Based on this, we recommend rightsizing the circuit. A three-tier provisioning strategy suggests:

* **Conservative:** 0.1 Mbps

* **Balanced:** 0 Mbps

* **Aggressive:** 17 Mbps

We recommend a significant downgrade, as even the conservative plan is less than 1% of the current provisioned speed.

3. Performance Risks & Bottlenecks

A single, anomalous burst of traffic reached 15.61 Mbps, briefly exceeding capacity. However, this was an isolated incident, with the link remaining below 90% utilization for 99.99% of the time. There is no evidence of recurring congestion or performance bottlenecks.

Conclusion

The link should be downgraded to the lowest commercially available tier (e.g., 1 or 2 Mbps) to align with actual usage and generate significant cost savings.

Visual Insights

