eGov Application Performance Test Approach

**Non-Functional Requirements:**

TBD

**Test Plan:**

**Test Script Design:**

We have identified total 8 functionalities in the eGov application, in which we need to identify the Business-critical scenarios.

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| **eGov Functionalities** |
| Collect Payments  + |
| Download Bills & Receipts |
| Add Expense Record |
| Update Expenses |
| Generate Demand |
| Create Consumer |
| Update consumer details |
| GPWSC Dashboard |

We have started with the test script designing for the business workflows using JMeter tool.

Required the Test data details (Example: User logins, unique data, or re-usable data.

Need the user load distribution list across the business-critical scenarios.

Total Transaction volume to achieve in the duration, to define the Workload model.

As we don’t have any baseline for the application, we are going to define the baseline and benchmark the application scalability.

**Target Test executions:**

Baseline Testing

Incremental Load Test

Stress testing

**Server Monitoring:**

Need the support from the application team to monitor the servers and share the Monitoring reports post Test execution.

**Reporting:**

We are going to share the Detailed test report, including Transaction Response times, throughput, Hits per second, errors, Test Summary.