

# GCES Web Portal

# GCES Overview



## Objective

- Crop yield estimation through Crop Cutting Experiments (CCEs)

## Components

- Preparation of District wise Plan
- Locating field, conducting CCE and recording data
- Generation of Yield Estimates

## Challenges

- Data collection, compilation and yield estimation is completely manual except in few states.
- Delay in reporting,
- Lack of Transparency

# Automation – Mobile App & Web Portal



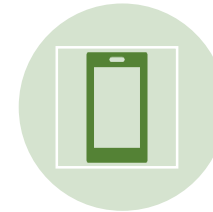
Digitization of all the 3 process of Yield estimation through GCES



Real time recording of CCE results



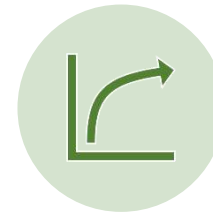
Real time reporting and monitoring of CCEs



GPS enabled application will ensure transparency in the system



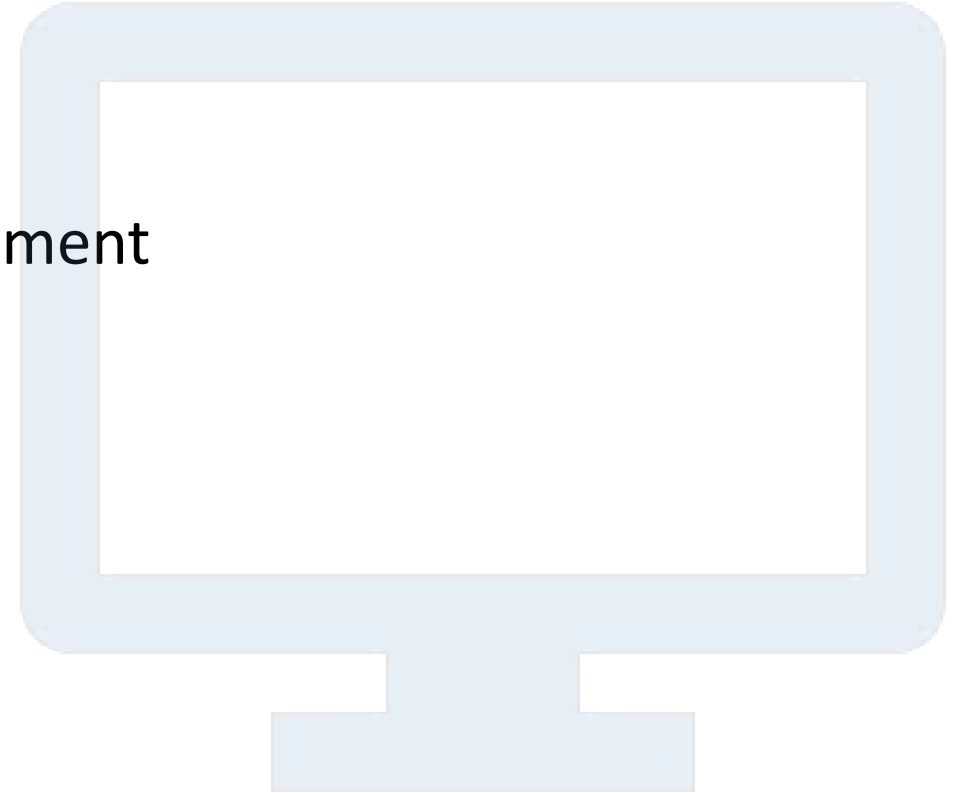
Generating crop yield estimates just after harvesting



Reliable Crop Yield Estimates

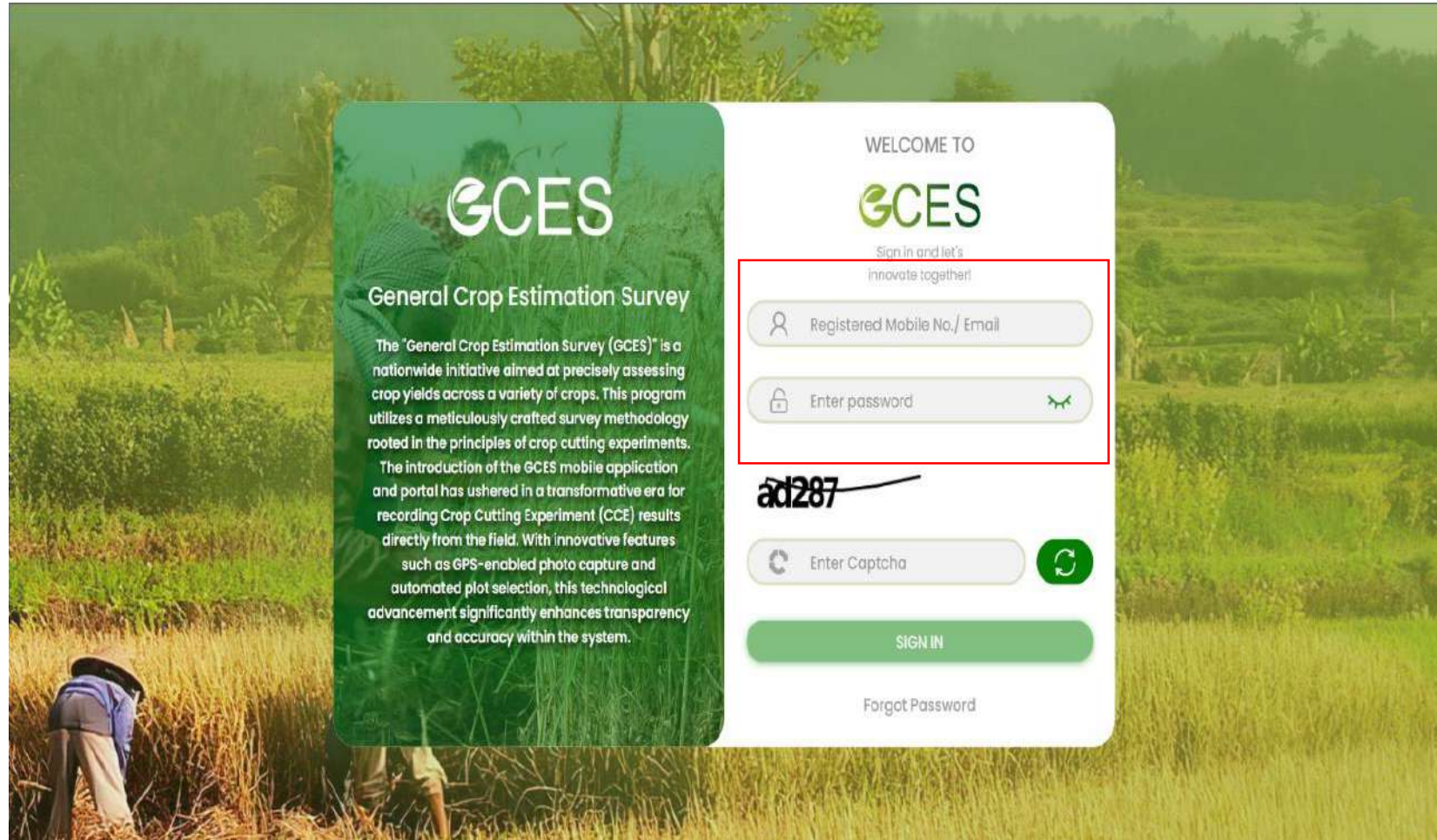
# Functionalities of GCES Web Portal

- User Management
- Crop Cutting Experiment allotment
- CCE survey review
- Crop Acreage
- Crop wise yield estimation



To start with go to <https://gces.dac.gov.in>, a login screen would appear.

Initially State Login and Password will be provided by Ministry



# Administrative Units and Hierarchy



SumanSTATE ▾



Administrative Units and Land Record Data

Administrative Units and Land ▾



Administrative Units & Hierarchy

User Management >



Master List >



CC Experiment Allotment >



Crop Acreage >



Crop wise Yield & Production Estimation >



CCE Survey Review >



## Administrative Units & Hierarchy

Level	Administrative Level Title
0	State
1	District
2	Taluka
3	Village

## State Wise Administrative Units Information

▶ BIHAR - State

LGD Code:10

# Administrative Units and Hierarchy (Contd)



## Administrative Units and Land Record Data

Administrative Units and Land ▾

Administrative Units & Hierarchy

User Management >

Master List >

CC Experiment Allotment >

Crop Acreage >

Crop wise Yield & Production Estimation >

CCE Survey Review >

### State Wise Administrative Units Information

BIHAR - State	LGD Code:10
ARARIA - District	LGD Code:188
Araria - Taluka	LGD Code:1116
Araria - Village	LGD Code:221845
Azamnagar - Village	LGD Code:221854
Azmatpur - Village	LGD Code:221846
Bahgi - Village	LGD Code:221801



# User management – User

The screenshot displays the GCES (Government of India) User Management interface. The sidebar on the left contains the following navigation items:

- Administrative Units and Land
- User Management (selected)
- Users
- Add Primary Worker
- Master List
- CC Experiment Allotment
- Crop Acreage
- Crop wise Yield & Production Estimation
- CCE Survey Review

The main panel is titled "User management/ User" and features a "+ Add New User" button highlighted with a red box. Below this button are two dropdown menus: "Territory" (set to "District") and "User Role". A search bar is located to the right of the dropdowns.

The user list table below contains the following data:

User Id	Name of User	User Role	Email Address	Mobile Number	Created on	Current Status
TEH_2_S_1116	SantoshTEHSIL	Tehsil	santosh@yopmail.com	7687367626	22-09-2023	Active
TEH_1_S_1116	Manoj Kumar	Tehsil	manoj@yopmail.com	7852872087	21-09-2023	Active

At the bottom of the page, the footer text reads: "Website Content Owned & Managed by Department of Agriculture & Farmers Welfare | MoA & FW | Government of India. Designed and Developed by DAD/IT, Ministry of Agriculture, New Delhi, India. Last Updated On: 24 Aug 2023".



# User management- User (Contd)

The screenshot displays the GCES (Green Cloud Ecosystem Services) user management interface. The main focus is the 'Add New User' modal form, which is overlaid on a sidebar menu and a background dashboard. The sidebar menu includes options like 'Administrative Units and Land', 'User Management', 'Users', 'Add Primary Worker', 'Master List', 'CC Experiment Allotment', 'Crop Acreage', 'Crop wise Yield & Production Estimation', and 'CCE Survey Review'. The background dashboard shows a search bar and a table with columns for 'Created on' and 'Curr'. The user's name 'SumanSTATE' is visible in the top right corner.

**GCES**

SumanSTATE

### Add New User

<b>Territory</b>	<b>User Role</b>
District	District
<b>State*</b>	<b>District*</b>
BIHAR	ARARIA
<b>User Name*</b>	<b>Designation*</b>
Enter User Name	Select Designation
<b>Department*</b>	<b>Mobile Number*</b>
Select Department	Enter Mobile Number
<b>Email Address*</b>	
Enter Email Address	

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# User management- User (Contd)

- Administrative Units and Land
- User Management
- Users
- Add Primary Worker
- Master List
- CC Experiment Allotment
- Crop Acreage
- Crop wise Yield & Production Estimation
- CCE Survey Review

## User management/ User

+ Add New User

Territory

District

User Role



Search..



User Id ↑↓	Name of User ↑↓	User Role ↑↓	Email Address ↑↓	Mobile Number ↑↓	Created on ↑↓	Curr
TEH_2_S_1116	SantoshTEHSIL	Tehsil	santosh@yopmail.com	7687367626	22-09-2023	Ac
TEH_1_S_1116	Manoj Kumar	Tehsil	manoj@yopmail.com	7852872087	21-09-2023	Ac

# User management- Primary Worker (Contd)

✕ User management / Add Primary Worker

Administrative Units and Land > 

User Management ▾ 

Users

Add Primary Worker

Master List > 

CC Experiment Allotment >

Crop Acreage > 

Crop wise Yield & Production Estimation >

CCE Survey Review >

Year

2023-24 ▾

Season

Kharif ▾

Department

Select Department ▾

Apply

+Add New



Search



Year ↑↓	Season ↑↓	User Id ↑↓	Worker Name ↑↓	Department ↑↓	Mobile Number ↑↓	Unique ID
2023-24	Kharif	SUR_PRR_2_221845	Sakshi Patil	Private Residents	7628363523	SUR_PRR_2_221845
2023-24	Kharif	SUR_PRR_1_221845	Suman Sharma	Private Residents	7862876832	SUR_PRR_1_221845

# User management- Primary Worker (Contd)

**GCES**

SumanSTATE

### Add Primary Worker

Please provide following details to register new primary Worker.

**Personal Details**

First Name\*

Last Name\*

Father Name\*

**Contact**

Email Address

Mobile Number\*

**Assign Village for CCEs**

State\*

District\*

Taluka\*

City / Village\*

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# User management- Primary Worker (Contd)

**GCES**

SumanSTATE

### Add Primary Worker

**Contact**

Email Address:

Mobile Number\*:

**Assign Village for CCEs**

State\*:

District\*:

Taluka\*:

City / Village\*:

**Note:** This Worker should remain active for the current fiscal year and current season only.

Administrative Units and Land

User Management

Users

Add Primary Worker

Master List

CC Experiment Allotment

Crop Acreage

Crop wise Yield & Production Estimation

CCE Survey Review

Unique I

SUR\_PRF

SUR\_PRF

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# User management- Primary Worker (Contd)

Administrative Units and Land

User Management

Users

Add Primary Worker

Master List

CC Experiment Allotment

Crop Acreage

Crop wise Yield & Production Estimation

CCE Survey Review

+Add New



Search



Year	Season	User Id	Worker Name	Department	Mobile Number	Unique I
2023-24	Kharif	SUR_PRR_2_221845	Sakshi Patil	Private Residents	7628363523	SUR_PRF
2023-24	Kharif	SUR_PRR_1_221845	Suman Sharma	Private Residents	7862876832	SUR_PRF

1 10 item per page

1 - 2 of 2 items

# User management- Primary Worker (Contd)




- Administrative Units and Land
- User Management
- Users
- Add Primary Worker
- Master List
- CC Experiment Allotment
- Crop Acreage
- Crop wise Yield & Production Estimation
- CCE Survey Review

User management / Add Primary Worker

Year: 2023-24 Season: Kharif Department: Private Residents Apply

+ Add New

 The list can be downloaded in excel format

Search

Year	Season	User Id	Worker Name	Department	Mobile Number	Unique
2023-24	Kharif	SUR_PRR_2_221845	Sakshi Patil	Private Residents	7628363523	SUR_PRR
2023-24	Kharif	SUR_PRR_1_221845	Suman Sharma	Private Residents	7862876832	SUR_PRR

Added Primary Workers can be searched from here



# CCE Experiment Allotment



## CC Experiment Allotment / Village Wise Plan Allotment

Administrative Units and Land

User Management

Master List

CC Experiment Allotment

Village Wise Plan Allotment

Crop Acreage

Crop wise Yield & Production Estimation

CCE Survey Review

Year

2023-24

Season

Kharif

State

HARYANA

District

AMBALA

Apply

+ Add New

Click here to add GCES Plan



Year:2023-2

District Code

Taluka Code

Taluka Name

Village Name

Taluka Code

# CCE Experiment Allotment (Contd)

The screenshot displays the GCES web application interface. A modal window titled "Village Wise Plan Allotment" is open, showing the following fields:

- District\*: ARARIA
- Taluka\*: Araria
- Village\*: Select Village
- Crop\*: Select Crop
- Weather crop is Diriage?\*

A red box highlights the "Crop\*" field, containing the following instructions:

1. Multiple Crops can be selected
2. Selection of Crops for Diriage

The background interface shows the "CC Experiment Allotment / Vill" form with fields for Year (2023-24), District (ARARIA), and State (BIHAR). The sidebar menu includes options like Administrative Units and Land, User Management, Master List, CC Experiment Allotment, Village Wise Plan Allotment, Crop Acreage, Crop wise Yield & Production Estimation, and CCE Survey Review.

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# CCE Experiment Allotment (Contd)



Administrative Units and Land >

User Management >

Master List >

CC Experiment Allotment ▾

Village Wise Plan Allotment

Crop Acreage >

Crop wise Yield & Production Estimation >

CCE Survey Review >

CC Experiment Allotment / Village Wise Plan Allotment

Year: 2023-24 Season: Kharif State: BIHAR

District: ARARIA Apply

+ Add New

Year: S				
District Code	Taluka Code	Taluka Name	Village Name	Village Code

# CCE Experiment Allotment (Contd)



CC Experiment Allotment / Village Wise Plan Allotment

				Year: S
District Code	Taluka Code	Taluka Name	Village Name	Village Code
ARARIA	1116	Araria	Araria	221845
			Araria	221845
			Araria	221845
			Araria	221845
<b>Total Villages</b>				

# Crop Acreage



**×** Crop Acreage Area / District Wise Area

Year: 2023-24    Season: Kharif    State: BIHAR

District: ARARIA    **Apply**

**+ Add Area** → To add area

   Search..

Year ↑↓	Season ↑↓	State Name ↑↓	District Name ↑↓	Taluka Name ↑↓	Crop
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# Crop Acreage (Contd)

**ICES** Suman STATE ▾

**Add District Wise Area** ✕

Year: 2023-24  Season: Kharif

State\*: BIHAR  District\*: ARARIA

Taluka\*: Araria

Crop\*: Adulsa

Crop Name	Irrigated	UnIrrigated	Total Area (Irr+UnIrr)	Total Area
Adulsa	0	0	0	0

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# Crop Acreage (Contd)



Administrative Units and Land >

User Management >

Master List >

CC Experiment Allotment >

Crop Acreage ▾

District Wise Area

Crop wise Yield & Production Estimation >

CCE Survey Review >

✕ Crop Acreage Area / District Wise Area

+ Add Area



Search..



Year ↑↓

Season ↑↓

State Name ↑↓

District Name ↑↓

Taluka Name ↑↓

Crop



10

item per page

0 - 0 of 0 items



# CCE Survey Review



**CCE Survey Review / Crop Survey Review**

**CCE Survey report**

State Summary Report

Year	Season	District	Taluka	Village
2023-24	Kharif	ARARIA	Araria	Araria
				Araria
				Araria
				Araria

◀ ◁ 1 ▷ ▶ 10 ▾ item per page 1 - 1 of 1 items

# Data entered through mobile application can be viewed in portal as well

Configuration / Crop Survey Forms

Form-1 Form-2 Form-3

Experiment No. 5434	Year 2023-24	Season Kharif	Crop Sorghum
District BILASPUR	Mandal Bharari	Village Badsay (292)	IRR/Un-IRR Irrigated Unirrigated
Survey/ Sub Division number A/B	Farmer Score 10/100	Steps from NW (Length) 1	
No. of steps after deducting 7/3 steps (Length) 1	Random Number Selected (Length) 1	Steps from SW (Breadth) 1	
No. of steps after deducting 7/3 steps (Breadth) 1	Random Number Selected (Breadth) 1	Experiment Loss? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Crop Condition Good	Chemical Fertilizers Applied? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Organic Fertilizers Applied? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Herbicide Used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pesticides Used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pure or Mixture? Mixture Crop	

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Form 2

Configuration / Crop Survey Forms

Form-1 Form-2 Form-3


Experiment No. 5434	Year 2023-24	Season Sorghum	Crop Kharif
District BILASPUR	Mandal Bharari	Village Badsay (292)	
Picking/Non-Picking <input checked="" type="radio"/> Yes <input type="radio"/> No	Date of Harvest 16/11/2023	Green Weight (Kgs.Gms.) 15	
Actual Green Weight taken for drirage (Kgs.Gms.) 25	Date of completion of drirage 01/10/2023	Dried Weight (Kgs.Gms.) 15	

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Form 3

Configuration / Crop Survey Forms

Form-1 Form-2 Form-3



Experiment No. 5434

Year 2023-24

Season Kharif

Crop Sorghum

District BILASPUR

Mandal/ Bharari

Village Badsay (292)

Highest : 15

4-digit Random Number 2023-24

Selected Survey No. 4

Selected Survey no. is rejected?  Yes  No

Finally Selected Survey Number 4

IRR/Un-IRR  Irrigated  Unirr

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Form 1

**THANK YOU**