
Soil Health Card Offline Application

Department of Agriculture, Cooperation and Farmers Welfare
Ministry of Agriculture and Farmers Welfare
Government of India

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Project Execution by

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1. About the App

Chrome based Offline Application has been developed for Soil Health Card Portal for offline entry of sample details and Test Results. Soil Health Card offline app facilitates registration of soil samples, collected at farm fields, entry of test results of 12 parameters of soil and send this information to the national Soil Health Card Portal. It is useful where network connectivity is challenge. Registration requires entry of essential details about Farmer, his Land holdings, crops for which recommendations are sought and fertilizers available or required to improve the health of the soil.

Features:

- Sample registration in offline mode. Uploading the data as and when network connectivity is established.
- Test results entry of 12 soil parameters in offline mode. Uploading the data as and when network connectivity is established.
- Synchronization with the latest master data with a single click as and when network connectivity is available.
- Downloading the uploaded samples in csv/ excel format.
- Very useful in areas with poor network connectivity.
2. Installation Process

Soil Health Card Offline Application can be downloaded from Home Page of Soil Health Card portal (http://soilhealth.dac.gov.in). It is available as SHC Offline Application in Download section on Home Page.

Pre-requisite: Chrome browser must be installed before initiating the installation the application. Version should be 62.0.3202.94 or above.

a) Chrome Version 64.0.3282 or lower

For Chrome version 64.0.3282 or lower, installation can be done using the below steps.

1) Download and unzip shc-app.zip.
2) Go to Chrome -> settings OR type chrome://settings/ OR chrome://extensions/ in folder browser window.
3) Select extensions from left side bar
4) Click Load Unpacked Extension and browse to unzipped shc-app folder. Click Open, app will be installed in Chrome browser.
5) Click **Launch** link to open and start the Soil Health Card offline application.
b) Chrome Version Chrome Version 64.0.3282 Above

For Chrome version above 64.0.3282, installation can be done using the below steps.

1) Download and unzip shc-app.zip.
2) Go to Chrome -> settings OR chrome://settings/ OR chrome://extensions/
3) Select extensions from left side bar
4) Click Load Unpacked Extension, locate shc-app folder and click Open, app will be installed in Chrome browser.

5) Open new tab and type chrome://apps . A new page will open
6) Click on Soil Health Card Application to Launch the App. (You can also save shortcut of the Application)
3. Welcome Section

\textit{a)} Welcome Page
b) Login Page

You can login into the Chrome application with the same credentials used in soil health portal (http://soilhealth.dac.gov.in) or mobile app.

![Login Page](image)

Figure – 8

4. Sample Registration Page

There are four main sections in the Soil Health Card sample registration form – Farmer details, Land details, Crop details and Fertilizer details. In order to store the Sample, user must have to fill the Farmer and Land details. Crop and Fertilizer details are optional. Final submit button will only be activated once user will fill Farmer and Land details. Click on Farmer Details.

a) Add/ Edit/ View Farmer Details:
In Farmer detail section Farmer name, village, latitude, longitude, cycle, gender are Mandatory fields, other fields are optional. User can also fill the name in their regional language like Hindi, Gujarati, Punjabi etc. (Figure - 10)

Language selection option

Farmer Name and Father Name can be entered in local language after using the following steps.

1- Click on SELECT LANGUAGE Button.
2-After this a popup will come
2-Select Language from Dropdown (Figure 12)
4-Type in given textbox using English alphabet in Keyboard (Figure 13)
5-Then Click OK

Figure – 10

Figure – 10A
### Figure – 10B

**Soil Health Card Offline Application – User Manual**

#### Figure – 10B

**Farmer Details**

<table>
<thead>
<tr>
<th>No. of farmers in a grid*</th>
<th>2</th>
</tr>
</thead>
</table>

**Cycle**

- 2015-16 to 2016-17

**Farmer Sr. No. :** 1

- **Click here to set sampling date:**
- **Date of sample:** 20-04-2016 14:33:19

- **Click here to set receipt date:**
- **Date of data entry:** 20-04-2016 14:33:19

**Father name**

- Angur Singh

**SELECT LANGUAGE**

<table>
<thead>
<tr>
<th>Father name</th>
<th>Father Name in local language</th>
<th>Category/Category</th>
</tr>
</thead>
</table>

**Parent name**

<table>
<thead>
<tr>
<th>Father name</th>
<th>Father Name in local language</th>
<th>Category/Category</th>
</tr>
</thead>
</table>

**Select local language to submit farmer name**

- Hindi
- Kannada
- Malayalam
- Marathi
- Tamil
- Telugu

**State**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maharashtra</td>
<td>Trombayara</td>
</tr>
<tr>
<td>Delhi</td>
<td>New Delhi</td>
</tr>
<tr>
<td>Kanyakumari</td>
<td>Madurai</td>
</tr>
</tbody>
</table>

**Figure – 10B**
Edit and View

User can switch between Edit and View mode to verify and modify the data which he/she has entered.

Add Farmer Details for composite sample

To add multiple farmers in a grid for which sample is collected, you must fill “Number of farmers in Grid” text field as shown in Figure 13. Click on add Composite (+) Button on dashboard to add another farmer in same sample as shown in Figure - 14. In this case you will find some fields are pre-populated.
by fetching details from the main farmer information like Cycle, District, Sub-district, Village, Sample Date, Crop Detail etc.
a) Add/ Edit/ View Land Details
Click on Land details as shown in Figure – 16. The screen will be displayed as shown in Figure 17 and 18. Fill the information and click “Save’’
b) Add/ Edit/ View Crop Details

Select Crop Details section from the Sample Registration Page. Fill the information and click “Save” For adding next crop, please click on “Add” button.
c) Add/ Edit/ View Fertilizer Details
Figure – 22

Figure - 23
f) **Submit Sample Details**

Once user completes all the details of the sample he/she can submit it and it will be automatically visible in the dashboard section. Click “Dashboard” from home screen of Sample Registration to display dashboard.
5. Soil Health Card Dashboard

All the collected samples will be visible in the dashboard screen. Users can view sample details, download samples (in the form of csv) as well as upload samples on the server.

![Soil Health Card Dashboard](image)

*Figure - 26*
View Details

a) View Crop Details

![Crop Details Diagram]

Figure – 27

b) View Farmer Details

![Farmer Details Diagram]

Figure – 28
c) View Fertilizer Details

Figure – 29


d) View Land Details

Figure – 30
6. Test Result Entry Page

Click “Test Result” tab on the screen

![Test Result Entry Page](image)

**Figure - 31**

### Add Test Result

![Add Test Result](image)

**Figure - 32**
7. Test Result Dashboard

Click “Dashboard” from home screen of Test Results Entry to display dashboard. Users can download Test results (in the form of csv) as well as Upload Test Results on the server.

Figure - 33
8. Synchronize Data and Log out Application

User can synchronize the Master Data like State, District, Crop type etc. on local machine with portal data by clicking Synchronize Data button. By synchronizing updated master directories will be available for offline application. User can also logout from his session by clicking on the Logout Button. If user doesn’t logout from the Application he/she will remain logged-in.

Figure – 34