
TEFAIS
TEFAIS
Commercial
Microgreens
System




**Model 1**


1 FT
(12 INCH)
1 FT
(12 INCH)
1 FT
(12 INCH)
1 FT
(12 INCH)
1 FT
(12 INCH)
5 FT 2 INCH
(62 INCH)
1 FT 9 INCH
(21 INCH)
4 FT 2 INCH
(50 INCH)
Model 2


1 FT
(12 INCH)
1 FT
(12 INCH)
1 FT
(12 INCH)
1 FT
(12 INCH)
5 FT 2 INCH
(62 INCH)
4 FT 2 INCH
(50 INCH)
1 FT 9 INCH
(21 INCH)

**Model 3**


1 FT
(12 INCH)
1 FT
(12 INCH)
1 FT
(12 INCH)
1 FT
(12 INCH)
1 FT
(12 INCH)
5 FT 2 INCH
(62 INCH)
1 FT 9 INCH
(21 INCH)
4 FT 2 INCH
(50 INCH)
Model 4


Model 1


Model 2


Model 3

# TEFAIS Commercial Microgreens System

Business Solution for Indoor Microgreens Production

## Model Options & Pricing

| | | | |
|---|---|---|---|
| GI | Model 1 | • 20 Trays<br>• LED Grow Lights<br>• Air Circulation Fans | ₹26,200 + GST |
| | Model 2 | • 20 Trays<br>• Air Circulation Fans | ₹21,335 + GST |
| UPVC | Model 1 | • 20 Trays<br>• LED Grow Lights<br>• Air Circulation Fans | ₹20,245 + GST |
| | Model 2 | • 20 Trays<br>• Air Circulation Fans | ₹15,450 + GST |

If you'd like to add wheels to the setup, an additional ₹600 will be charged.

## Rack Specifications

### Structure

- Material: Galvanized Iron (GI)
- Fully Welded Construction
- Strong and Durable Design
- Rust Resistant
- Suitable for Indoor Commercial Use

### Dimensions

- Height: 5 ft 2 in
- Length: 4 ft 2 in
- Width: 1 ft 9 in
- Shelf Spacing: 1 ft

## LED Grow Light System

- 10 LED Grow lights
- Installed approximately 25 cm above crop canopy

### Why?

- Uniform light distribution
- Suitable for indoor microgreens production
- Encourages healthy and compact growth
- Enables year-round cultivation
- Reduced dependence on natural sunlight

## Airflow System

- 10 Air Circulation Fans
- Installed at both ends of each growing level

### Why?

- Improved airflow
- Reduced humidity build-up
- Stronger stem development
- Reduced risk of fungal issues
- Consistent crop growth

## What's Included

- GI Rack Structure
- 20 Growing Trays
- LED Grow Light System (Model Dependent)
- Air Circulation Fans
- Wheels (Model Dependent)
- Complete Wiring & Electrical Installation
- Plug-and-Play Setup

*Seeds and cocopeat can be supplied separately based on customer requirements.*

## Suitable Crops

**The system is suitable for growing:**

- Sunflower Microgreens
- Radish Microgreens
- Mustard Microgreens
- Broccoli Microgreens
- Fenugreek Microgreens
- Wheatgrass
- Green Amaranthus
- Red Amaranthus
- Coriander Microgreens

## Advantages of the TEFAIS Microgreens System

- Compact footprint with high production capacity
- 40 sq ft growing area within approximately 8 sq ft of floor space
- Suitable for home-based and commercial production
- Easy to operate and maintain
- Indoor year-round growing capability
- Designed specifically for microgreens cultivation
- Expandable and scalable for future business growth
- Ideal for first-time entrepreneurs and urban farmers

# Business Potential & Return on Investment

## Why TEFAIS Microgreens Business is an Attractive Opportunity

Designed to help entrepreneurs build a profitable microgreens business.

## Production Capacity

### Rack Capacity

- 20 Growing Trays
- Each Tray Size: 2 ft × 1 ft
- Total Growing Area: 40 sq ft

### Typical Crop Cycle

Most microgreens are harvested within:

- 7 to 12 Days

This allows multiple production cycles every month.

## Estimated Yield

300–500 grams per tray per cycle

### Per Growing Cycle

- 20 Trays × 350 grams
- ≈ 7 kg of Microgreens

### Per Month

- Assuming 3 crop cycles per month:
- 7 kg × 3 cycles
- ≈ 21 kg of Microgreens per Month

Actual yields may vary depending on crop variety, growing conditions, and management practices.

## Potential Monthly Revenue

- At a selling price of ₹1,500 per kg, the system has the potential to generate approximately ₹31,500 in monthly revenue.

*The current market price is approximately ₹2,000 per kg.*

# TEFAIS Advantage

| One time Investment | Monthly Revenue |
|---|---|
| ₹26,200 + GST | ₹31,500 |

## Why Model 1 is Recommended for New Entrepreneurs

Benefits:
✓ Consistent lighting throughout the year
✓ Reduced dependence on sunlight
✓ Better crop uniformity
✓ Improved growth consistency
✓ Easy movement and maintenance
✓ Suitable for apartments, homes, commercial spaces, and indoor farming rooms

The integrated LED Grow lighting and airflow system help reduce common beginner challenges such as uneven growth, stretching, and poor ventilation.

## Business Perspective

The TEFAIS Commercial Microgreens System is more than just a growing setup it is a compact production unit designed to help entrepreneurs establish and scale a microgreens business.

With a growing area of 40 sq ft, the system provides an efficient platform for producing fresh microgreens in a small footprint while creating opportunities to supply:

- Restaurants
- Cafes
- Health-conscious consumers
- Organic stores
- Farmers' markets
- Direct-to-consumer subscriptions

The goal is to provide a practical and scalable starting point for commercial microgreens production.

# Warranty & Terms

- Prices are exclusive of GST unless otherwise stated.
- Transportation is separate.
- Product specifications are subject to minor improvements without prior notice.
- Delivery timelines will be confirmed at the time of order.

# TEFAIS

The Eco Friendly And Innovative Society

**Hydroponics | Microgreens | Urban Farming | Vertical Farming Solutions**

Hyderabad, Telangana

*"Empowering sustainable food production through innovative growing systems."*