



## Subject: Bandwidth Performance & Recommendation Report: CPV-Tanishq Store, Chennai

**\*\*Location:\*\*** CPV-Tanishq Store, Chennai  
**\*\*Vendor:\*\*** ACT FIBERNET  
**\*\*Link Type:\*\*** DBB  
**\*\*Business Hours:\*\*** 09:00–18:00  
**\*\*Provisioned Speed:\*\*** 1000.0 Mbps

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### 1. Usage Pattern Analysis

Analysis of the 1000 Mbps link reveals extremely low utilization, with average usage at less than 1% of its provisioned capacity. While traffic is higher during business hours, it remains minimal. The network experiences occasional, brief traffic bursts that peak at 225.71 Mbps, but these are infrequent and do not represent sustained demand. Overall, the link is consistently under-utilized.

### 2. Capacity Planning Recommendations

The link is significantly over-provisioned for current needs. Based on sustained usage, where 95% of all traffic requires only 1.52 Mbps, we recommend right-sizing the circuit.

- **\*\*Conservative:\*\*** 1.8 Mbps
- **\*\*Balanced (Recommended):** 2 Mbps
- **\*\*Aggressive:\*\*** 248 Mbps

The balanced 2 Mbps plan safely covers current peaks and includes a buffer for near-term growth.

### 3. Performance Risks & Bottlenecks

There are no performance risks. With peak usage remaining below 23% of capacity and zero instances of congestion, the risk of bottlenecks or service degradation is negligible. The link consistently operates within the "Excellent" SLA classification.

### Conclusion

We recommend downgrading this link to a **\*\*2 Mbps\*\*** plan to align provisioning with actual usage and realize significant cost optimization.

## Visual Insights

