

1. Access & Installation of FAB-GIS Mobile Application (Pre-Login)

Officials shall access FAB-GIS through www.gisfab.kerala.gov.in using a **mobile device browser**.

Login using the respective **KCIS User ID and Password**. After login, navigate to the **top right profile icon**, open the dropdown menu, and select **“Download Mobile Application.”** Download and install the application on the same mobile device.

During installation, **all permissions (location, camera, storage, etc.) must be granted** to ensure full functionality, including geo-tagging, inspections, and emergency reporting.

Note: The download and installation shall be performed strictly through the **mobile browser itself**. Installation via desktop download and file transfer is not recommended and may lead to functionality issues.

2. Login to FAB-GIS Mobile Application

After installation of the **FAB-GIS Mobile Application**, open the app on the mobile device.

Login using the respective **KCIS User ID and Password**. Upon successful authentication, the user will be directed to the application home screen.

All required permissions (such as location, camera, and storage) must have been granted during installation to ensure proper functioning of the application features.

3. Dashboard Counters – Interpretation

After login to the **FAB-GIS Mobile Application**, the Home Screen displays separate dashboards for **Factory** and **Boiler**.

Factory Dashboard

- **Jurisdiction**
Indicates the total number of factories under the officer’s jurisdiction, including both **active (live)** and **suspended** factories.
- **Assigned**
Represents the total number of factories assigned for inspection, which includes:
 - Factories within the officer’s jurisdiction, and
 - Factories assigned through **KCIS inspections outside jurisdiction (away jurisdiction)**.
- **Inspected**
Indicates the number of inspections completed through FAB-GIS **out of the total inspections scheduled in KCIS for the current month** (e.g., 0/14).

Boiler Dashboard

- **Jurisdiction / Assigned / Inspected**

These values represent the total number of **boilers under the officer's own divisional jurisdiction** and their inspection status.

(Unlike factories, no separate “away jurisdiction” concept applies here.)

Additional Functionality

- Clicking any dashboard tile (**Jurisdiction / Assigned / Inspected**) will open the **detailed list of respective factories or boilers** in a new screen for further action.

4. Selection of Factory for Inspection

To select a factory for inspection in the **FAB-GIS** Mobile Application:

- Select the **current Month and Year** from the field provided.
- Click on “**Select Factory.**”
- A dropdown list of factories (as per **KCIS scheduled inspections**) will be displayed.
- Choose the required factory from the list.

Upon selection, the **Factory Details Page** will open for further inspection actions.

5. Search for a Factory (For Viewing Details)

To search and view details of a factory (other than inspection) in the **FAB-GIS** Mobile Application:

- Click on the “**Jurisdiction**” or “**Assigned**” tile on the dashboard.
- The complete list of factories will open in a new screen.
- Use the **search field** to locate the factory by name.
- Select the required factory from the list.

Upon selection, the **Factory Details Page** will display comprehensive information, including:

- Basic details: Name, address, registration details, power, plinth area
- Location details: Village, Taluk, District, Division, Local Body
- Occupier and contact details (if available)
- Inventory details: PPE, Fire Fighting Equipment (FFE), Medical/Health/Welfare Facilities (MHWF)
- Hazard details: Hazardous/Toxic Chemicals (HTC), Flammable Substances (FMS)
- Records: SOS (emergency reports), accidents, and inspection history

This feature enables full access to factory information for verification and regulatory purposes.

6.Attendance Marking (Factory Inspection)

After selecting a factory, the **Factory Details Page** will open in the **FAB-GIS** Mobile Application.

Scenario 1: Factory Already Geotagged

- The **“Punch In”** option will be available under *Attendance Marking*.
- Click **“Punch In”** to mark attendance.
- Attendance will be recorded successfully.

Scenario 2: Factory Not Geotagged

- A message will be displayed:
“Location not mapped with factory – Update factory location.”

Steps to Geotag and Mark Attendance:

1. Click **“Update.”**
2. The **Geo-Tag Page** will open.
3. Enter:
 - Occupier’s current **Email ID**
 - **Mobile Number**
 - **WhatsApp Number**
4. Click on **“Image”** and capture a photograph of the factory (*preferably showing the name board at the entrance*).
5. The system will automatically capture the **geo-coordinates**.
6. Click **“Submit.”**

After submission, the app will redirect to the previous screen.

- The **“Punch In”** option will now be enabled.
- Click **“Punch In”** to complete attendance marking.

7.Adding / Updating Factory Inventory Details

After **Geo-tagging (if required)** and **Punch In**, inventory modules will be available on the Factory page in the **FAB-GIS** Mobile Application.

Available Inventory Modules

- **PPE** – Personal Protective Equipment
- **FFE** – Fire Fighting Equipment
- **MHWF** – Medical, Health & Welfare Facilities
- **HTC** – Hazardous & Toxic Chemicals
- **FMS** – Flammable Substances

(Other tiles: **SOS** – emergency reporting, **Accident** – accident history, **Inspection** – inspection history)

Procedure to Add / Update Inventory

- Click the required module (e.g., **PPE**).
- Existing entries (if any) will be displayed; otherwise, it will show no data.
- Click the “+” (**Add**) icon at the top right.
- Select:
 - **Category**
 - **Item**
 - Enter **Quantity**
 - Select **Unit**
- Click “**Add**” to include multiple items (if required).
- Finally, click “**Submit**” to save the entries.

Note

The same procedure applies for all inventory modules (FFE, MHWF, HTC, FMS).

8.Reporting an Emergency (SOS) – Factory/Boiler and Further Action to be taken on Reported Emergency

To report an emergency in a factory using the **FAB-GIS** Mobile Application:

Procedure

- Select the required **factory**.
- Click on the “**SOS**” tile.
- Select “**Report Emergency.**”
- Choose the **Emergency Category**.
- Verify the **Date & Time** (*auto-filled; modify if required*).
- Enter **Remarks** (*optional*).
- Click “**Submit.**”

System Action

- The emergency will be **instantly reported**.
- Alerts will be triggered to concerned officers and control room via: **SMS, WhatsApp, and Voice Calls**.
- Upon **verification by the Control Room**, confirmation alerts will be escalated to:
 - Internal officers
 - External emergency response departments

Closure of SOS

- The jurisdictional inspector shall open the alert via the **notification (bell) icon** on the home screen.
- Conduct the **inspection** and submit findings through the app.
- Upon submission, the **SOS will be closed**.

Post-Closure Action

Further **accident investigation, reporting, and prosecution procedures** shall be carried out through **FABOS and other administrative systems**.

9. Inspection Tab – Factory

In the **FAB-GIS** Mobile Application, clicking the “**Inspection**” tile on the factory page will display the **historical list of inspections** conducted for that factory.

Selecting any inspection entry will provide:

- **Date of inspection**
- **Inspecting officer details**
- **Inspection report and related documents** (*available for viewing and download*)

This section serves as the **complete inspection history** of the factory for reference and verification.

10. Accident Tab – Factory

In the **FAB-GIS** Mobile Application, clicking the “**Accident**” tile on the factory page will display the **history of reported accidents** for that factory.

Selecting any accident entry will provide:

- **Date of accident**
- **Dates of preliminary and detailed investigations**
- **Investigating officer details**
- **Form 18 / 18A**
- **Accident investigation reports**– *Preliminary & Detailed*
- **Related documents** (*available for viewing and download*)

This section serves as the **complete accident history and investigation record** of the factory.

11. Selection of Boiler

To select a boiler in the **FAB-GIS** Mobile Application:

- On the Home Screen, select the “**Boiler**” tab.
- The Boiler Dashboard will display **Jurisdiction / Assigned / Inspected** (all represent the **total boilers under the division**).
- Click any tile to open the **list of boilers**.
- Select the required boiler from the list.

The **Boiler Details Page** will open, displaying complete information for further action.

12.Boiler Geo-Tagging & Emergency Reporting w.r.t Boiler

In the **FAB-GIS** Mobile Application, the procedures are **same as for factories**:

- **Geo-tagging of boiler:** Same procedure as factory geo-tagging.
- **Emergency (SOS) reporting:** Same procedure as factory SOS reporting.

13.Processing a Reported Emergency (Boiler)

In the **FAB-GIS** Mobile Application, the procedure is **same as for factories**:

- Open the alert via the **notification (bell) icon**.
- Conduct inspection and submit details.
- SOS will be **closed upon submission**.

Further investigation and administrative actions shall be carried out through **existing administrative procedures**.