

**EQUITY BACKUP CALL-OUT REPORT**

5th MARCH 202

**1. Site Details**

Site: Equity Bank Nyeri Branch

Region: Central

Contact:

**2. Equipment on Site on arrival**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Equipment | Quantity | Serial Number | Equity Tag Number | Status |
| Victron Inverter 1.6kVA/24v | 1 |  | EQ346235 | Functional |
| Lead Acid Batteries (12v 200Ah) | 2 | N/A | N/A | Faulty |
| AVS 30A | 1 | N/A | N/A | Functional |

**3. Job Description**

Check why the backup system is not providing continuous power during transition from KPLC mains to generator power. Also investigate reported low voltage issues during midday operations.

**4. Actions taken and Findings**

After a complete check of the power system, here's what was found:

1. Power loss simulation was conducted and the backup system was able to support the connected loads.
2. The issue of network outage wasn’t related to clean power backup setup. Network personnel should visit the branch to troubleshoot the issue.

**5. Recommendations**

To ensure equipment uptime a centralized power backup system should be installed. This setup will be comprised of:

* 3 Growatt 5KW inverters
* 2 Megatank 5KWH lithium batteries
* Suntree 63A AVS.
* Geya 63A ATS.

**6. Photos**

|  |  |
| --- | --- |
| Figure 1: Image of backup system setup | Figure 2: Image of the inverter on charging mode |
| Figure 3: Image of the inverter on battery mode |  |