



# REDUCING CARBON FOOTPRINT THROUGH CLEAN COOKING.....

## TRANSFORMING LIVES

This document highlights the distribution of advanced cook stoves and their impact on targeted communities in Nawada District of Bihar and Koderma District of Jharkhand. The initiative of cook stoves distribution includes Dinabandhu, SSM, and Baldwin models, benefiting households predominantly belonging to Scheduled Castes (SC) and Scheduled Tribes (ST) and Communities living in mica mines.



# THE PROBLEM:

Today, in many parts of rural Bihar and Jharkhand, people use polluting biomass fuels for everyday cooking. They rely on inefficient traditional mud or three-stone fire cookstoves, which consume a lot of fuel and cause occupational lung diseases and even deaths. Smoke emissions from these stoves are a significant health hazard, especially for infants. Additionally, villagers in remote locations, especially women, spend several hours a day fetching wood from forests several kilometers away. They often return carrying around 20 kilos of wood, and sometimes they come back with no wood at all due to deforestation.

# THE SOLUTION:

Cookstoves are an innovative solution that can bring positive changes in the lives of millions of people worldwide. Improved cookstoves are a vital intervention to reduce indoor air pollution and improve the health and well-being of people in the Global South. Improved cookstoves burn fuels more efficiently and emit less smoke, reducing indoor air pollution and improving health outcomes. According to estimates, traditional stoves and fuels result in indoor air pollution levels up to 100 times higher than World Health Organization guidelines, which leads to respiratory diseases and other health problems



## GEOGRAPHICAL REACH

The initiative spans across key regions in Bihar and Jharkhand.

- Rajauli Block in Nawada District, Bihar
- Manigachi Block in Darbhanga District, Bihar
- Chandwara Block in Kodarma District, Jharkhand



# THE IMPLEMENTATION STORY:

Despite significant health and economic concerns, many families have been hesitant to adopt cleaner cookstoves, fearing they might compromise the taste and quality of their meals. However, change is on the horizon thanks to the Community Empowerment Program by Bhartiya Jan Utthan Parishad. Recognizing this crucial need, the organization launched a groundbreaking initiative in November 2022, distributing improved cookstoves (ICS) free of cost to economically weaker, mica-dependent households.

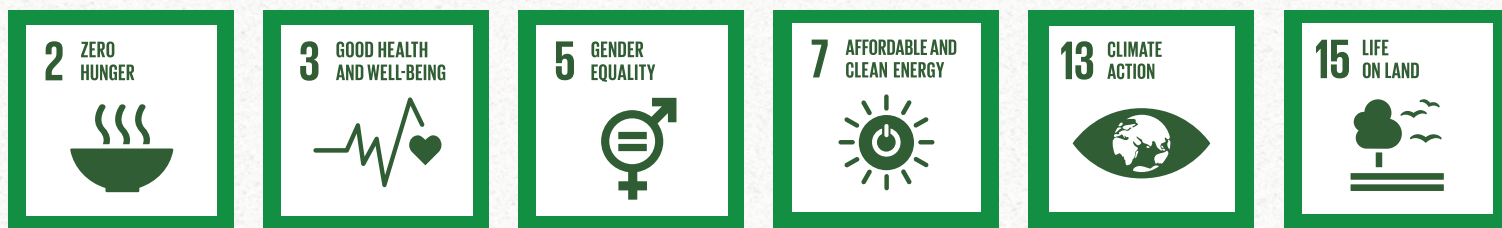
These advanced cookstoves, including models like Dinabandhu, SSM, and Baldwin, integrate cutting-edge technology to ensure higher efficiency and reduced emissions, setting a new standard for sustainable cooking. Their innovative design optimizes fuel consumption while minimizing harmful byproducts, making kitchens cleaner, healthier, safer, and more efficient.

Beyond just providing cookstoves, this initiative is transforming lives. By focusing on gender and health aspects, and supporting women in the supply chain, it helps generate income and reduce poverty in rural households. Our efforts have already made a significant impact, empowering 3,172 households across 26 villages with a brighter, healthier future. Join us in creating lasting change, one cookstove at a time.



# THE SDGS COVERED:

The Sustainable Development Goals (SDGs) are highly relevant to cook stoves, as cooking is a fundamental human need, implementing efficient cook stoves in the rural areas of Bihar and Jharkhand can significantly contribute to achieving several Sustainable Development Goals (SDGs).



# OUR GLOBAL IMPACT:



Installed 3,172 improved Cook Stoves



Reduced Carbon Footprint



Saved thousands trees



Reduction in respiratory disease



Improving livelihood



Improved Gender Equality



## SMILING FACES :

Mrs. Muniya Masomat from Chanako village in Jharkhand shares how improved cookstoves have transformed her daily life. "The new cookstoves have significantly cut down my cooking time, giving me extra cherished moments in the mornings. Now, I can engage with my children before they leave for school. This change has made my routine more manageable and enriched our family life, allowing me to be more present and involved. The improved cookstoves have brought both practical convenience and emotional fulfillment to my household.



My kitchen is much cleaner now, and our living conditions have greatly improved," says Rina Devi from Biragadha village, Jharkhand. "The reduction in smoke has made the kitchen a healthier, more pleasant space. Now, I can help my children with their education even while cooking, something that was impossible before. The improved cookstoves have enhanced our home's cleanliness and air quality, and allowed me to better support my children's learning.

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## MOVING FORWARD :

The success of the initial distribution has demonstrated the viability and benefits of transitioning to clean cook stoves. To fully realize the health, environmental, and economic benefits for all community members, it is imperative to expand this initiative. We urge local government authorities, environmental NGOs, and community leaders to prioritize this demand and support us in building a healthier and more sustainable future.