



GREEN HUMANITY

Improve The Livelihood of
Rural Areas



Problem Statement

Number of persons benefitted from using the **Water Harvesting Structures (WHS)** created / rejuvenated in the project areas under **WDC 2.0** for economic activities like fisheries etc for **alternate source of income generation.**



Let's Understand the Scenario in 5 Points

1 What's the Actual Problem?

2 What's the impact of it?

3 What are we solving?

4 How are we going to solve it?

5 Benefits of Our Idea

1. Problems faced by our agriculture sector?



Problems -->

Inadequate availability of water resources.

Minimal availability of water resources which affects the growth of agriculture of that area.



Fragmentation of Land

Land is divided into small parts. As About 70% of whole land is divided is less than 1 hectre and about 40% of whole land is divided in less than 1/8 hectare



Subsistence Farming

In this system of farming, the whole family is engaged in the work which causes developmental failure of family.



Bataiyan System

The Bataidari system is sharecropping, an agricultural practice where a landowner lends his land to another who spends money and labor and shares the produce with the owner and the tenant.



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2. How it's Affecting the Agriculture sector and Society?



Impacts -->

Problems in Society

Problem Faced :-

- 1 Hunger
- 2 Cost Fluctuation
- 3 Pollution
- 4 Unemployment
- 5 Illiteracy



Problem in Agriculture sector

Problems are :-

- 1 Every Step is Differentiated
- 2 Lack of Knowledge
- 3 Pay for Land
- 4 Pay for Machinery
- 5 Ineffective Channel of Crops



3. What are we solving?



Solution:-

Our Solution is for



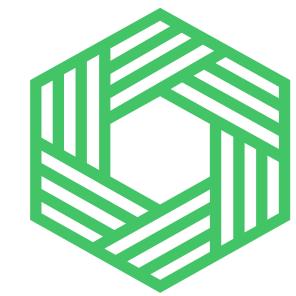
Availability of
water resources



Modernizing the
old farming
Techniques



Boost the
Productivity
and Quality



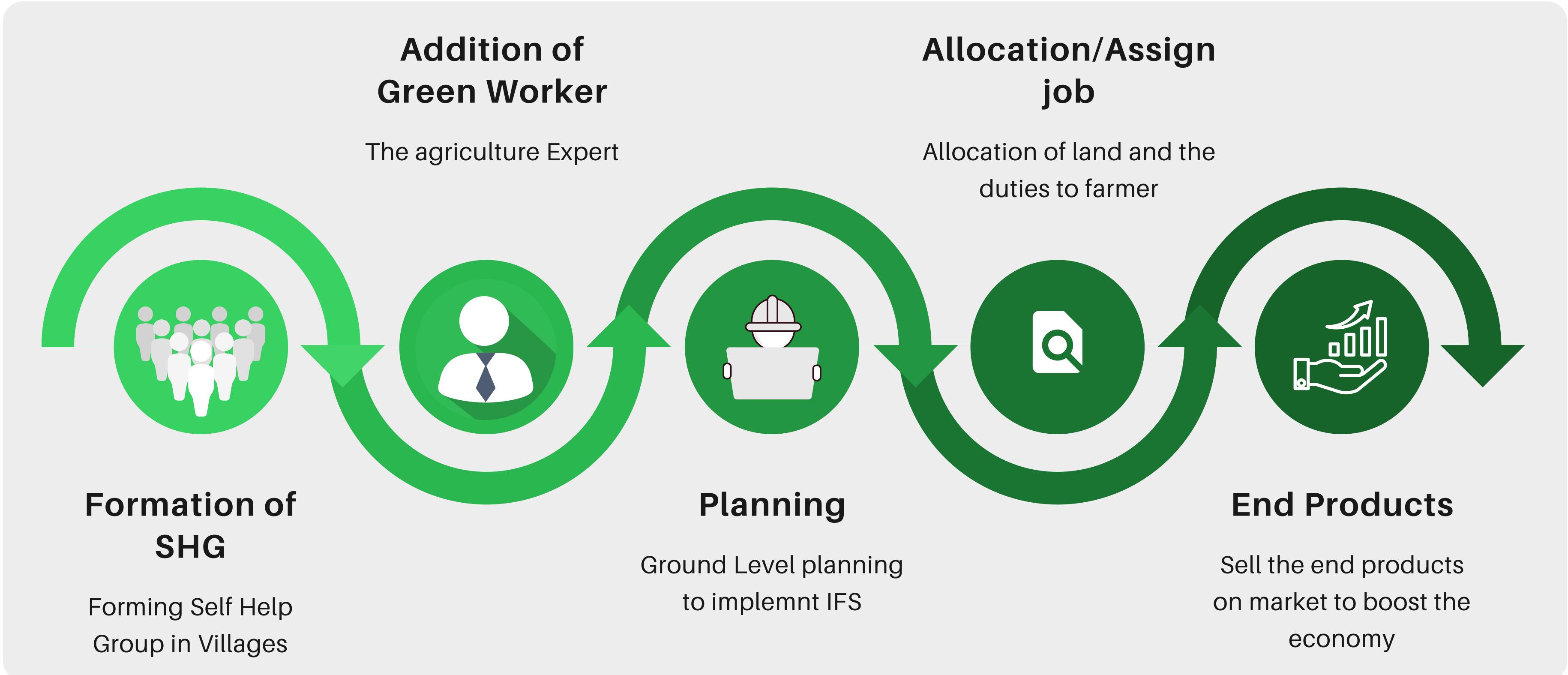
Make single
channel of help
for farmer

4. How are we going to solve the problems?



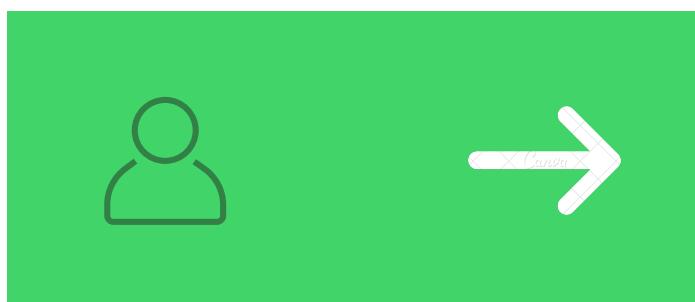
Solution -->

New Process



Who is SHG and His/Her Role

SHG is term for Self Help Group Leader who's main job is to manage the farmer and the flow of money in group and have check on Green worker and full fill all his/her demands



Who will be SHG leader ?

1. Gram Pradhan
2. Selected by SHG

Main Role.

Look after the administration of the group and the records of the farmers

1 **FORM SHG**

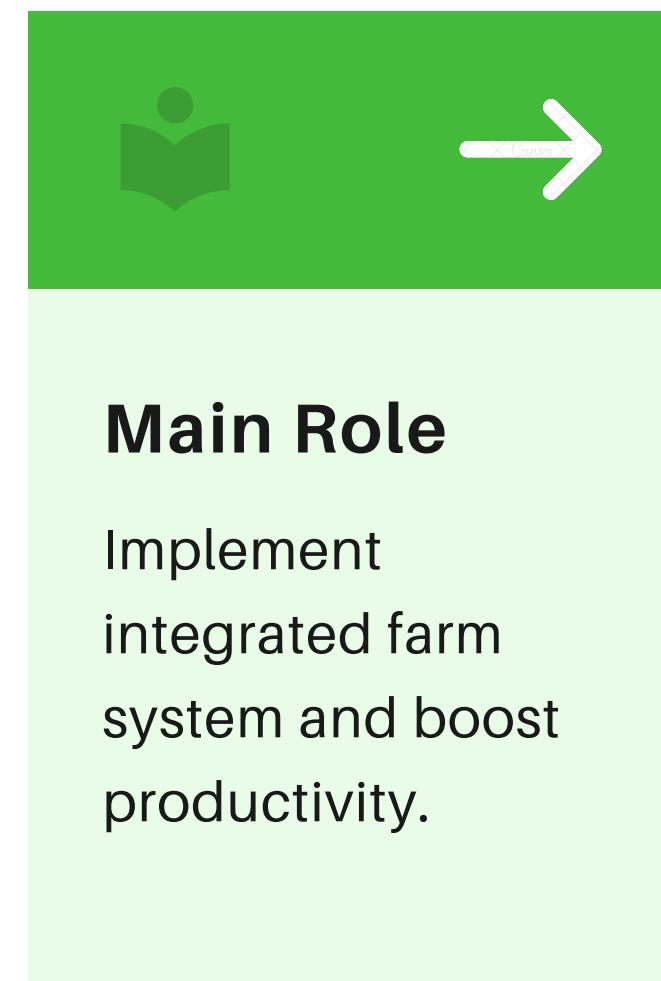
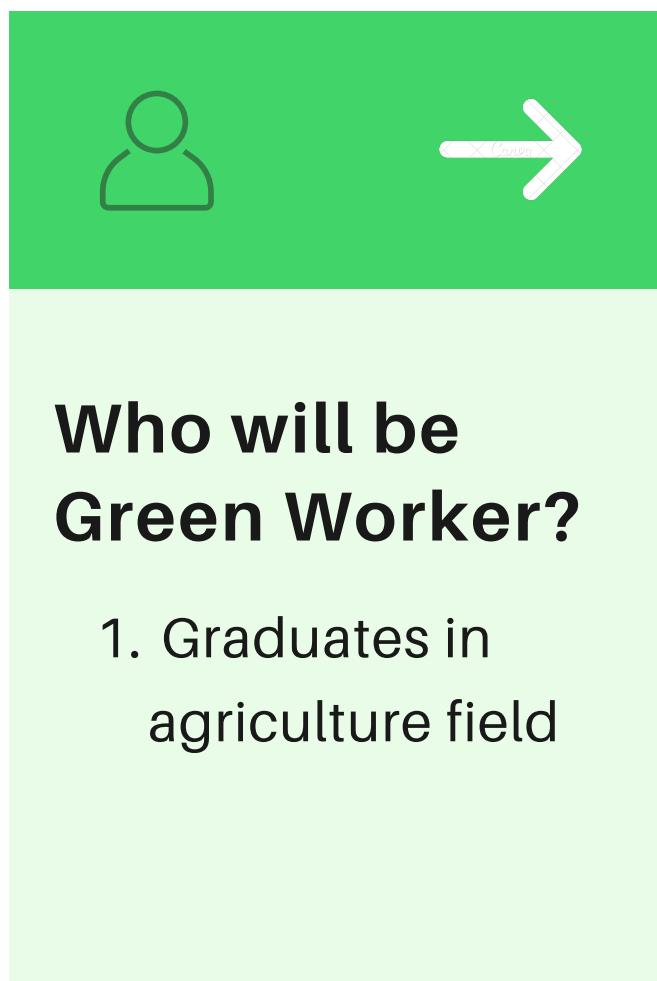
2 **MANAGE MONEY**

3 **MANAGE PROBLEMS**

4 **MANAGE RESOURCE**

Who is Green Worker and His/Her Role

Green worker is the agriculture expert who is employed in an environmental sector of the economy. They satisfy the demand for green development. They guide the farmer towards modern technologies.



- 1 **PLANNING**
- 2 **RESOURCE MANAGEMENT**
- 3 **IMPLEMENT IFS**
- 4 **PRODUCTS/SELLING**

Integrated Farming

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Integrated farming produce both crops and animals on one farm. This farming system permits wider crop rotations and thus reduces dependence on chemicals, allowing diversification for better risk management.

To Do List in Integrated farming

1. Variety of crop
2. Cropping pattern
3. Skilled worker
4. Effective methodology
5. Implement technology



Types of Integrated Farming

Types are :-

1. Crop-livestock farming system
2. Crop-livestock –fishery farming system
3. Crop-livestock – poultry – fishery farming system
4. Crop-fishery-poultry farming system

Technology Used in Integrated Farming

Name of technology used :-

1. Drones
2. Satellite Image (GIS)
3. Sensors
4. Smart irrigation
5. Automation

5.Benefits of Implementing Our Idea

Difference -->

Benefits of Integrated Farming



- Variety of Crop provide Protection from Weeds and Pests which reduces input cost.
- Cropping pattern increase Production
- Proper Methodology take Low input of Natural as well as Man-made resource which reduces input cost and
- Maintain sustainability of Environment.
- Technology gives accurate data to maintain crop need which reduces input cost .
- Technology also reduces labour.
- Technology give earlier data to maintain cropping processes.
- Skilled worker gives efficiency to system.

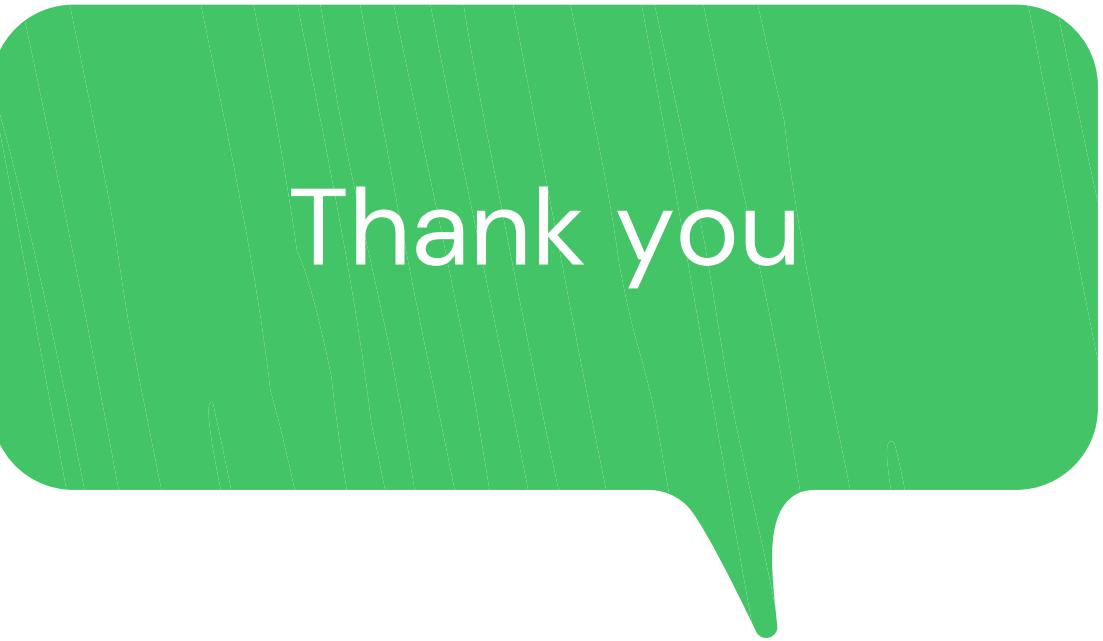
Our Expected Result...



- 1** High Productivity
- 2** Less Use of Resource
- 3** Stable Employment
- 4** No Child Labour
- 5** Reduce Cost Fluctuation
- 6** Control over Agri-Pollution

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We're done!



Thank you

Case Study

Types of Integrated Farming

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- 3.Crop-livestock – poultry – fishery farming system
- 4.Crop-fishery-poultry farming system



Technology Used in Integrated Farming

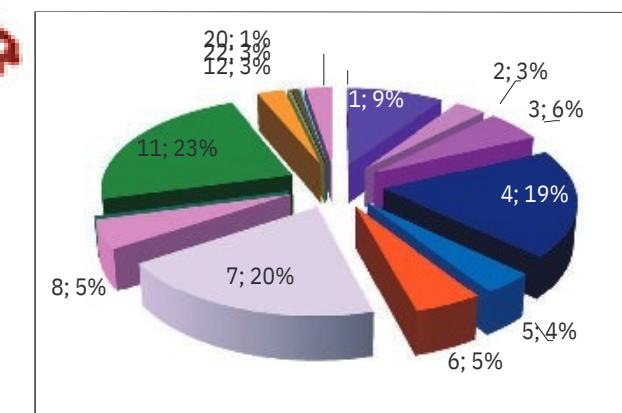
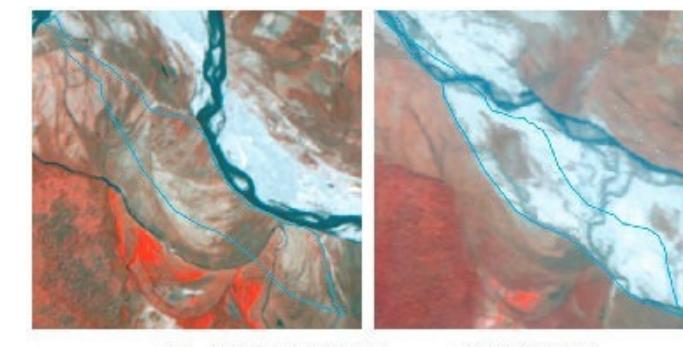
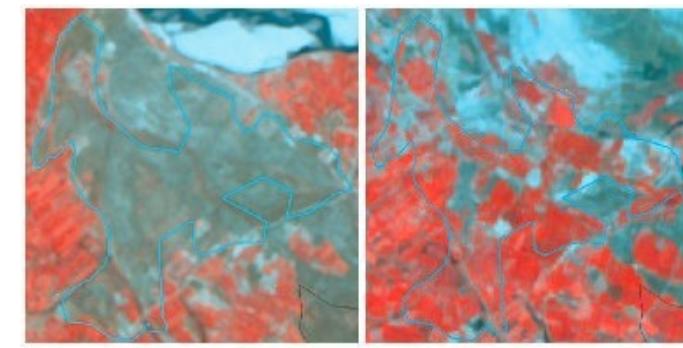
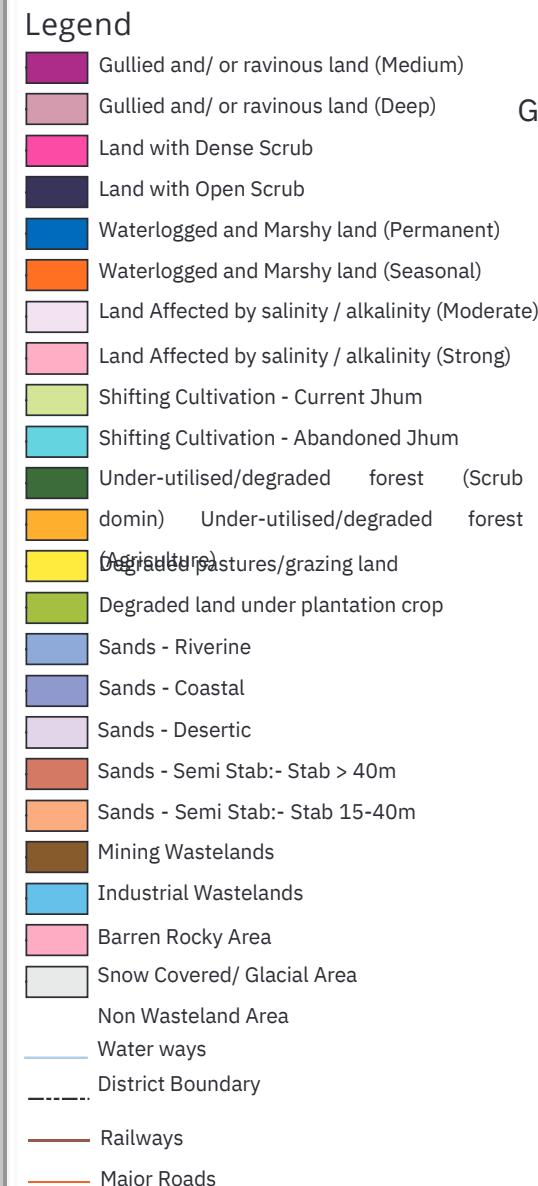
Name of technology used :-

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UTTAR PRADESH

Spatial Distribution of Wastelands 2015-16



0 30 60 120 180 240 Kms

Partner Inst.

Remote Sensing Application Centre
Jankipuram, Kursi Road, Lucknow
&
Birla Institute of Technology
Mesra, Ranchi

Executed By

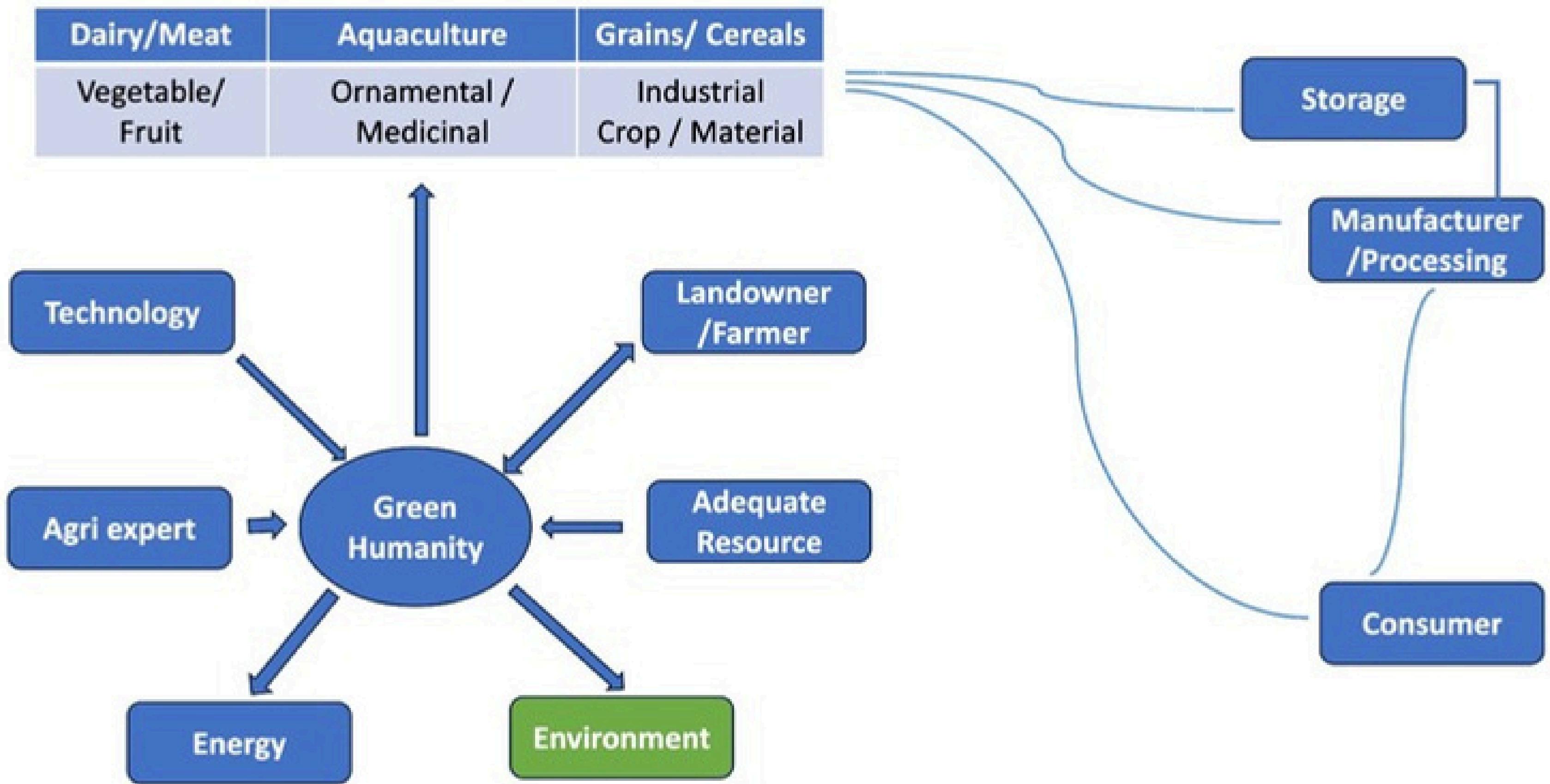
Land Use & Cover Monitoring Divn.
DRUMC, Remote Sensing Application
National Remote Sensing Centre
ISRO, Deptt. of Space, GOI
GPO, New Delhi - 110 011
Bataanagar, Hyderabad - 500037

Sponsored by

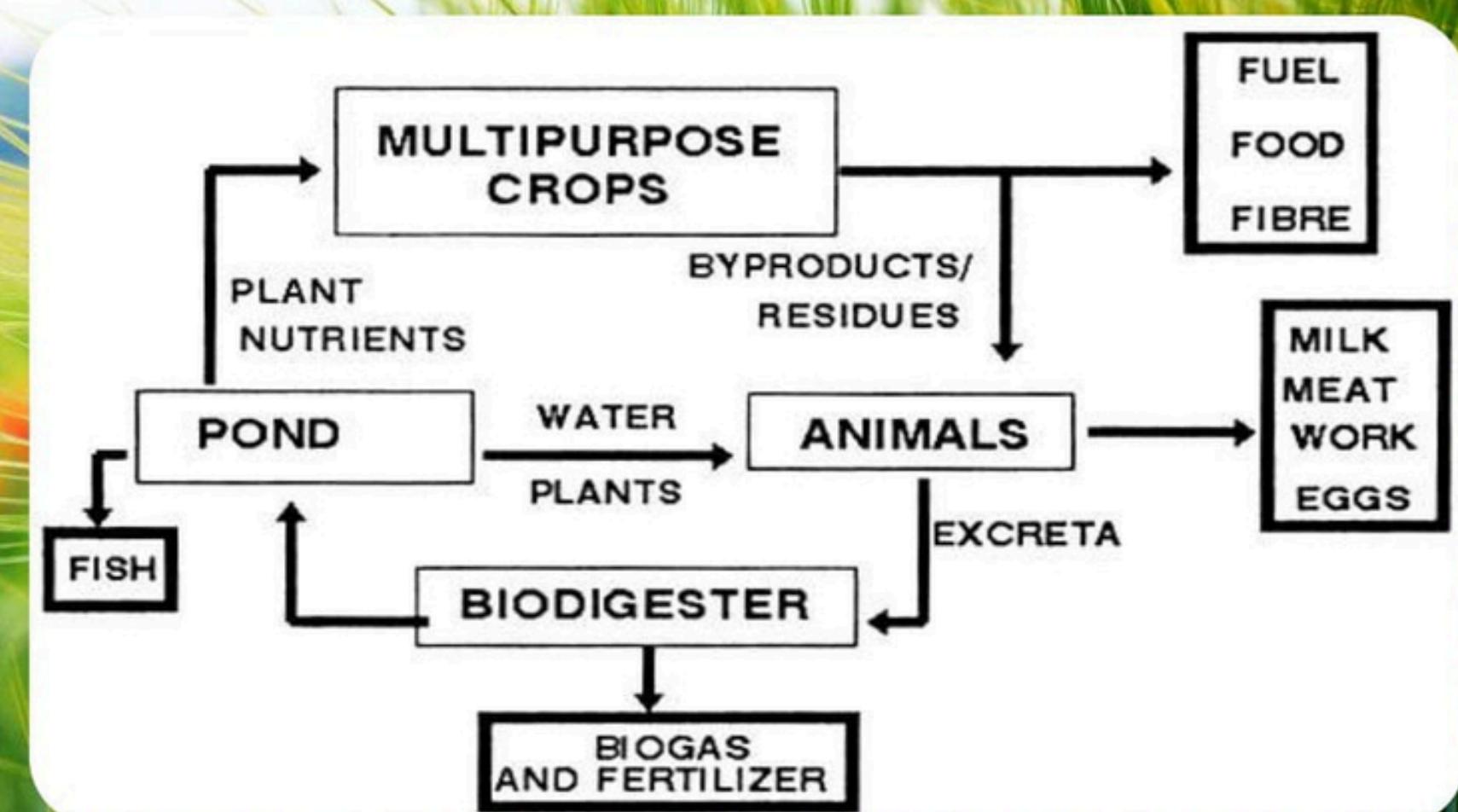
Min. of Rural Development
G - Wing, Nirman Bhawan

Total Geog. Area (TGA): 240928.00 sq. km. Source: Wasteland Maps: 2008-09 on 1:50,000 scale,
Total wasteland area: 8537.06 sq. km. Three seasons IRS P6 LISS-III data of Kharif (Oct/Nov-2015),
Wasteland Percentage: 3.54 Rabi (Jan/Feb-2016) and Zaid (April/May-2016) & Ground truth

Our Idea



IFS Model



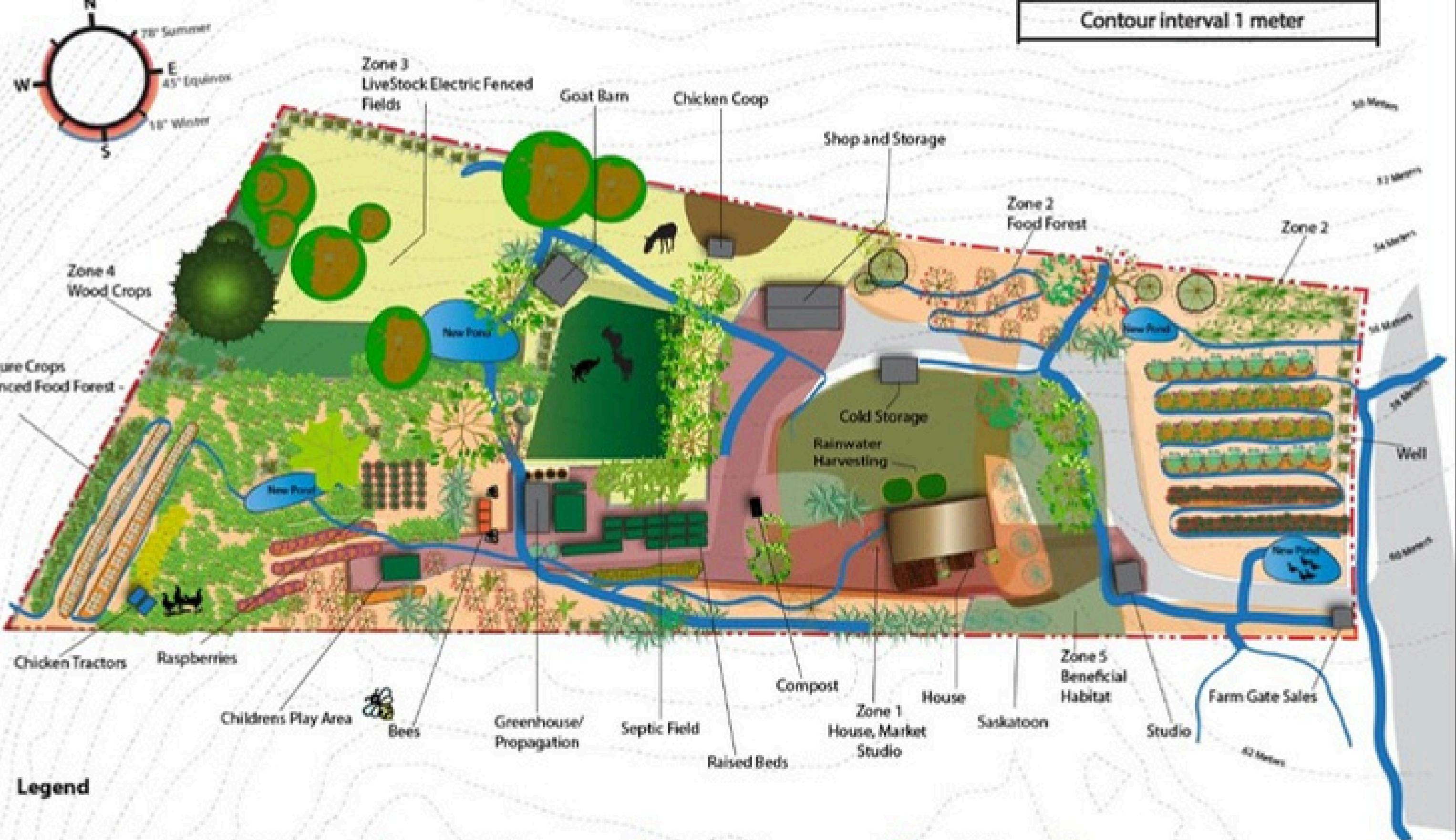
10/9/2014

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IFS MODEL FOR IRRIGATED ECOSYSTEM (1ha Area)



Contour interval 1 meter



Legend

Roadway	
Zone 1	
Zone 2	
Zone 3	
Zone 4	
Zone 5	
Goat Pasture	
Chicken Run	

Saskatoon	Cherry Tree	Fir Tree	Peas
Raspberry	Maple Tree	Hardy Kiwi	Cedar Tree
Blueberry	Chinese Chestnut	Bee Forage	Walnut
Sea Buckthorn	Monkey Puzzle Tree	Broom	-
HoneyBerry	Apple Tree	Garlic	-
Bamboo	Pear Tree	Buckwheat	-
Blackberry	Plum Tree	Clover / Cover Crop	-
Comfrey	Fig Tree	Coppiced Maple	-

THE CONNECTED FARM IN ACTION



Individual sheep wearing wireless devices can create a mesh network to give them connectivity across areas where there's no mobile or Wi-Fi signal.

Farmers can map the density of seedlings and optimize cropping. They can even get recommendations on subcontractors that might be best placed for the job.

Viticulturists use sensors to measure the ambient temperature, humidity, atmospheric pressure and the wetness of leaves in vineyards.

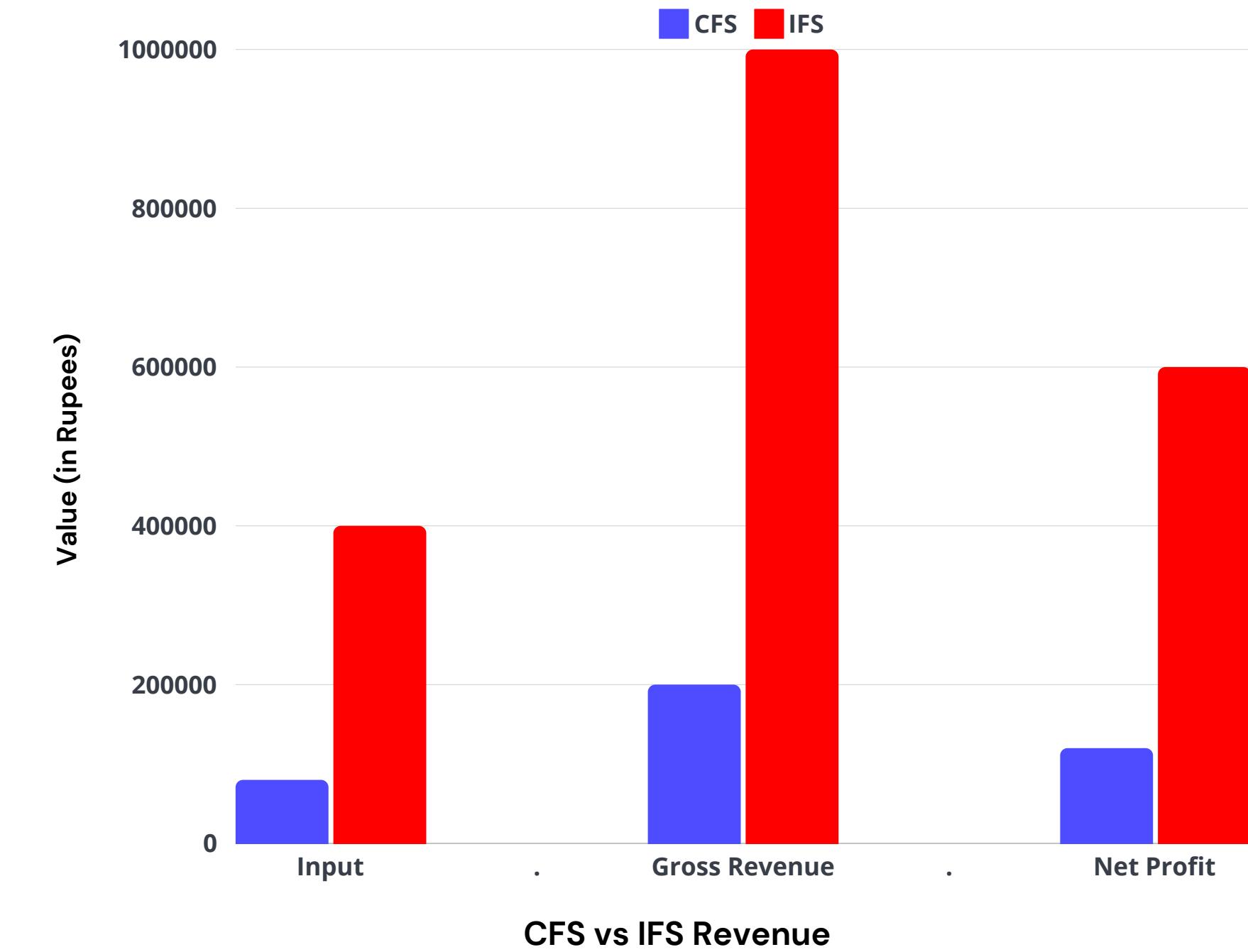
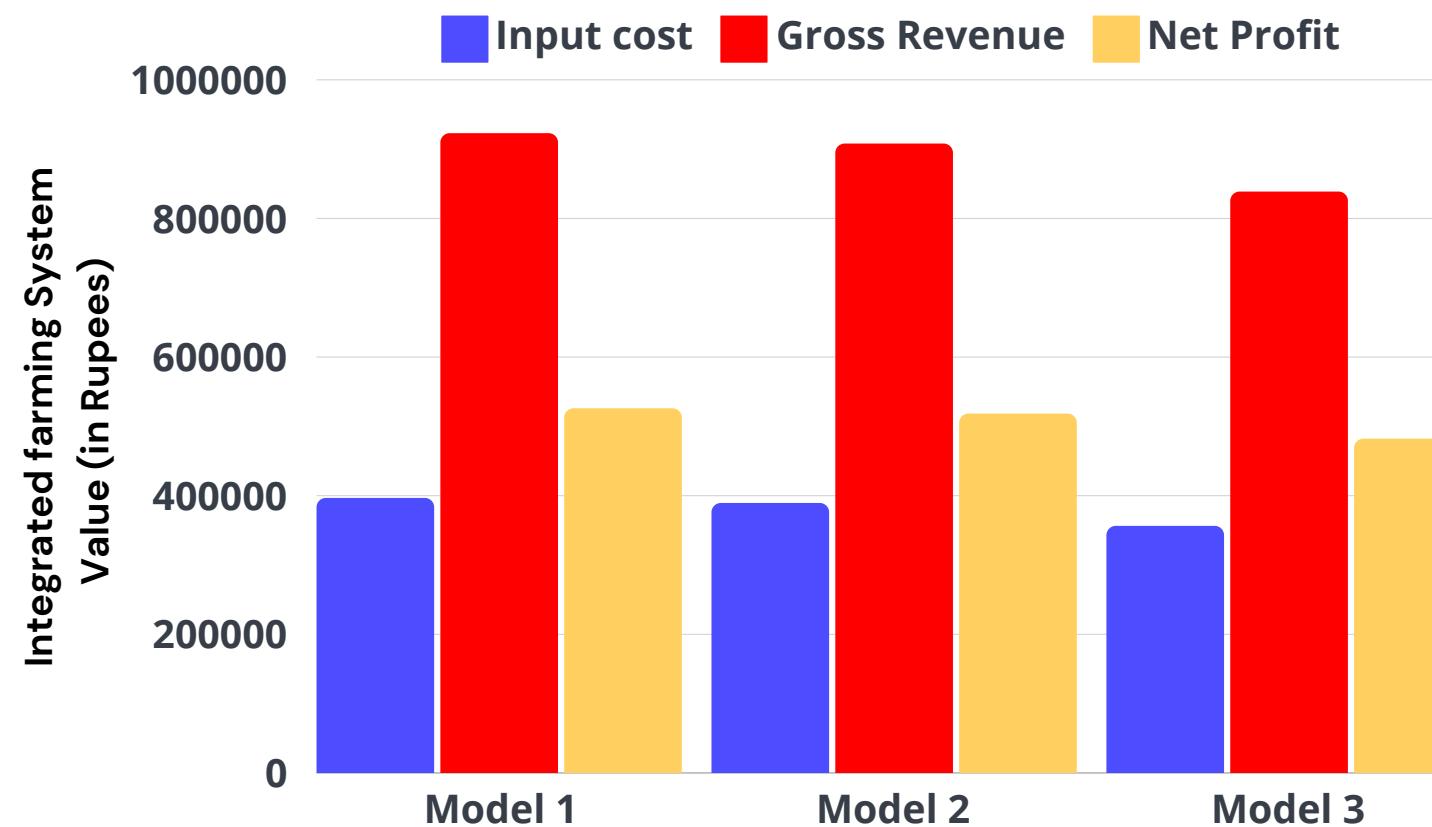
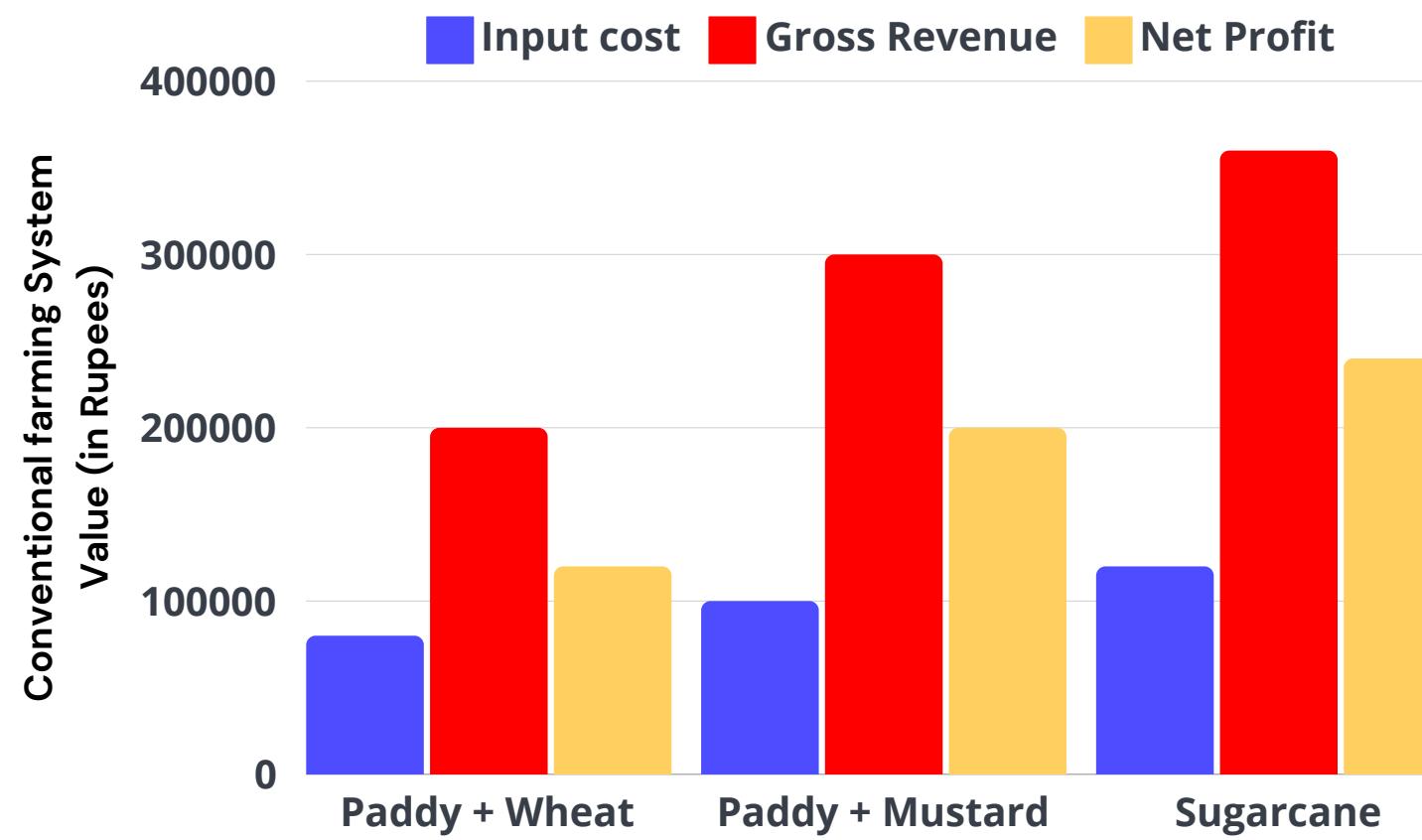
The next stage of development in the connected countryside is driverless farm vehicles. Some manufacturers are already at the prototype stage.

Farm vehicles equipped with telematics can report their location, fuel consumption and fertilizer supply to the farm office or a farmer's smartphone.

Field sensors can report data on metrics such as nutrients, moisture and the weather to determine which areas need more water and fertilizer.

Economics Difference of CFS & IFS

Per Hectare

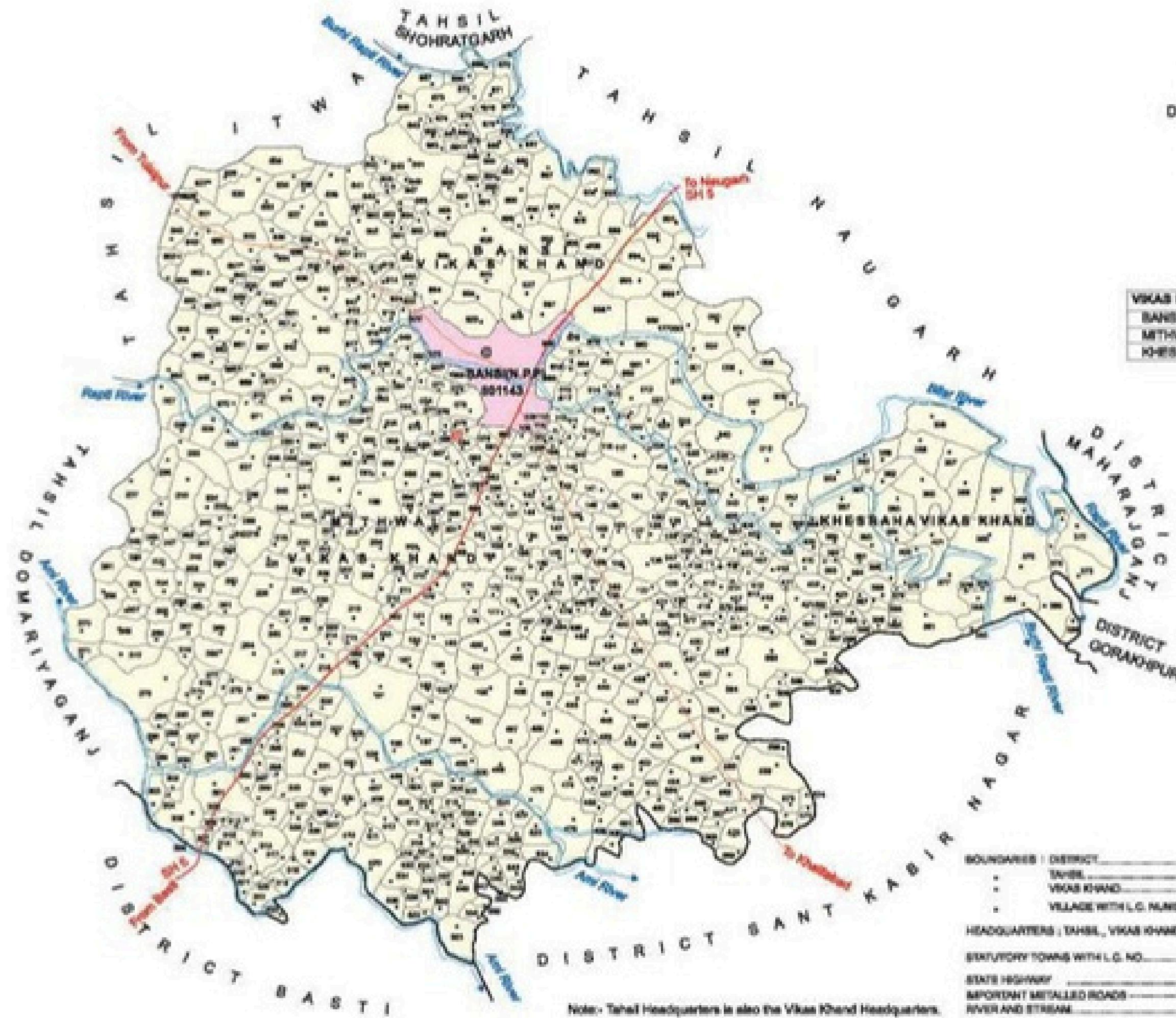


INDIA
UTTAR PRADESH
TAHSIL BANSI
DISTRICT SIDDHARTHNAGAR

KILOMETRES

1 0 1 2 3 4 5

VIKAS KHAND	NUMBER OF VILLAGES
BANSI	201
MITHNAUL	313
KHESSRAHA	262



Village 3

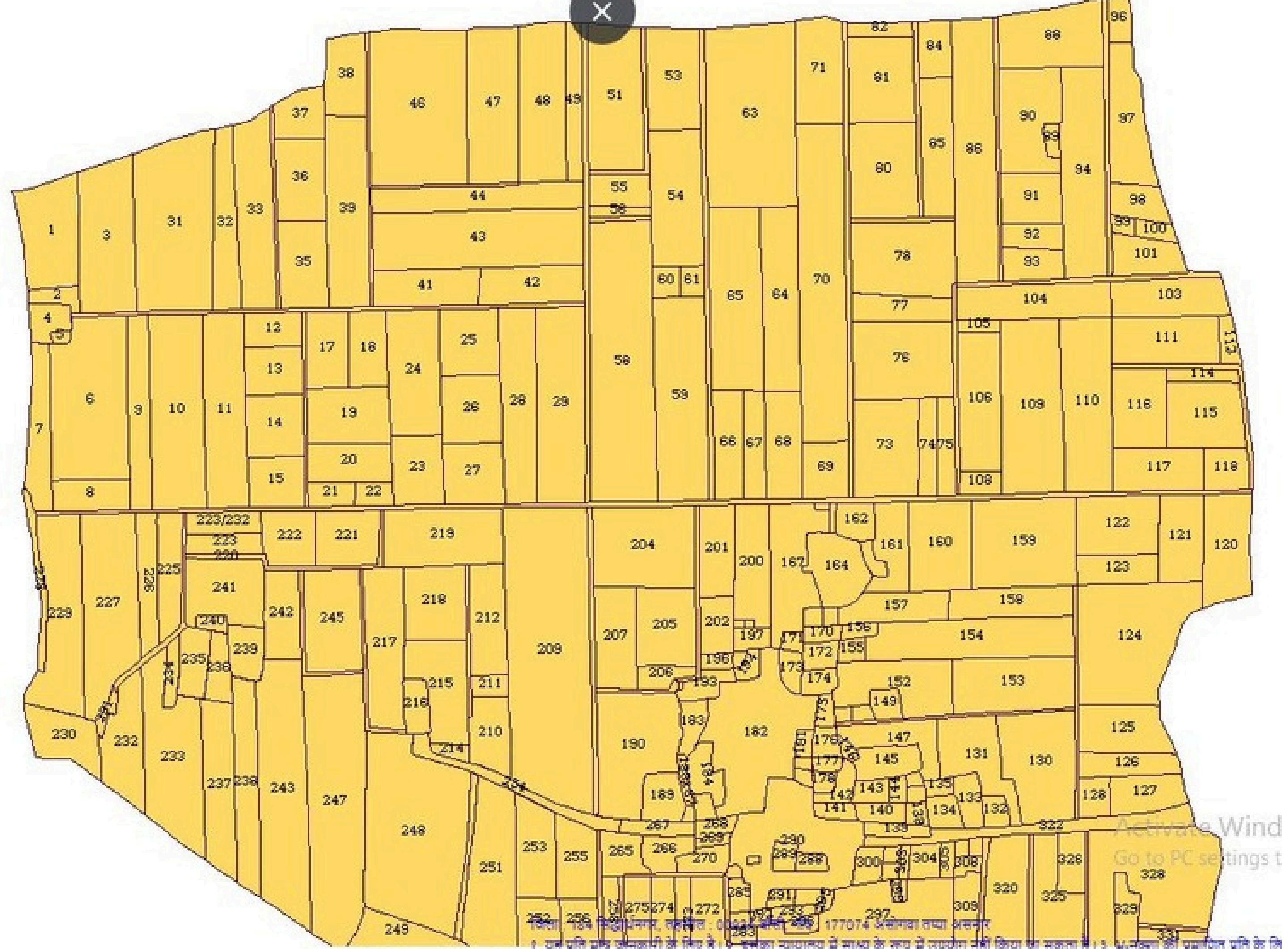
Village- Asangwa
Siddhartha Nagar

Shri Mata Gautam Agaya Gurudwara

Sangwa संगवा

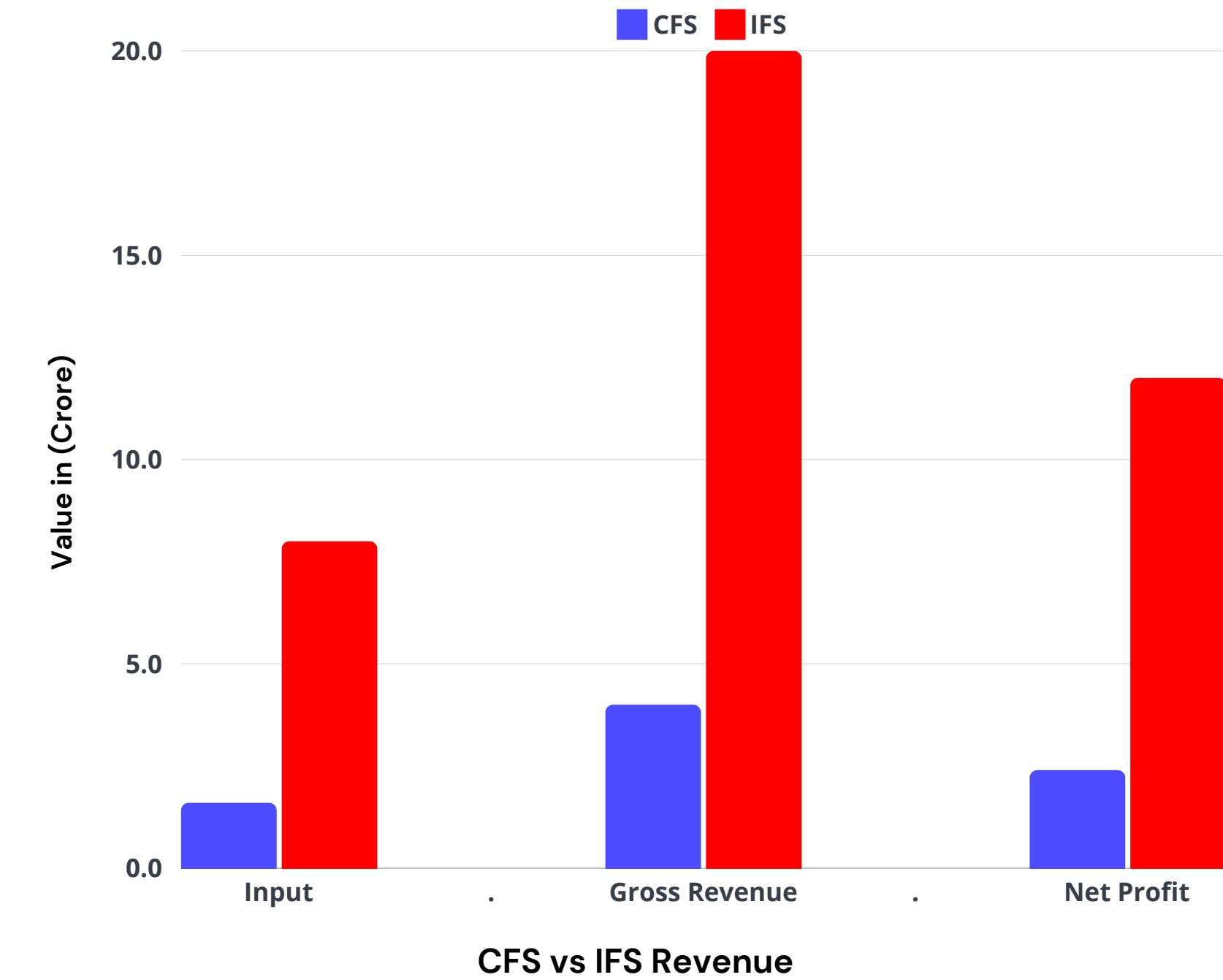
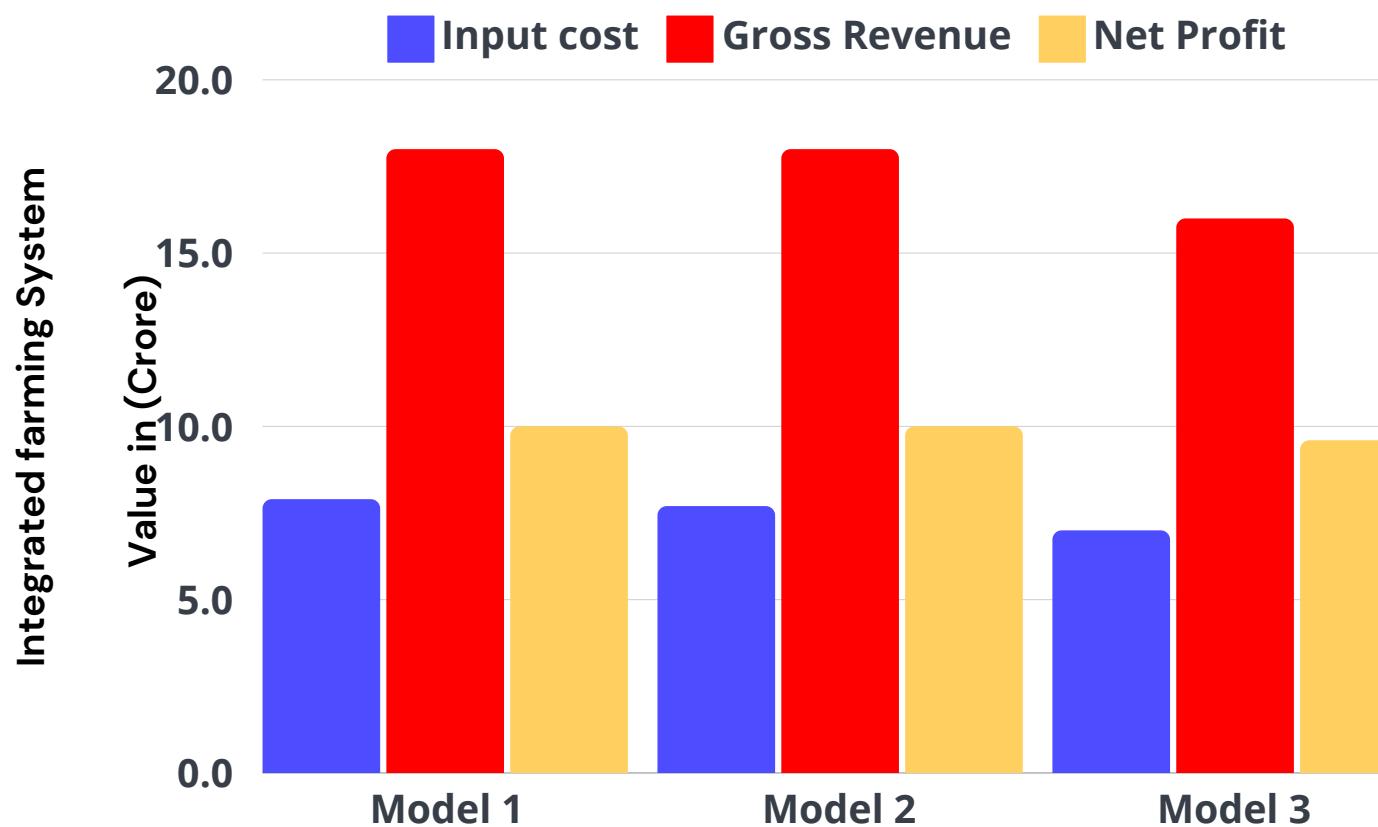
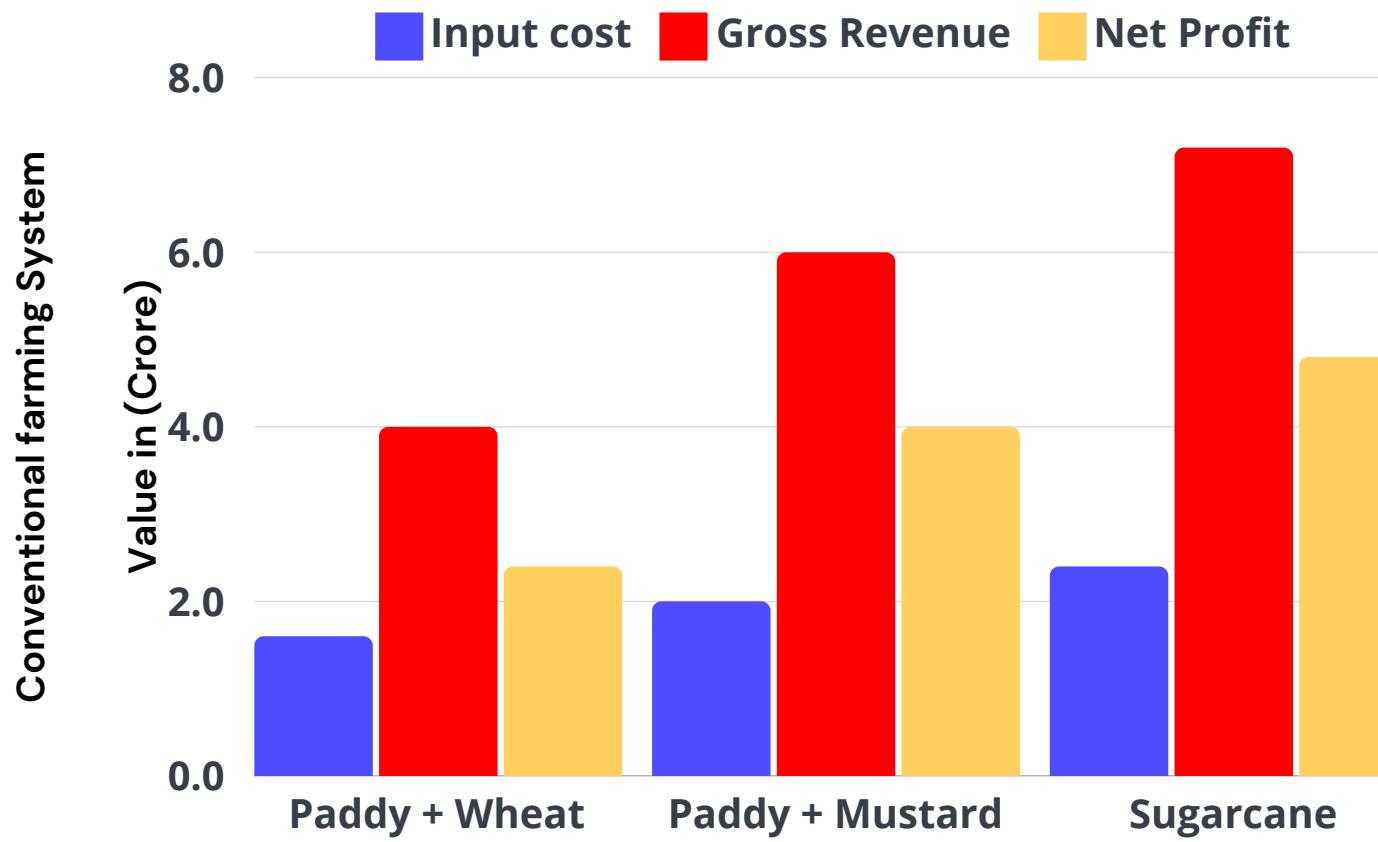
Earth

N



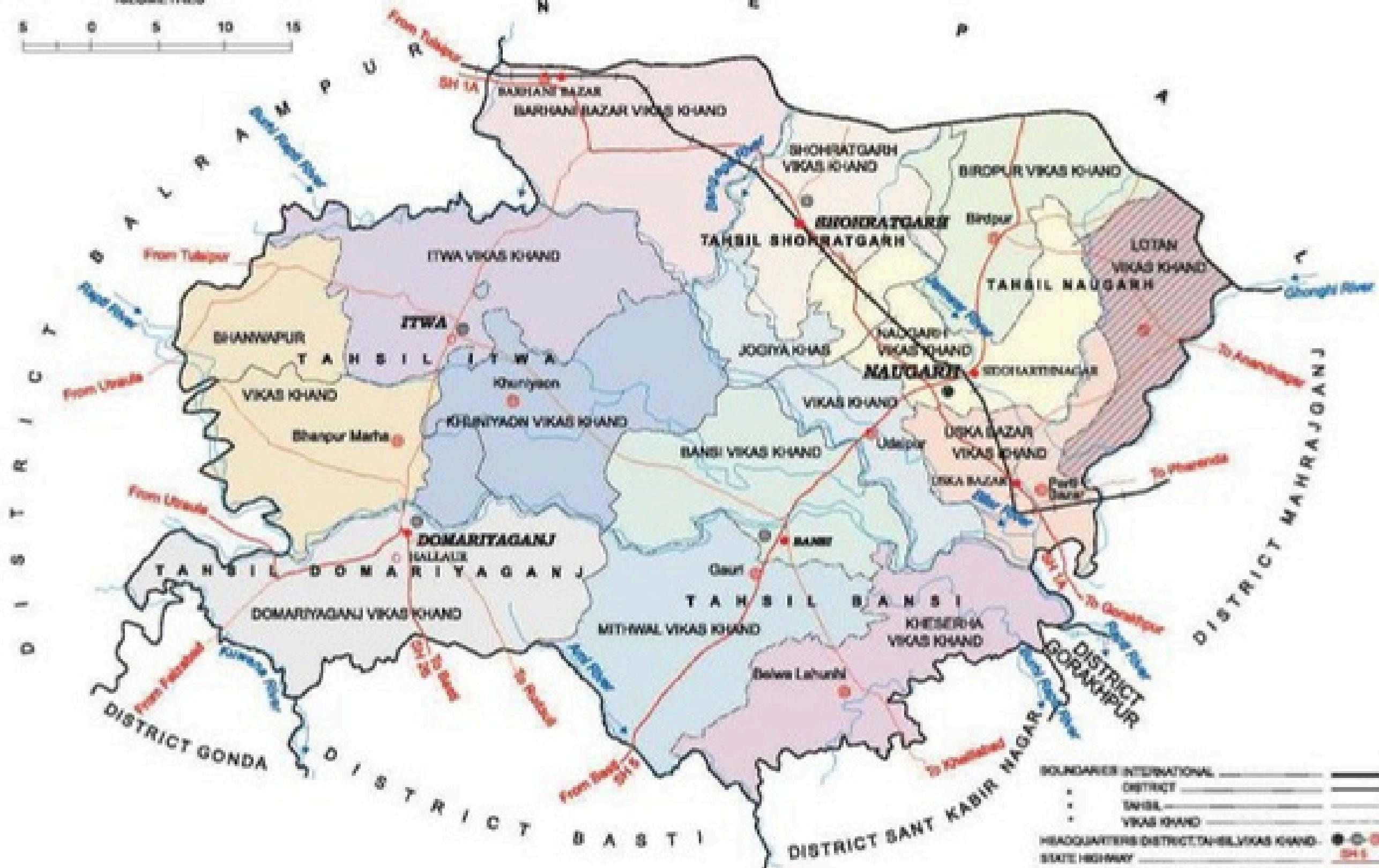
Economics Difference of CFS & IFS

Per Village



INDIA
UTTAR PRADESH
DISTRICT SIDDHARTHNAGAR

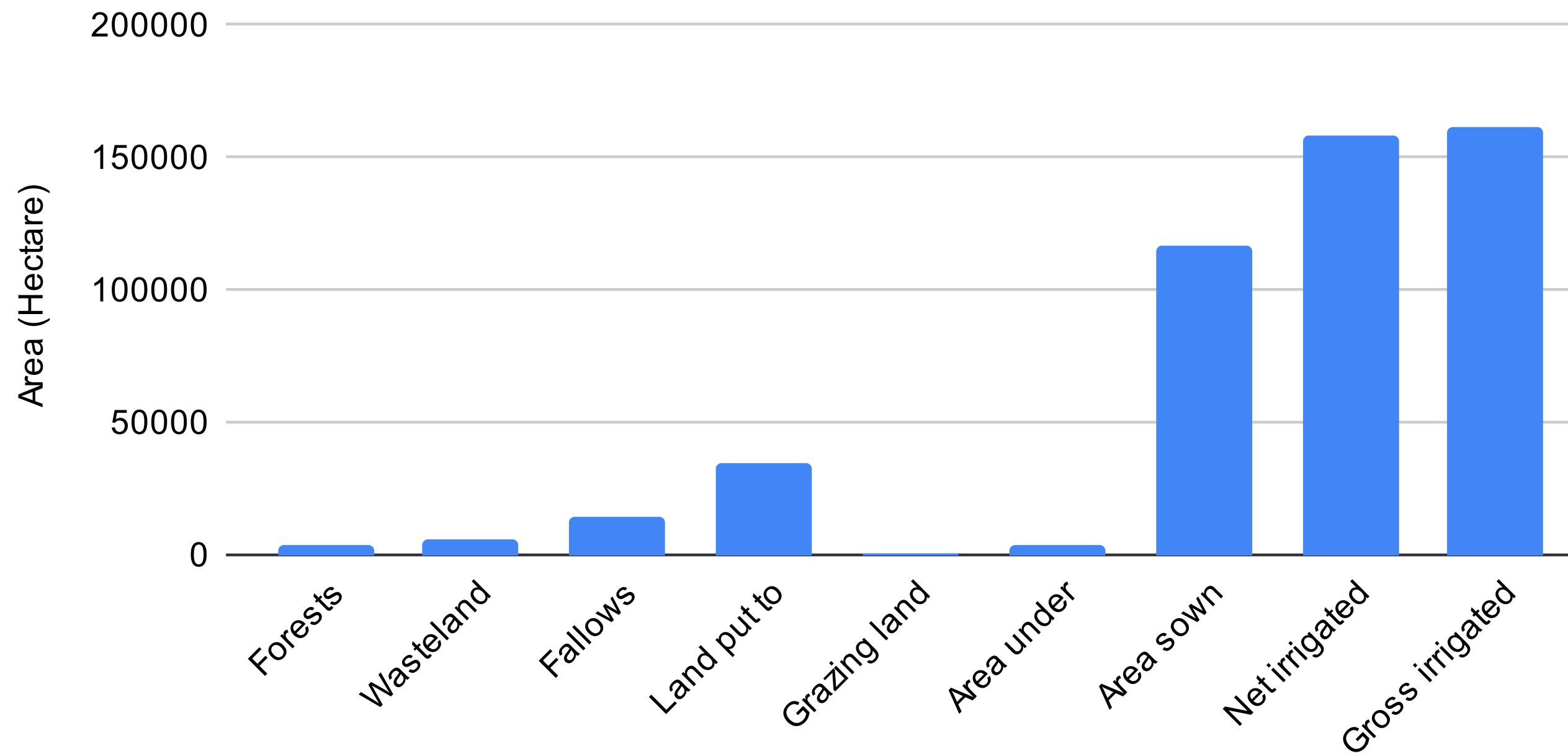
KILOMETRES



NEWLY CREATED VIKAS KHAND.

Note: District/Tahsil Headquarters is also the Tahsil/Vikas Khand Headquarters.

Siddharthanagar Land Use Pattern

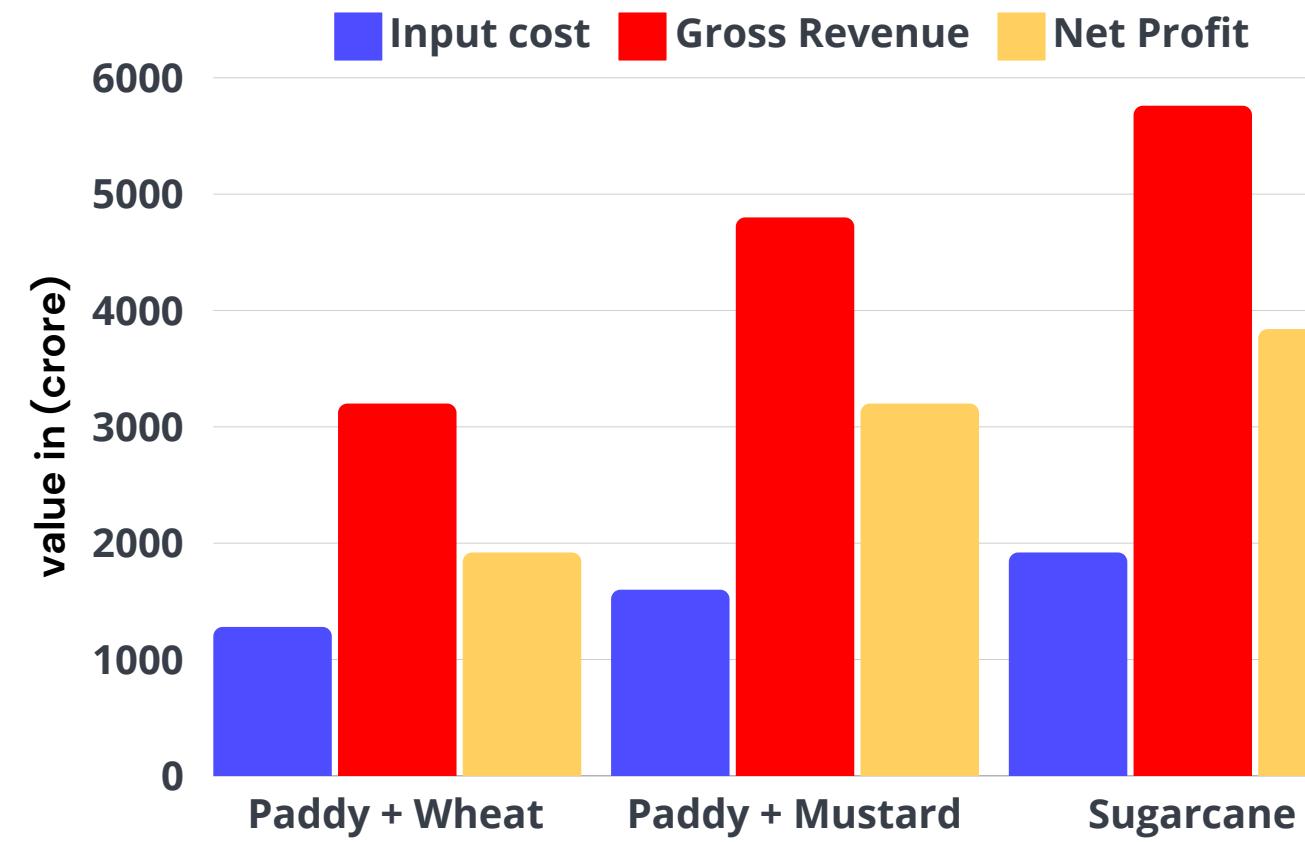


100 Hectare = 1 Kilometer Square

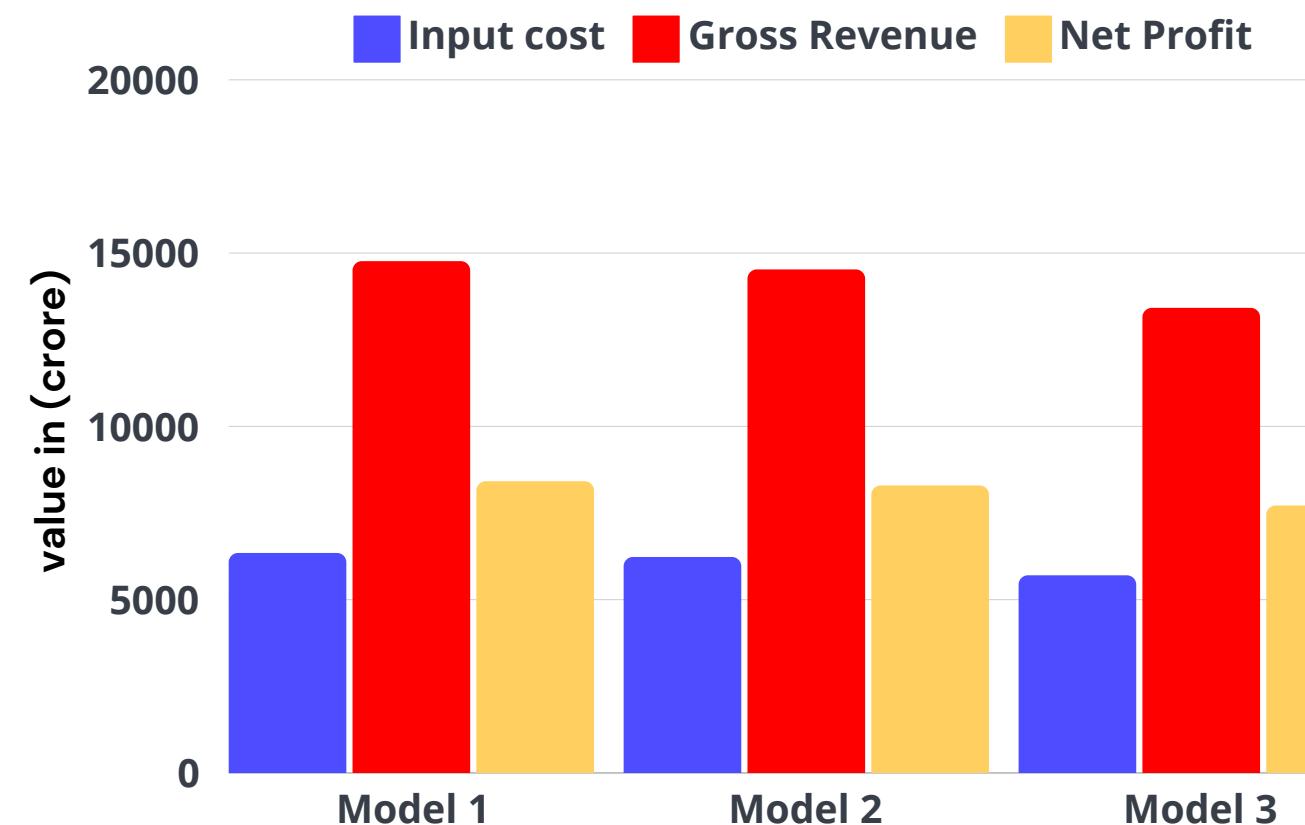
Economics Difference of CFS & IFS

Per District

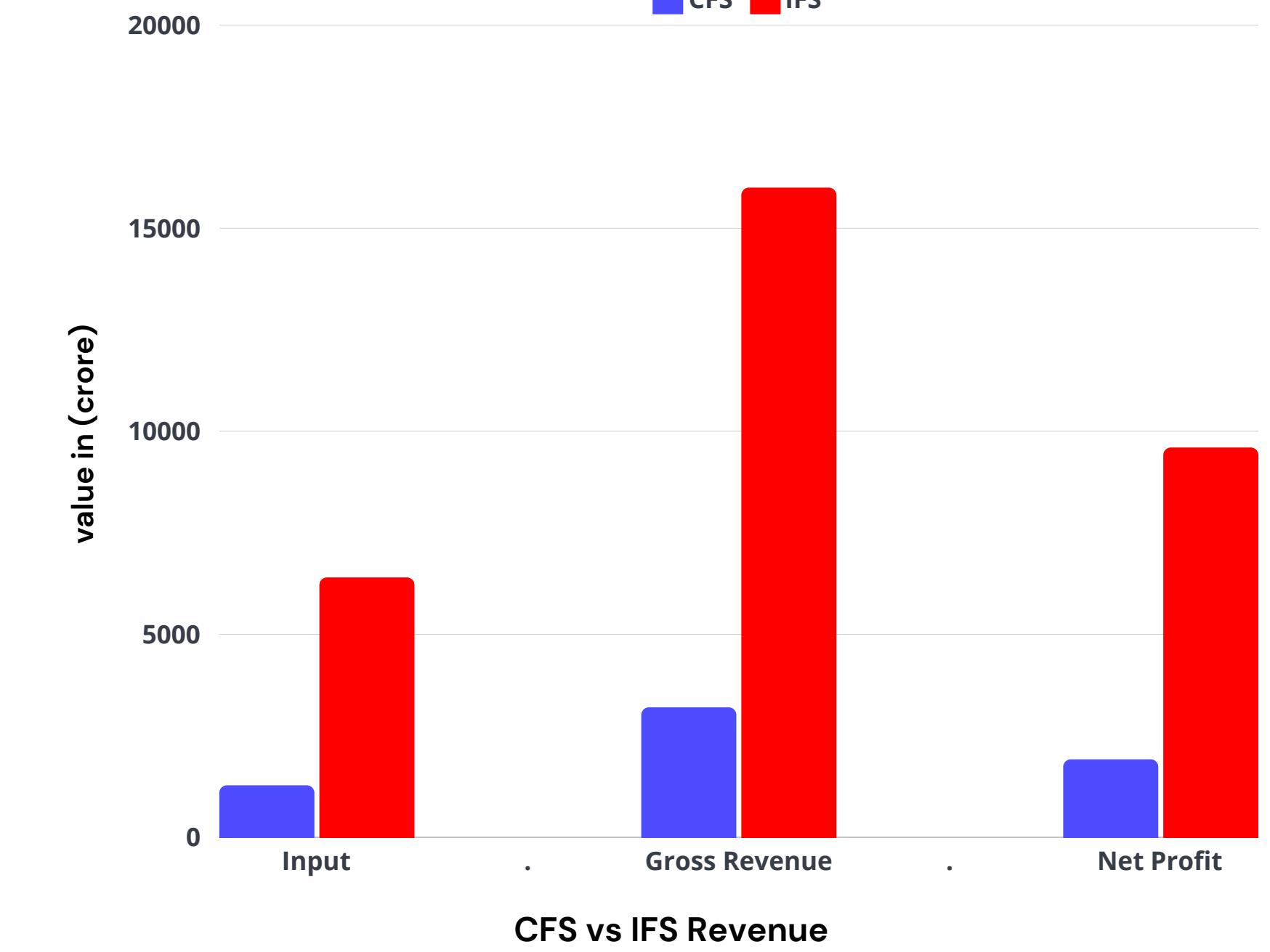
Conventional farming System



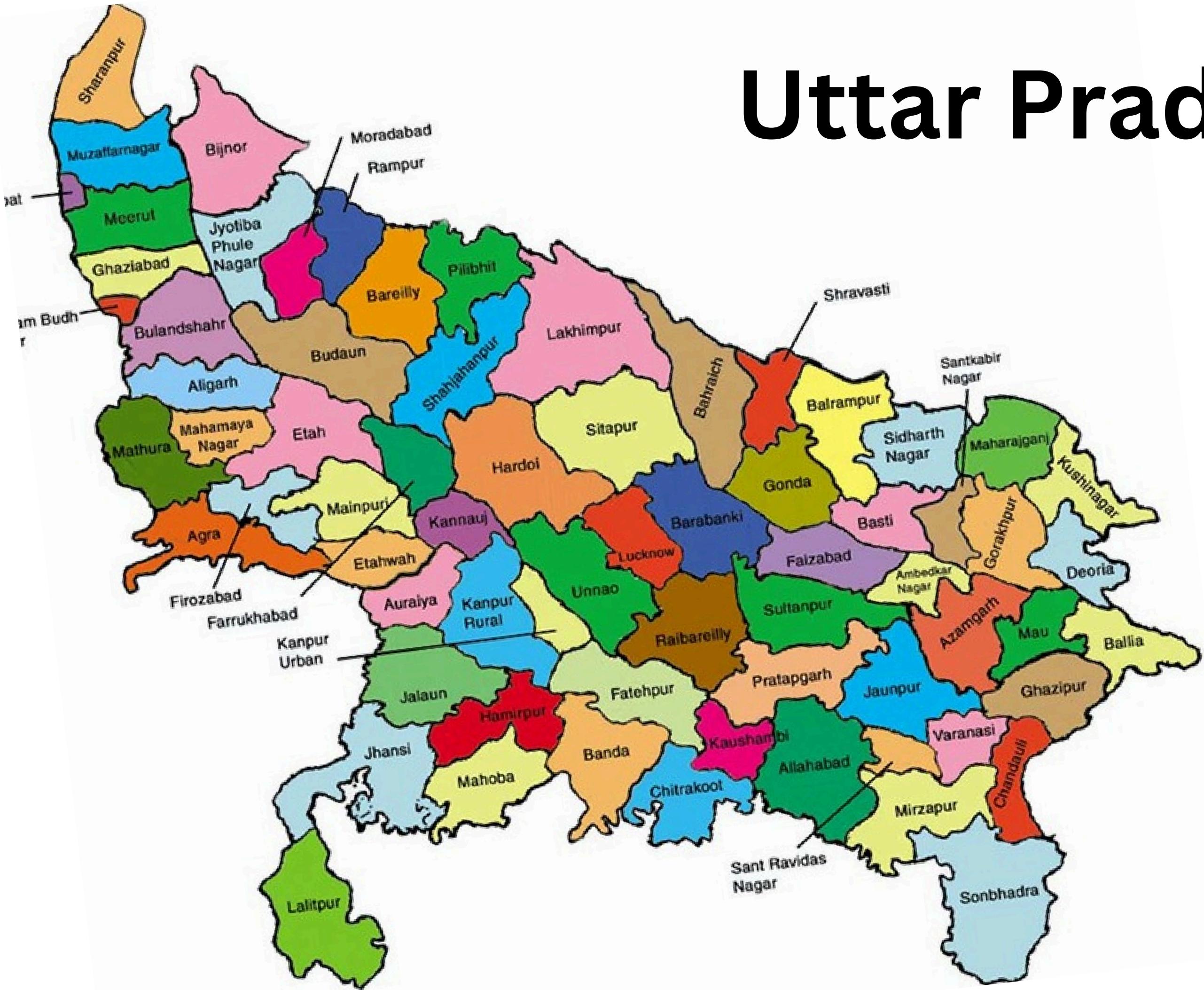
Integrated farming System



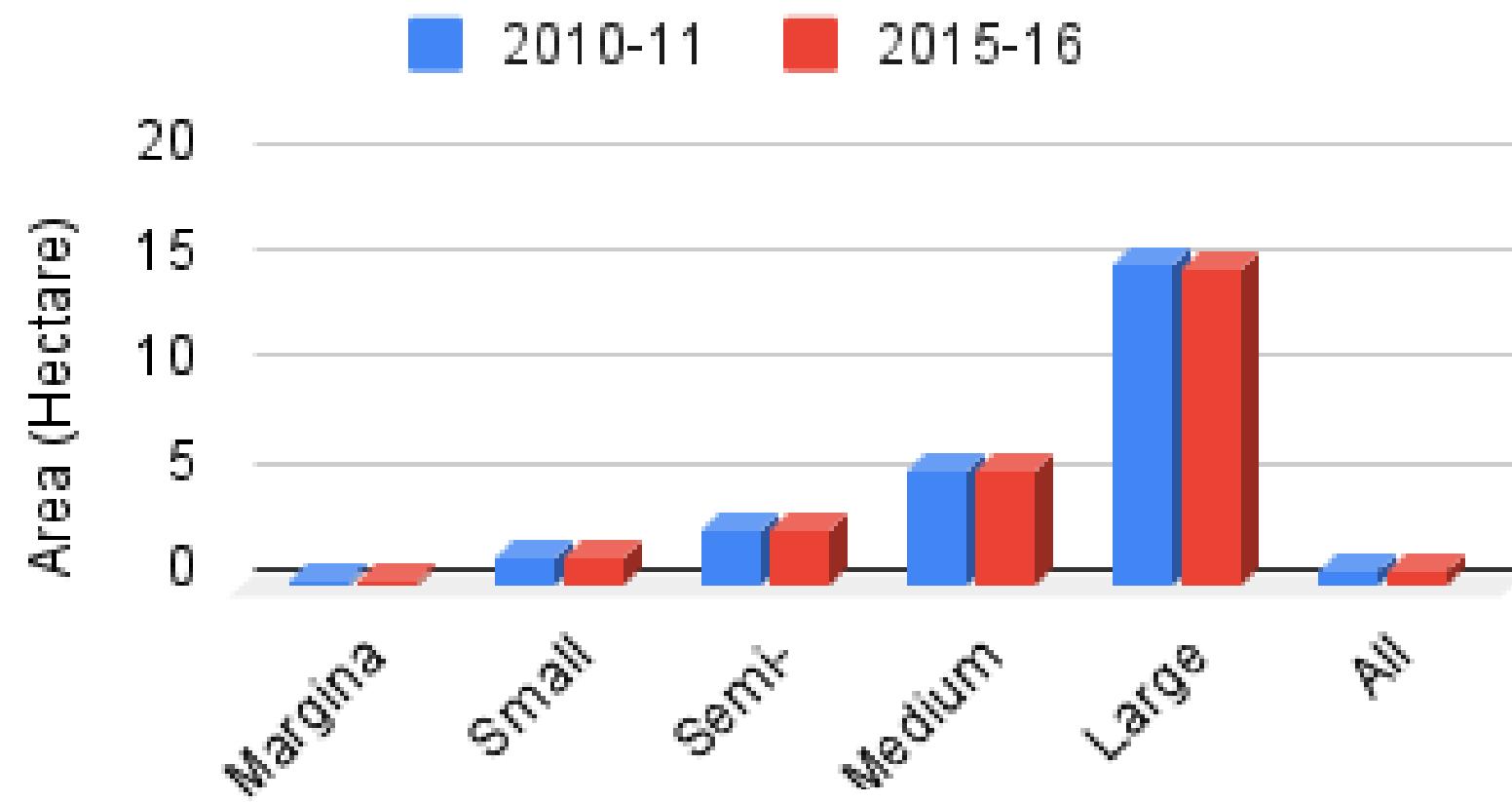
value in (crore)



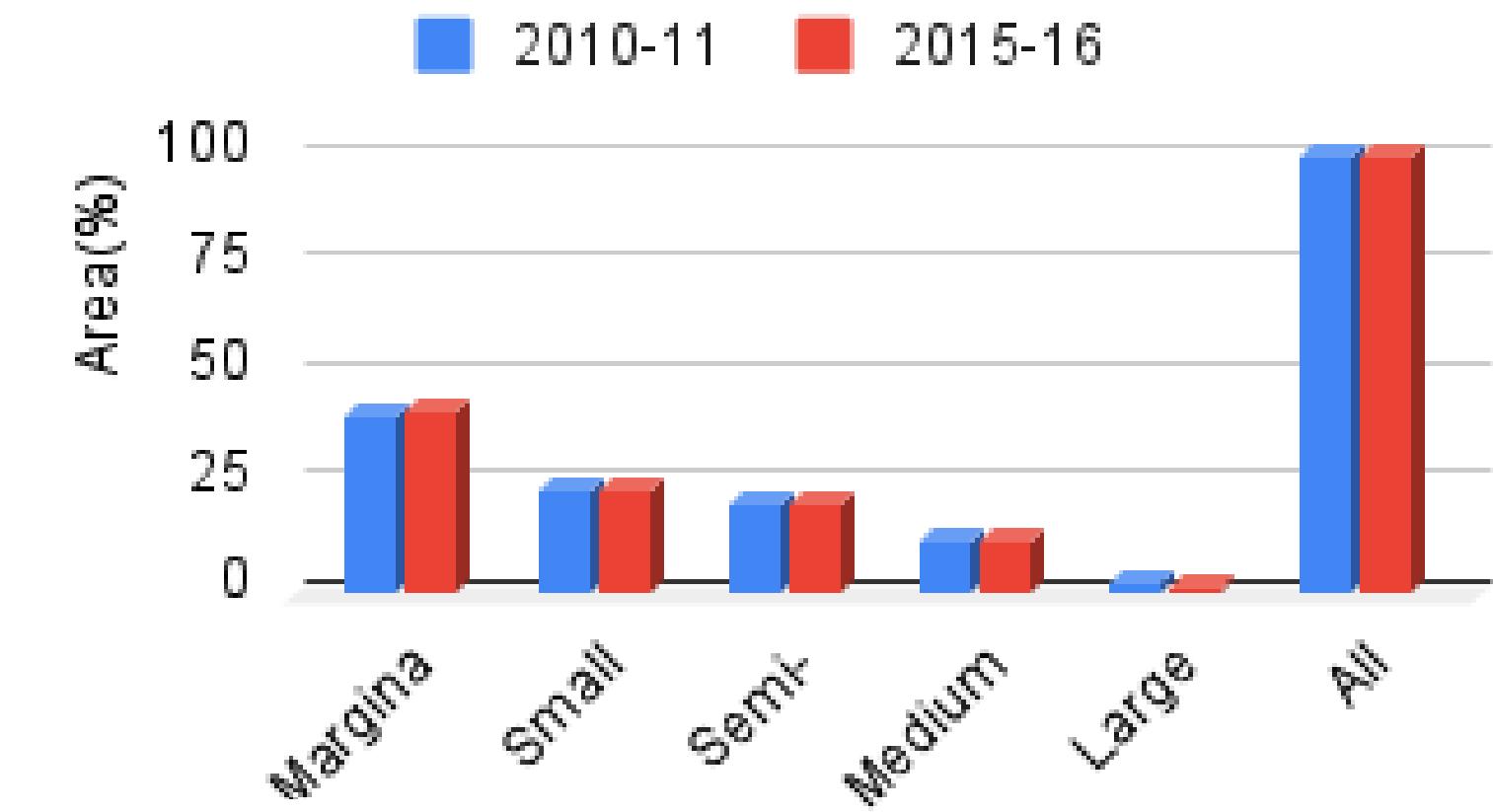
Uttar Pradesh



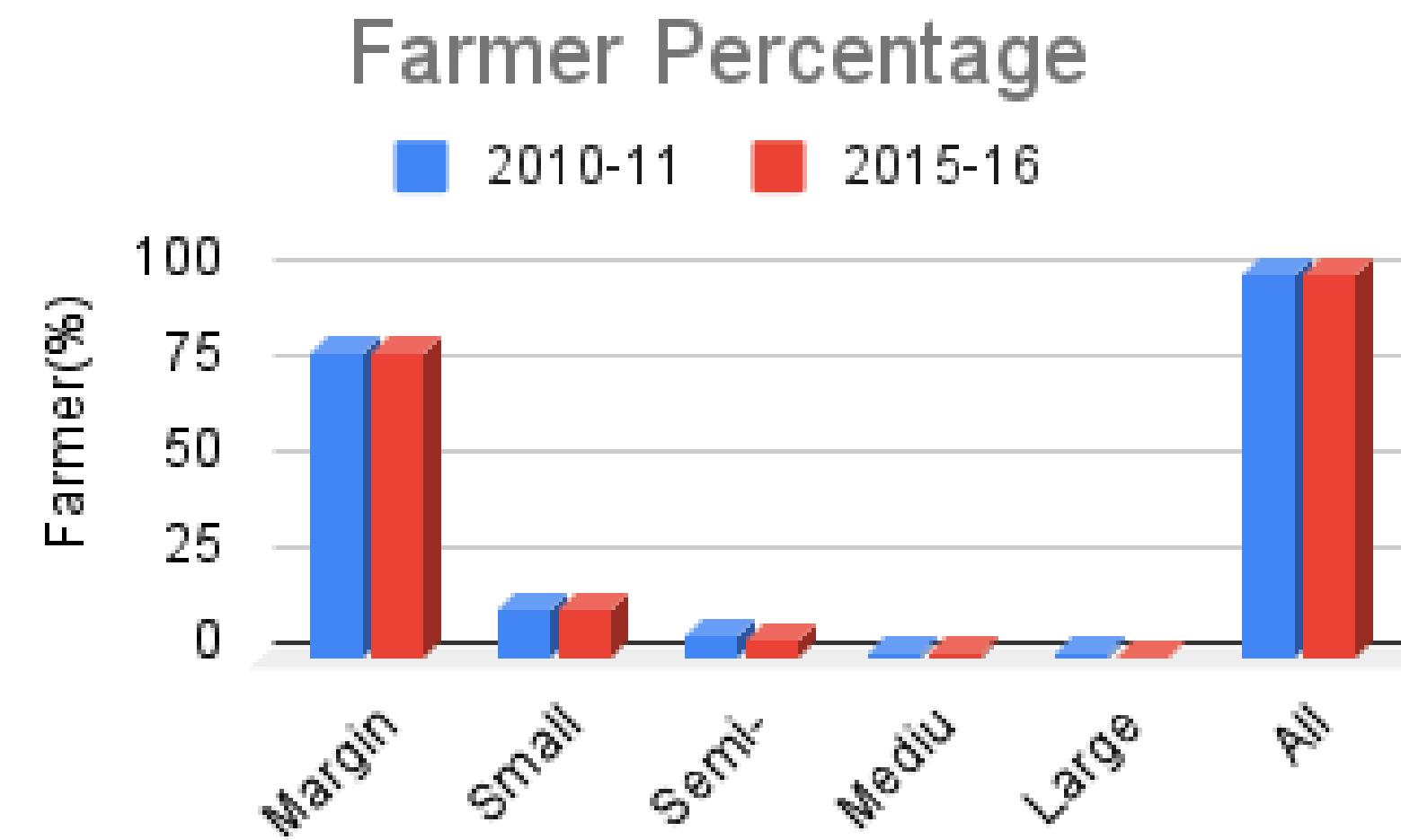
Size of Land Holdings



Land Holding Pattern



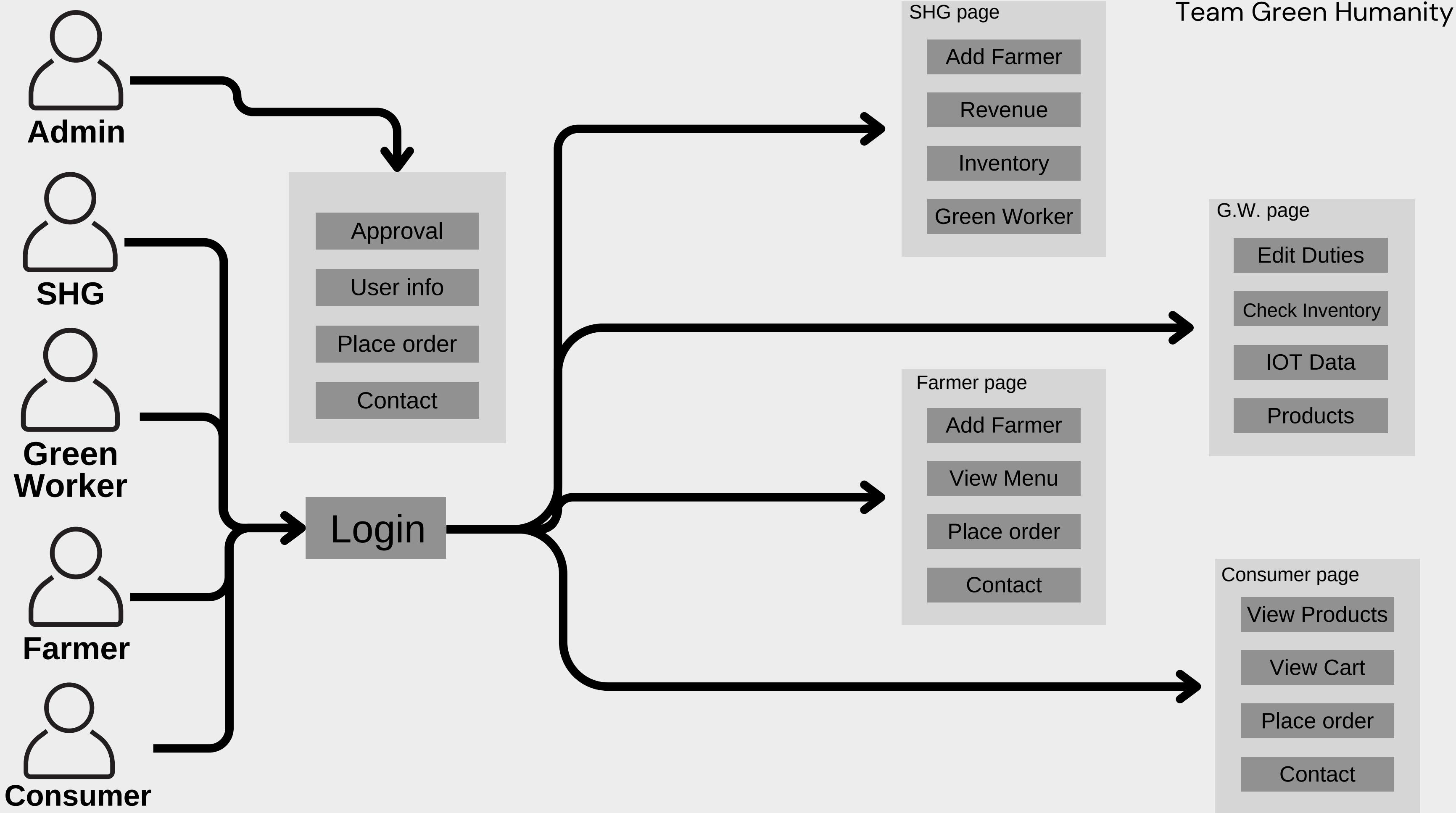
Farmer Percentage



Team Green Humanity

Guide to our Website





Team Green Humanity

 **Green Humanity**

Create and account

Full name

Your email

PhoneNumber

Password

Confirm password

Create an account

Already have an account? [Login here](#)

 **Green Humanity**

Sign in to your account

PhoneNumber

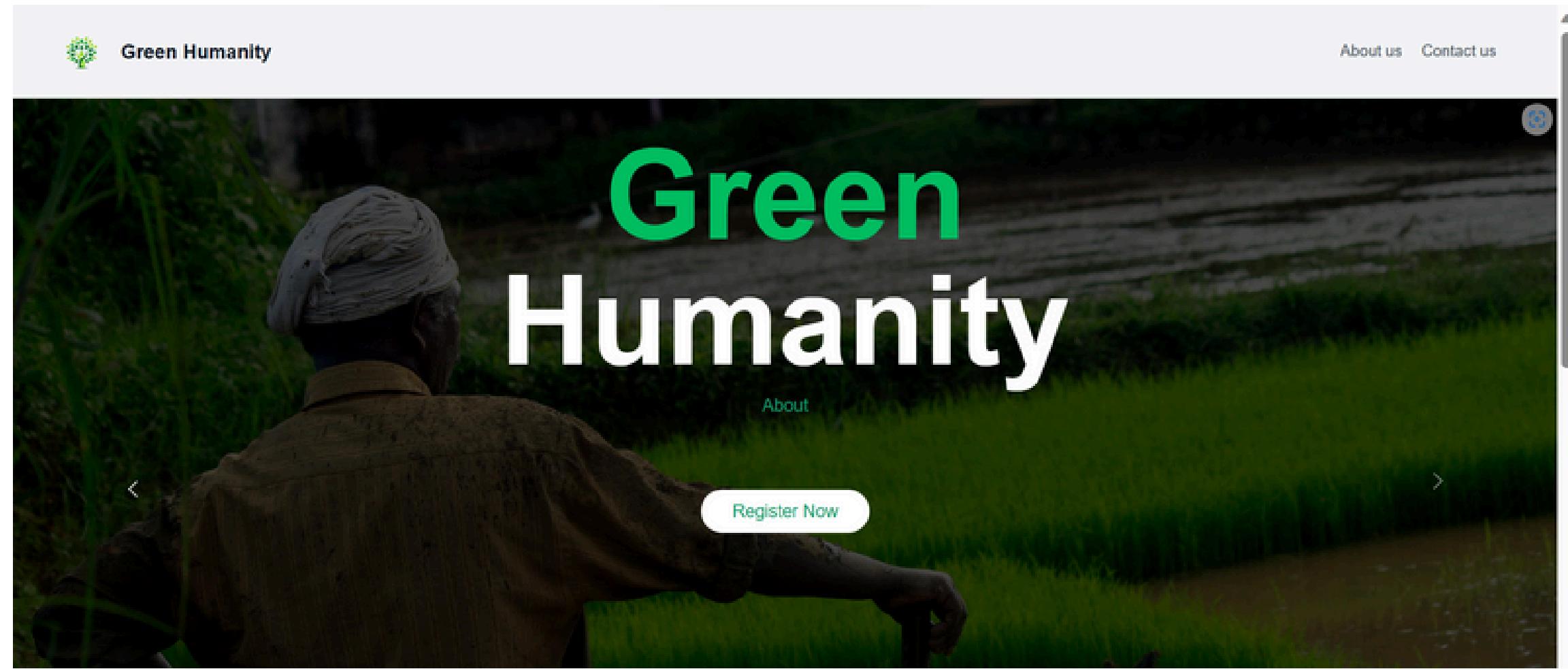
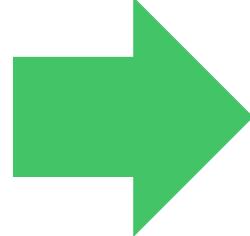
Password

Remember me [Forgot password?](#)

Sign in

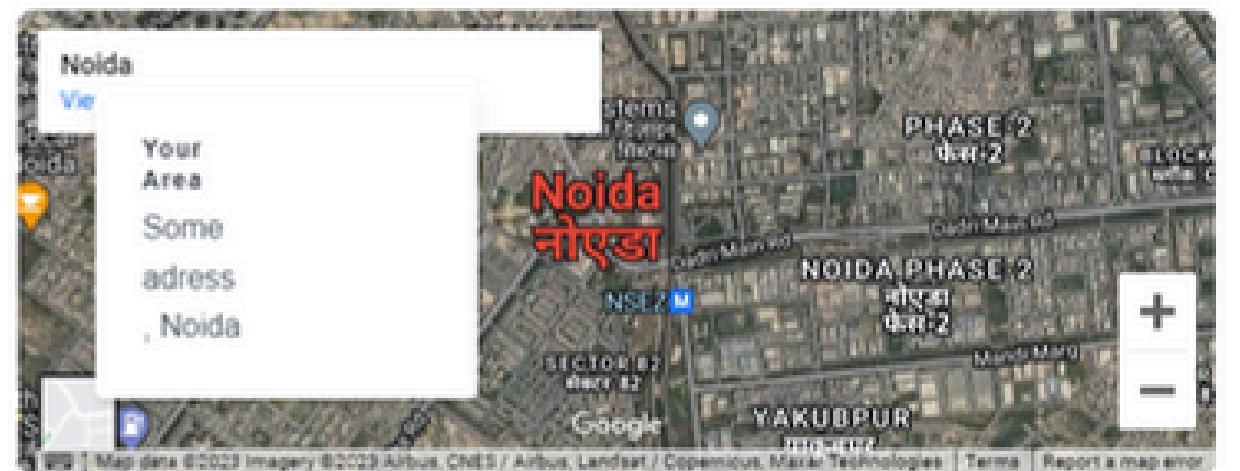
Don't have an account yet? [Sign up](#)

Team Green Humanity



A screenshot of the website's product page. It shows three items: Wheat (Prices Rs.2000), Rice (Prices Rs.90), and Fertilizer (Prices Rs.100). Each item has an "ADD TO CART" button. On the left, there is a sidebar with navigation links: Overview, Pages, Authentication, Gallery, and Help. A watermark for "Activate Windows" is visible at the bottom.

A screenshot of the website's "Rental Land" page. It features a large image of a tractor working in a field. On the left, there is a sidebar with navigation links: Overview, Pages, Authentication, Gallery, and Help. A watermark for "Activate Windows" is visible at the bottom.



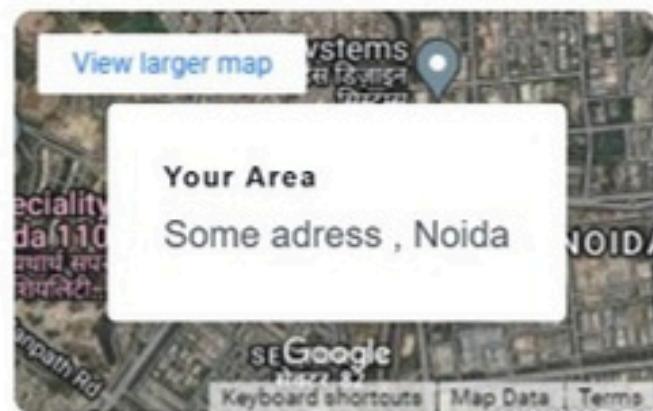
SHG Dashboard

Harshit K - SHG

Area - Some address , Noida

[View farmers](#)

[View GreenWorker](#)



SHG Dashboard

Harshit K - SHG

Area - Some address , Noida

[View farmers](#)

[View GreenWorker](#)

[Refresh Data](#)

S.No	Name	Quantity	Description	Status
1	Tomato	10	Tomato from farm	deleted
2	Orange	10	Orange from farm	deleted
3	Wheat	99	Wheat from farm	updated
4	Rice	20	20Kg from farm	added
5	Rice	20	20Kg from farm	deleted
6	Rice	20	20kg add	added
7	Rice	20	20kg	updated
8	Beans	50	vegetable	added
9	Beans	50	green vegi	updated



Name

Quantity

Description

[Add](#)[Refresh Data](#) Search

S.No	Name	Quantity	Description	Update	Delete
1	Apple	10	Apple from farm	Update	Delete
2	Banana	10	Banana from farm	Update	Delete
3	Grapes	10	Grapes from farm	Update	Delete
4	Strawberry	10	Strawberry from farm	Update	Delete
5	Pineapple	10	Pineapple from farm	Update	Delete
6	Mango	10	Mango from farm	Update	Delete

[Refresh Data](#)

Search

S.No	Description	Status	Amount	Date
1	Loan	Credit	2000	-
2	Loan	Credit	2000	-

[Refresh Data](#)

Search

S.No	Name	Quantity	Delete
1	Tractor	2	Delete
2	Fertilizer	20 Kg	Delete
3	Pesticide	20 Kg	Delete
4	Seeds	20 Kg	Delete
5	Water	20 Kg	Delete

**Total Balance: Rs.31874**

Description

Select Status

Amount

Date

 dd-mm-yyyy **Add****Refresh Data****Search**

S.No	Description	Status	Amount	Date
1	Loan	Credit	9842	2021-12-13T08:42:42.232Z
2	IOT device	Debit	-2032	2021-12-13T08:42:42.232Z
3	IOT device	Debit	-2032	2021-12-13T08:42:42.232Z
4	IOT device	Credit	2032	2021-12-13T08:42:42.232Z
5	IOT device	Debit	-2032	2021-12-13T08:42:42.232Z
6	IOT device	Credit	2032	2021-12-13T08:42:42.232Z



Green Humanity(View products)

[Products history](#) [Logout](#)

Name

Quantity

Description

Add

Refresh Data

Search

S.No	Name	Quantity	Description
1	Apple	10	Apple from farm
2	Banana	10	Banana from farm
3	Grapes	10	Grapes from farm
4	Strawberry	10	Strawberry from farm
5	Mango	10	Mango from farm



Green Humanity(View Revenue)

[View history](#) [Logout](#)

Total Balance: Rs.31874

Description

Select Status



Amount

Date

Add

Refresh Data

Search

S.No	Description	Status	Amount	Date
1	Loan	Credit	9842	2021-12-13T08
2	IOT device	Debit	-2032	2021-12-13T08
3	IOT device	Debit	-2032	2021-12-13T08
4	IOT device	Credit	2032	2021-12-13T08



Green Humanity(Products history)

Logout

Refresh Data

Search

S.No	Name	Quantity	Description	Status
1	Tomato	10	Tomato from farm	delete
2	Orange	10	Orange from farm	delete
3	Wheat	99	Wheat from farm	update
4	Rice	20	20Kg from farm	add
5	Rice	20	20Kg from farm	delete
6	Rice	20	20kg add	add
7	Rice	20	20kg	update
8	Beans	50	vegetable	add
9	Beans	50	green vegi	update
10	Wheat	99	Wheat from farm	delete

< >



Green Humanity(Revenue history)

Logout

Refresh Data

Search

S.No	Description	Status	Amount	Date
1	Loan	Credit	2000	-
2	Loan	Credit	2000	-

< >

1 - 2 of 2

Rows per page: 10 ▾

Features of our Web/App

Team Green Humanity

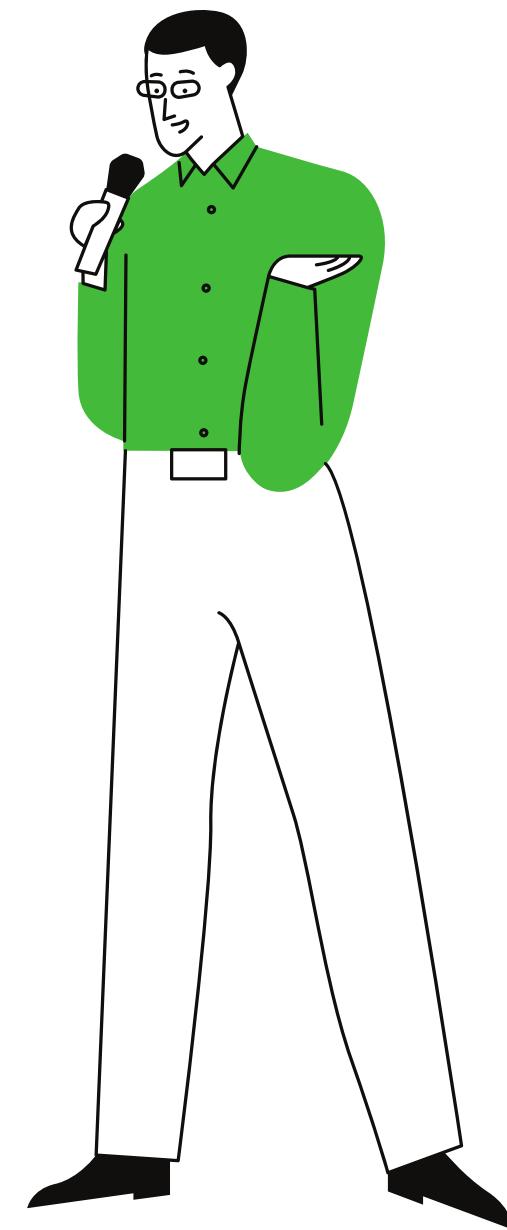
1 Multi-device Responsive

2 Low data Usage

3 Multi-lingual Support

4 Easy to Use

5 Dynamic and Robust



GreenHumanity Socials

Team Green Humanity



Our Website



We on Instagram



We on Linkedin



Our Youtube channel



social.greenhumanity@gmail.com



Team Green Humanity

TEAM MEMBERS



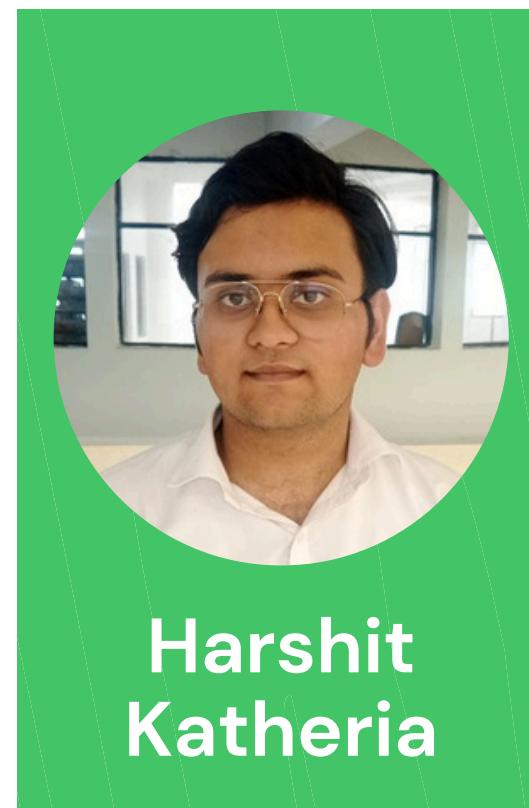
**Ravi
Chaudahry**

Team Leader



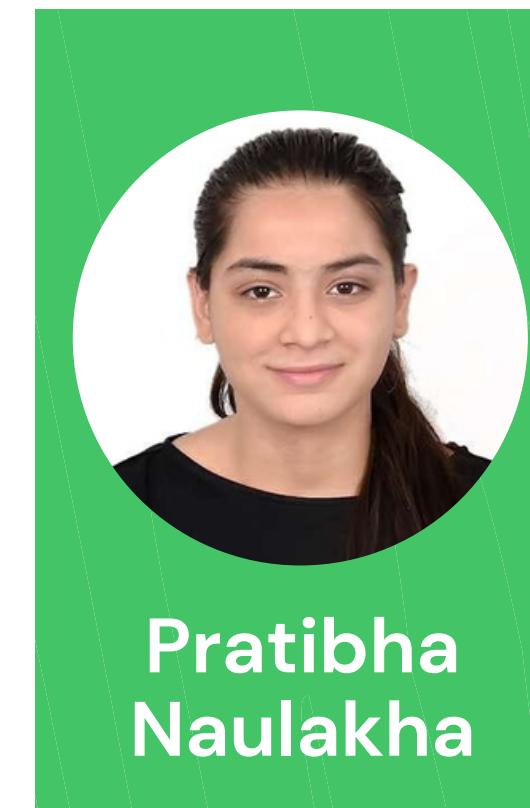
Sajal Jha

Designer



**Harshit
Katheria**

Developer



**Pratibha
Naulakha**

Presenter



**Dhruv
Chaudhary**

Presenter



**Syed
Faizan**

Coordinator