



SUSTAINABLE DEVELOPMENT PRACTICES

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SDG GOAL

Chosen SDG goal:

SDG 2 **ZERO HUNGER**



- The Sustainable Development Goal 2 (SDG 2) is an integral part of the 2030 Agenda for Sustainable Development, which has been endorsed by all United Nations Member States in 2015.
- It will end hunger, achieve food security, improve nutrition, and ensure sustainable agriculture throughout the world. SDG 2 recognizes that hunger elimination is essential for the establishment of a more peaceful, equitable, and resilient world.

ESSENTIAL COMPONENTS OF SDG 2:

MAJOR ELEMENTS OF SDG 2:

- End hunger and ensure access to safe, nutritious, and sufficient food. Eliminate all malnutrition.
- Double agricultural productivity and small-scale food producers' incomes. Ensure sustainable food production systems.

PROBLEM:

Food Waste and Hunger Co-existence

JUSTIFICATION:

I've focused on "**High dropout rates among vulnerable populations in secondary education**" because it directly undermines the core aims of SDG 4.

- Food insecurity is increasing worldwide after the pandemic.
- Aligns very much with the moral imperative to redistribute resources efficiently.
- Creates a chance to apply technology for direct, concrete good.

DESCRIPTION:

- The root cause is not only food shortage, but wasteful distribution.
- Millions of tons of food are wasted every year worldwide while millions of individuals starve.

- **SDG 2 - Zero Hunger:**

Addresses food availability and fair distribution directly.

- **SDG 12 - Responsible Consumption and Production:**

Reduces wastage of food by having improved redistribution mechanisms.

Previous Financial Year (FY 2023-24) India :

- **Department of Food and Public Distribution** : Food subsidy of approx ₹2.15 lakh crore
(Source: Union Budget 2023-24)
- **PM Poshan Scheme (Mid-day meals)** : ₹11,600 crore.

Current Financial Year (FY 2024-25) India:

- **Food Subsidy** : Raised to approximately ₹2.2 lakh crore.
- **PM Poshan** : Kept ₹11,600 crore with added provisions for food fortification and nutrition schemes.

- **Pradhan Mantri Garib Kalyan Anna Yojana (PMGKAY):**

Provides free food grains to poor families.

- **Mid-Day Meal Scheme (PM POSHAN):**

School meals to address child hunger and malnutrition.

- **One Nation One Ration Card Scheme:**

Portability of food subsidies across India.

- **Food Waste Reduction Initiatives:**

Guidelines issued to hotels and restaurants for reducing food waste.

Our Project:

Interactive Food Donation Platform

How It Works :

- User Posts Request: Donate or Request Food.
- Nearby NGOs Notified: Accept/Decline/Forward the request.
- Tracking System: Donors and NGOs can track food delivery and status.
- Volunteer System: Volunteers can participate in donation drives.
- Feed Page: Community page, updates, awareness posts.

Technical Stack:

- Frontend: React + Tailwind CSS
- Backend: JavaScript (Node.js based)
- Database: MySQL
- Hosting & Notifications: Google Cloud Services

- **AI-based Food Demand Prediction:**

Assists organizes food donation drives effectively.

- **Mobile App Expansion:**

For convenient access and greater users.

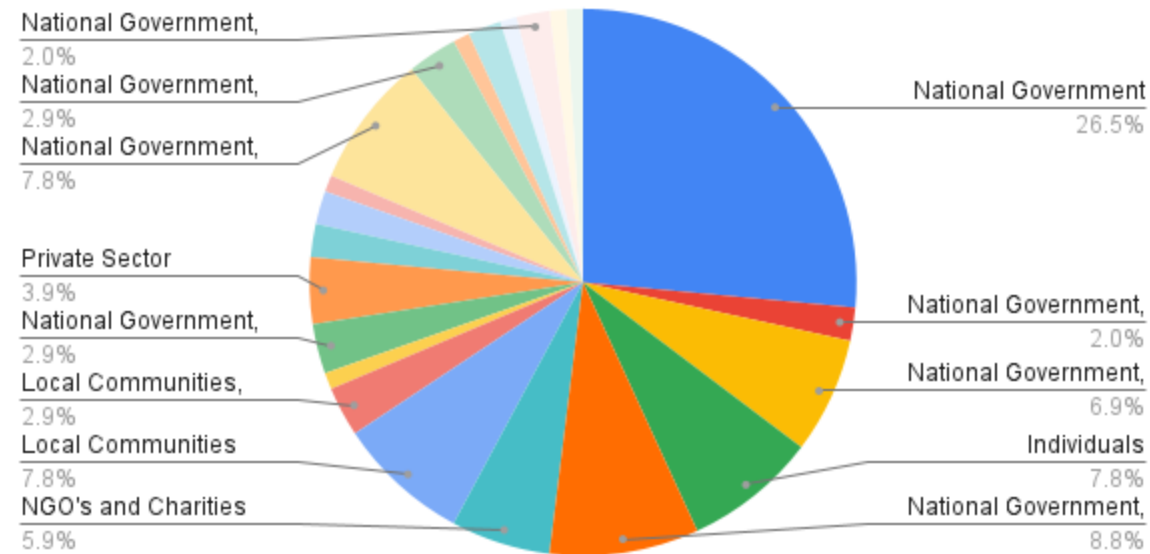
- **Expansion to New Cities and Rural Areas:**

Pilot successful, plan to roll out geographically.

RESPONSES

1,

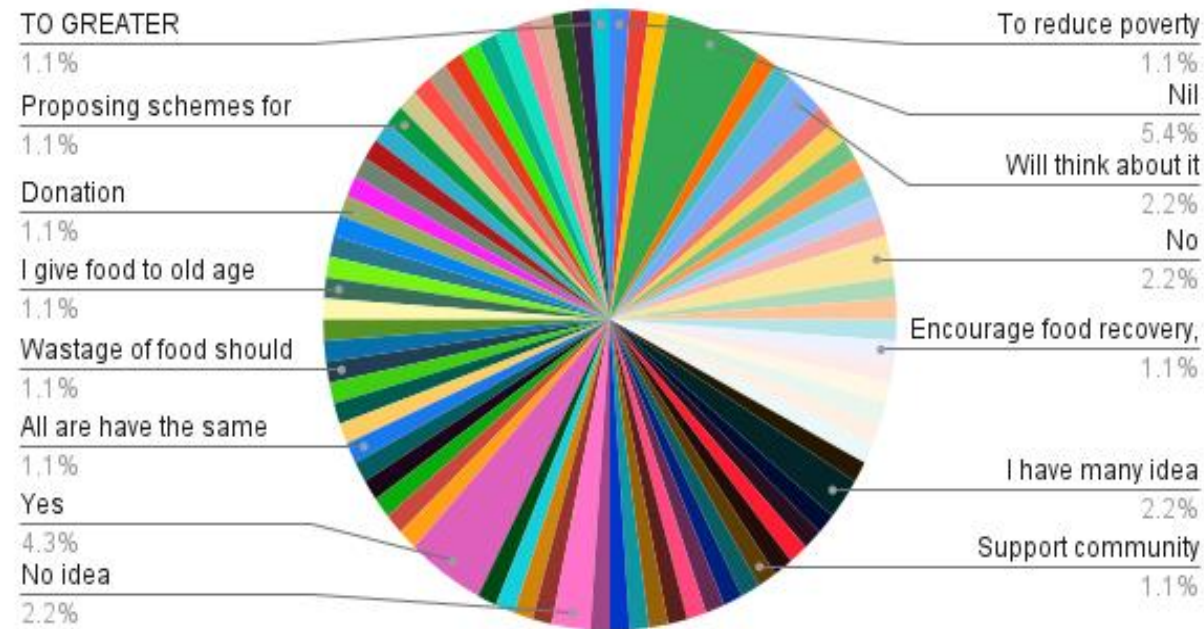
Count of Which stakeholders do you think should lead the effort to end hunger?



RESPONSES

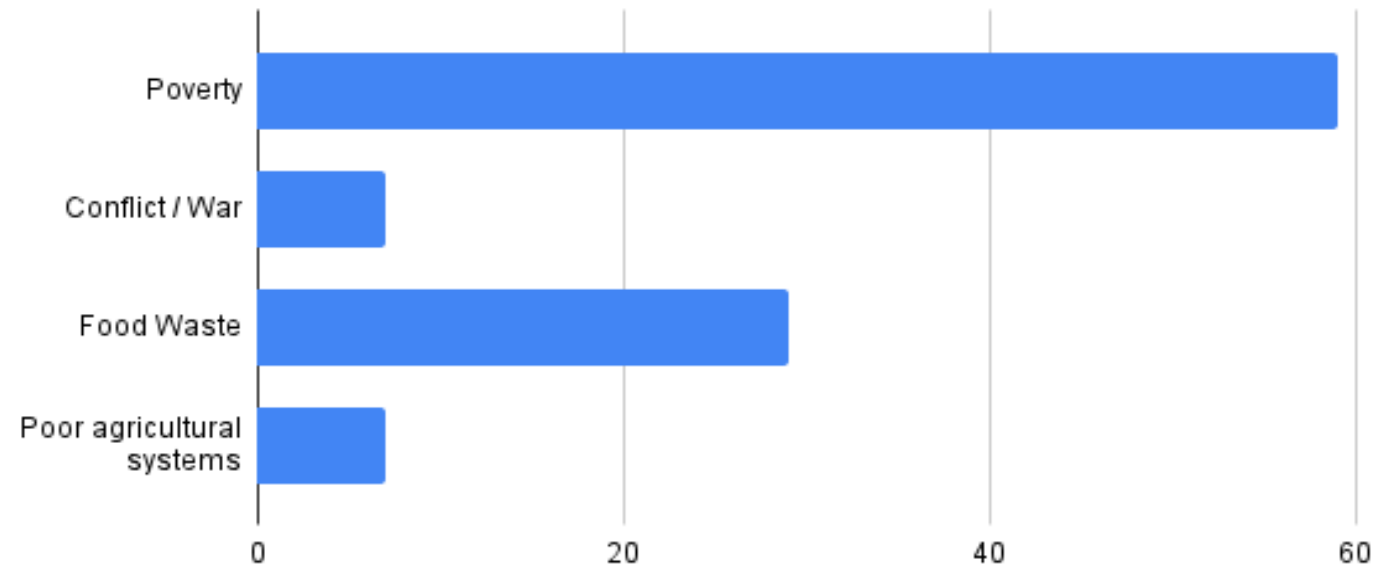
2,

Count of Any suggestions or ideas to help achieve Zero Hunger by 2030?



RESPONSES

3, Count of What do you think are the main causes of hunger in the world?



Count of What do you think are the main causes of hunger in the world?

RESPONSES

4,

Count of In your opinion, what are effective solutions to end hunger?

