

# CHOTE KISAN BANE DESH KI SHAAN

SMART SELF SUSTAINED  
ECO SYSTEM TO EMPOWER  
SMALL FARMERS OF INDIA



# BAF

THE ALTERNATIVE FUEL COMPANY



# URBANITES VS FARMERS



01

## THE CULTIVATOR SUFFERS

An urban Indian spends less percentage of his income over food expenses in comparison to a rural Indian.

## FOOD WASTAGE IN URBAN INDIA

On an Average 50 kgs of food is being wasted in Urban India per year per person.

02



03

## INDIA URBANS EMIT 7X MORE CARBON

Urban India consumes almost 80% of energy & produce 7times more carbon

## RURAL INDIA IS MAJOR EMPLOYER

Though Rural India is a major employer however as per a UN study urban population will take over rural by 2050.

04



URBAN

SEMI URBAN



## AZADI@75 SMALL FARMERS OF INDIA

**2.0 Ha** Small Farmers are those farmers who own a farmland which is less than 2.0 hectares. Surprisingly India constitutes 78% of small farmers & they add up to 41% of total produce.



### UNFAIR PRICING

Small farmers usually miss out on getting the exact price for their cultivation.



### PROCESSING

There are usually no mills around the cluster of small farmers. Hence processing of produce is not possible.



### STORAGE

There are no storages to safeguard their produce hence they have to sell at any price to avoid spoilage.



### TRANSPORTATION

The modes of transportation is usually the state transport buses or rickshaws which are not useful for commercial transfer of goods.



### ELECTRICITY

Disruptive supply of electricity add up to the pains of irrigation of farmlands.



### SECOND EMPLOYMENT

Usually these are seasonal farmers & find no other work during odd seasons.





# AATMANIRBHARTA AT BARIPADA!

Chaitram Pawar is a small farmer in a tribal village called Baripada, Dhule, Maharashtra. He realized that irregular electricity was causing hurdles in irrigation hence he added solar pumps in 30kms of radius of villages around Baripada. He raised all villagers towards self sufficiency by adopting self sustained means of living which he calls as Shashwat ways of living. (He believes that for a sustained life we have to live in an self balanced ecosystem comprising of Water (जल), forests (जंगल), animals (जानवर), Humans (जन) & earth (जमीन)

As the serving president of Deshbandhu Agro Research Centre Producer Co. Ltd. (FPO) he now aims to develop an agro mill in Pimpalner with a partial aid from Shabri Aadivaasi Vikas Mahamandal Nashik. During an interaction at Baripada with Mr Sorubhh K Bharti, Executive Director, Bharat Alt Fuel Pvt. Ltd (BAFL) he also mentioned the issue of transportation which is mandatory to transport raw & finished goods from one place to another.



(LtoR) Mr. Chaitram Pawar, President FPO with Mr. Sorubhh K Bharti, Executive Director BAFL

## CHALLENGES AT BARIPADA!



### TRANSPORTATION

Goods & Passenger

Covering a radius of 30Kms & farmlands of 1200 farmers connectivity is a real challenge



### ELECTRICITY

Grid Connectivity

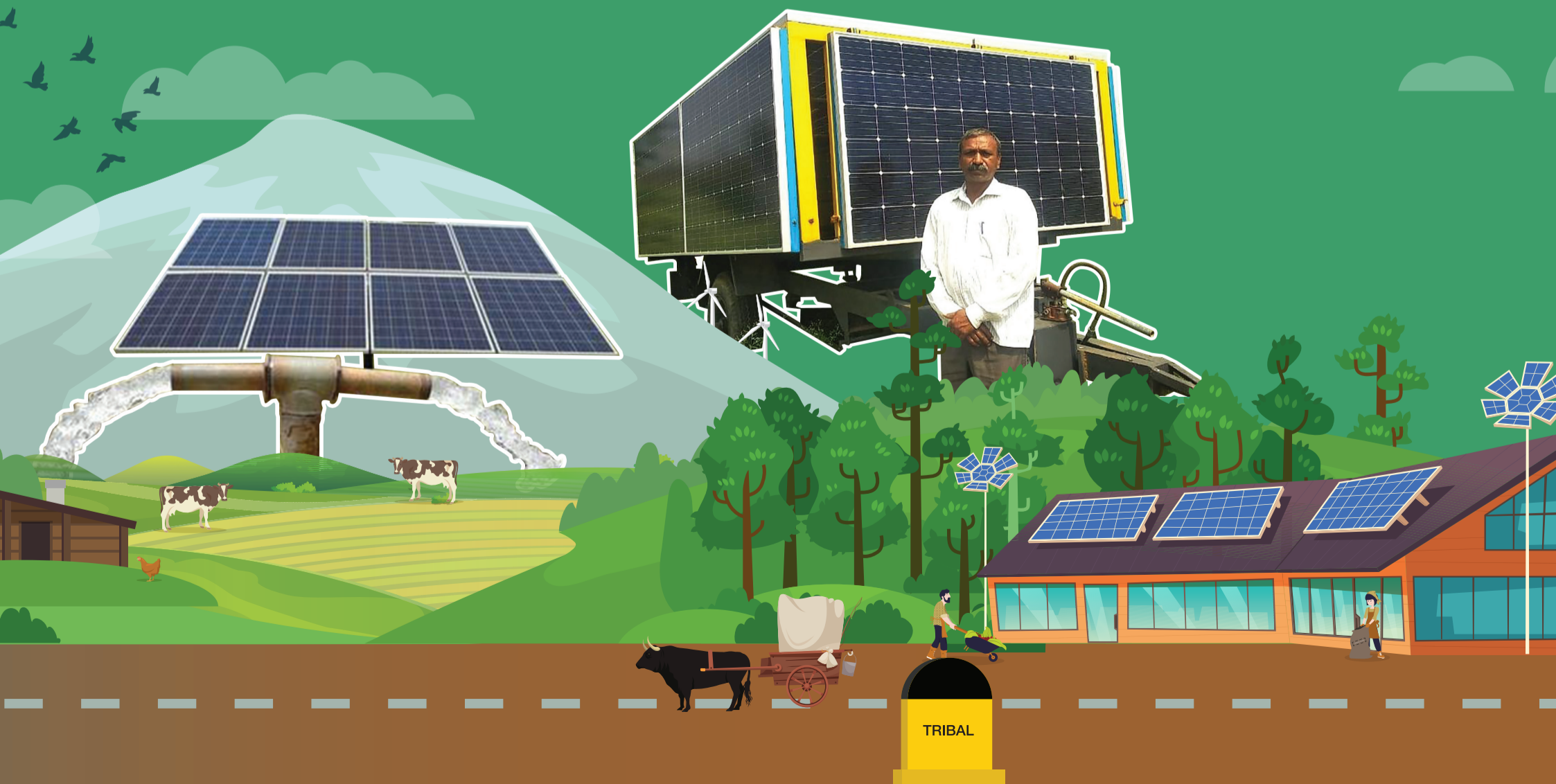
There is power but its not uninterrupted. The challenge is how to run mill when no power.



### ENERGY

Lack of fuel Stations

The real challenge is to fuel up generators & vehicles in a tribal village.

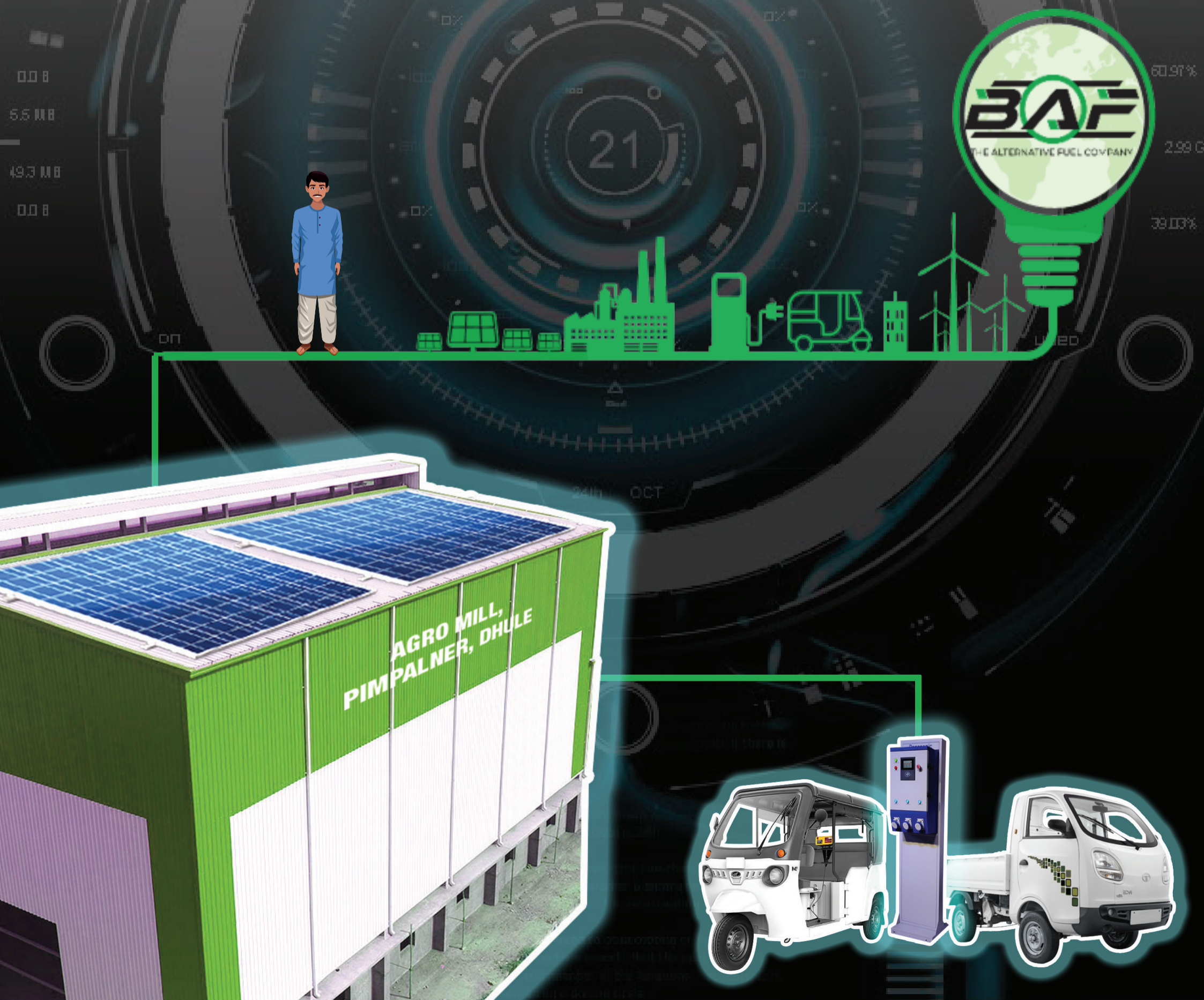




# INDIA'S 1ST SELF SUSTAINED SMART AGRO MILL

9000 MT potential Agro mill will need uninterrupted power & mobility to ensure transportation of farm cultivation (up to 30kms of radius) . A self sustained agro mill equipped with Solar Panels, ESS & E-Mobility is the perfect combined solution for such a project. Our team of technicians designed a PV module to run 65 HP machinery & at least 6 E-rickshaws for goods carrier & 4 E-rickshaws for passengers to connect 30Kms of radius distance.

This self sustained model will not just help 1200 farmlands to be self empowered but will generate employment as well for 500+ families. This will be India's FIRST such self sustained eco system.





# **BHARAT ALT FUEL PVT. LTD.**

Established in December 2020, Bharat Alt Fuel Pvt. Ltd is an alternative Fuel company. We deal in Alternative energies like solar, bio fuels & Energy Saving Systems. Bharat Alt Fuel Pvt. Ltd. is also 100% indigenous manufacturers of world class personal Electric Vehicles under a technical collaboration from a US based company, FUELL INC (Ranked amongst top 10 in the world). Our world class manufacturing facility which is being developed at Nellore, Andhra Pradesh comprises of an area of 30,000 Sq. mtrs with an annual capacity up to a lakh units. Company is headquartered at Mumbai.

## **KNOWLEDGE PARTNERS**



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