

Category Page Validation Report

Status: [CRITICAL] CRITICAL

SUCCESS RATE

0.45%

AVG LATENCY

4316.6ms

P95 LATENCY

9999.2ms

TOTAL REQUESTS

141501

Endpoint Breakdown

Endpoint	Median	P95	Success Rate
/category/international	3464.1ms	9801.2ms	0.4%
/category/bangladesh	4147.4ms	9801.2ms	0.5%
/category/sports	3905.8ms	9801.2ms	0.5%

Full Text Summary

HelloBD NEWS: CATEGORY WISE LOAD TEST REPORT

OVERALL STATUS: [CRITICAL] CRITICAL

REPORT GENERATE DATE: February 19, 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:** 280 Seconds
 - **Average Request Rate:** 30270 requests every minute
 - **Total Traffic Volume:** 141501 Total Requests

2. VISITOR SUCCESS & FAILURE BREAKDOWN

Network traffic analysis results:

- **SUCCESSFUL ENTRANCES:** 634 (0.45% of all visitors)
- **FAILED ATTEMPTS:** 140867 (99.55% of all visitors)
- **DAILY PROJECTION:** Based on current traffic patterns, if this load continues for just 1 hour, potential visitor loss would exceed 1807932.

3. LOSS CALCULATION BY SITE SECTION

Failure rate analysis by category:

- **/CATEGORY/INTERNATIONAL:** 99.6% Failure Rate (9801.2ms Tail Latency)
- **/CATEGORY/BANGLADESH:** 99.5% Failure Rate (9801.2ms Tail Latency)
- **/CATEGORY/SPORTS:** 99.5% Failure Rate (9801.2ms 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 **4316.6ms**.
- **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 403.6 Requests Per Second.
- ****WARNING ZONE:**** Over 504.5 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.