

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)

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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.