



## **PROJTRAC M&E SOFTWARE INSTALLATION/HOSTING REQUIREMENTS**

**DOCUMENT/APPLICATION OWNER: PROJTRAC SYSTEM LIMITED**

**DOCUMENT/APPLICATION END USER: COUNTY GOVERNMENT OF UASIN GISHU**

### **THE FOLLOWING DETAILS ARE NEEDED FOR HOSTING REQUIREMENTS**

The following are the minimum requirements to install the Projtrac Monitoring and Evaluation System:

#### **1. Dedicated Installation (On Premises)**

If the county opts to purchase a Dedicated Edition to be installed on the county's server infrastructure, then the following hardware and software requirements for hosting the system are required:

##### **1. Processing Power:**

**Database Server:** 2.20GHz 16 processors

**Web Server:** 2.20GHz 16 processors

**Instrument Server:** 2.20GHz 16 processors

**Application Server:** 2.20 GHz 16 processors

##### **2. Memory Size:**

**Database Server:** 96 GB RAM and Above

**Web Server:** 96 GB RAM and Above

**File Storage Server:** 96 GB RAM and Above

### 3. Storage Size:

**Database Server:** 500 GB and Above HDD

**Web Server:** 50GB and Above

**Media and Other Files Storage Server:** 20 Terabyte and Above HDD

**Backup Server:** 20 Terabyte and above HDD

### 4. Internet Bandwidth:

**Between Database and Application Server:** Latency <1ms

**Wide area Network (WAN) deployment:** Average Latency <130ms (above this and WebLIMS shall struggle)

### 5. Operating System and Other Required Applications:

- **Servers:** Linux (Ubuntu 20.04.2 LTS and above) is recommended for Projtrac M&E System, also can work on Windows Server, preferably 2016 and Above.
- **Web Server:** Apache (Recommended) Projtrac M&E System will work on Apache 2.x hosted on UNIX/Linux, OS X, or Windows.  
**Apache Web Server:** Port 80 in the Web Server, port range from 5000 – 7000 for Web Clusters
- **Database Server (DB Management System):** *MySQL 8.0.30 and above*
- **PHP 7.4.3 and above**