

Category Page Validation Report

Status: ● CRITICAL

SUCCESS RATE

1.41%

AVG LATENCY

6187.2ms

P95 LATENCY

9999.2ms

TOTAL REQUESTS

142526

Endpoint Breakdown

Endpoint	Median	P95	Success Rate
/category/international	5826.9ms	9607.1ms	100.0%
/category/bangladesh	3828.5ms	9416.8ms	100.0%
/category/sports	3395.5ms	9416.8ms	100.0%

Full Text Summary

HelloBD NEWS: CATEGORY WISE LOAD TEST REPORT

OVERALL STATUS: ● CRITICAL

REPORT GENERATE DATE: February 18, 2026

1. TEST DETAILS & METHODOLOGY

The test simulated a progressive load on the category pages with 9 defined phases:

- Warmup: 30s, 100 users/sec
 - Push: 30s, 150 users/sec
 - Hard Push: 30s, 250 users/sec
 - Overload: 30s, 350 users/sec
 - Extreme: 30s, 500 users/sec
 - Brutal: 30s, 650 users/sec
 - Savage: 30s, 800 users/sec
 - Catastrophic: 30s, 900 users/sec
 - Max Load: 30s, 1000 users/sec
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- ****Total Duration:**** 550 Seconds
 - ****Average Request Rate:**** 15558 requests every minute
 - ****Total Traffic Volume:**** 142526 Total Requests

2. VISITOR SUCCESS & FAILURE BREAKDOWN

Network traffic analysis results:

- ****SUCCESSFUL ENTRANCES:**** 2015 (1.41% of all visitors)
- ****FAILED ATTEMPTS:**** 140511 (98.59% of all visitors)
- ****DAILY PROJECTION:**** Based on current traffic patterns, if this load continues for just 1 hour, potential visitor loss would exceed 920155.

3. LOSS CALCULATION BY SITE SECTION

Failure rate analysis by category:

- ****/CATEGORY/INTERNATIONAL:**** 0.0% Failure Rate (9607.1ms Tail Latency)
- ****/CATEGORY/BANGLADESH:**** 0.0% Failure Rate (9416.8ms Tail Latency)
- ****/CATEGORY/SPORTS:**** 0.0% Failure Rate (9416.8ms Tail Latency)

Observation: There is noticeable stress on certain endpoints as load increases.

4. PROBLEM IDENTIFICATION (ANALYSIS)

Server response time analysis:

- ****Speed Test:**** The median response time was ****6187.2ms****.
- ****Stress Test:**** The P95 (slowest 5%) reached ****9999.2ms****.
- ****Observation:**** The server is returning some errors under pressure.

5. CALCULATED CAPACITY LIMITS

Operational zones based on test data:

- ✓ **SAFE ZONE:** Up to 207.4 Requests Per Second.
- ⚠ **WARNING ZONE:** Over 259.3 Requests Per Second.

6. RECOMMENDED FIXES (ACTION PLAN)

1. Ensure the category pages are properly cached at the Edge (CDN).
2. Monitor database query execution times for category filters.
3. Consider horizontal scaling if arrival rates exceed 50 users/sec.