



**CONCEPT**

**'INCUPLICATE SUSTAINABLE  
CONSCIOUSNESS'**

**TO ADDRESS SDG GOAL 4, 6, 7 & 12**

**SUBMISSION FOR 'SDG INNOVATION PARTICIPATORY ACTION RESEARCH INITIATIVE'  
BY MEDEMER FUND**

**TARGET : TO INTRODUCE SUSTAINABLE CONSCIOUSNESS IN RURAL NAGALAND**

**We will train both students & teachers to optimally utilize locally available resources starting from:**

- 1. Manufacturing organic soap and bamboo based utility**
- 2. Developing energy efficient kitchen stoves**

**Medemer fund will also install solar panels + inverter + battery (~150W) to harness solar energy to light up school hostel, toilets and library.**

**We will also become knowledge partners with the school to tutor the teachers on use of modern technology, monitor overall school performance and train the students & teachers to develop a sustainable consciousness and lifestyle.**

# PILOT : NEW CREATION SCHOOL SEKREZU VILLAGE, PHEK, NAGALAND



New Creation School was started in 2013 and located in one of the educationally underdeveloped and lesser progressive regions of the state. The school has 250 students and focussing on practical education with special emphasis on learning of indigenous traditional artistry. Students from neighbouring villages come to study in this school wherein many students live in the school hostel. Considering the inspirational zeal and exemplary set up, we have selected the school for the pilot intervention which can be replicated and scaled across the state.

# ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL

BEFORE COVID-19

DESPITE PROGRESS, **BILLIONS STILL LACK** WATER AND SANITATION SERVICES



**2.2 BILLION PEOPLE** LACK SAFELY MANAGED DRINKING WATER (2017)



**4.2 BILLION PEOPLE** LACK SAFELY MANAGED SANITATION (2017)



**TWO IN FIVE** HEALTH CARE FACILITIES WORLDWIDE HAVE **NO** SOAP AND WATER OR ALCOHOL-BASED HAND RUB (2016)



# ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS

BEFORE COVID-19

THE WORLD CONTINUES TO USE NATURAL RESOURCES **UNSUSTAINABLY**



GLOBAL MATERIAL FOOTPRINT  
73.2 BILLION TONS



GLOBAL MATERIAL FOOTPRINT  
85.9 BILLION TONS



ELECTRONIC WASTE GREW BY 38%



BUT LESS THAN 20% IS RECYCLED (2010-2018)

COVID-19 IMPLICATIONS

THE PANDEMIC OFFERS AN OPPORTUNITY TO **DEVELOP RECOVERY PLANS** THAT BUILD A MORE SUSTAINABLE FUTURE



**FROM 2017 TO 2018**, 79 COUNTRIES AND THE EUROPEAN UNION REPORTED AT LEAST ONE POLICY TO PROMOTE SUSTAINABLE CONSUMPTION AND PRODUCTION



RISING FOSSIL FUEL SUBSIDIES ARE CONTRIBUTING TO THE CLIMATE CRISIS

\$318 BILLION (2018)

\$427 BILLION (2018)

To address the issue of **Goal 6**: The group will train students to make soap using natural ingredients. The soap produced by the students can be used in the school toilets and by the students at their homes. The natural ingredients are also eco-friendly which also help to achieve **Goal 12**: Responsible Consumption and Production. In addition, the group will also train the students to make bamboo plates, cups, recyclable seed paper thereby developing a conscience towards ensuring sustainable consumption and production patterns.

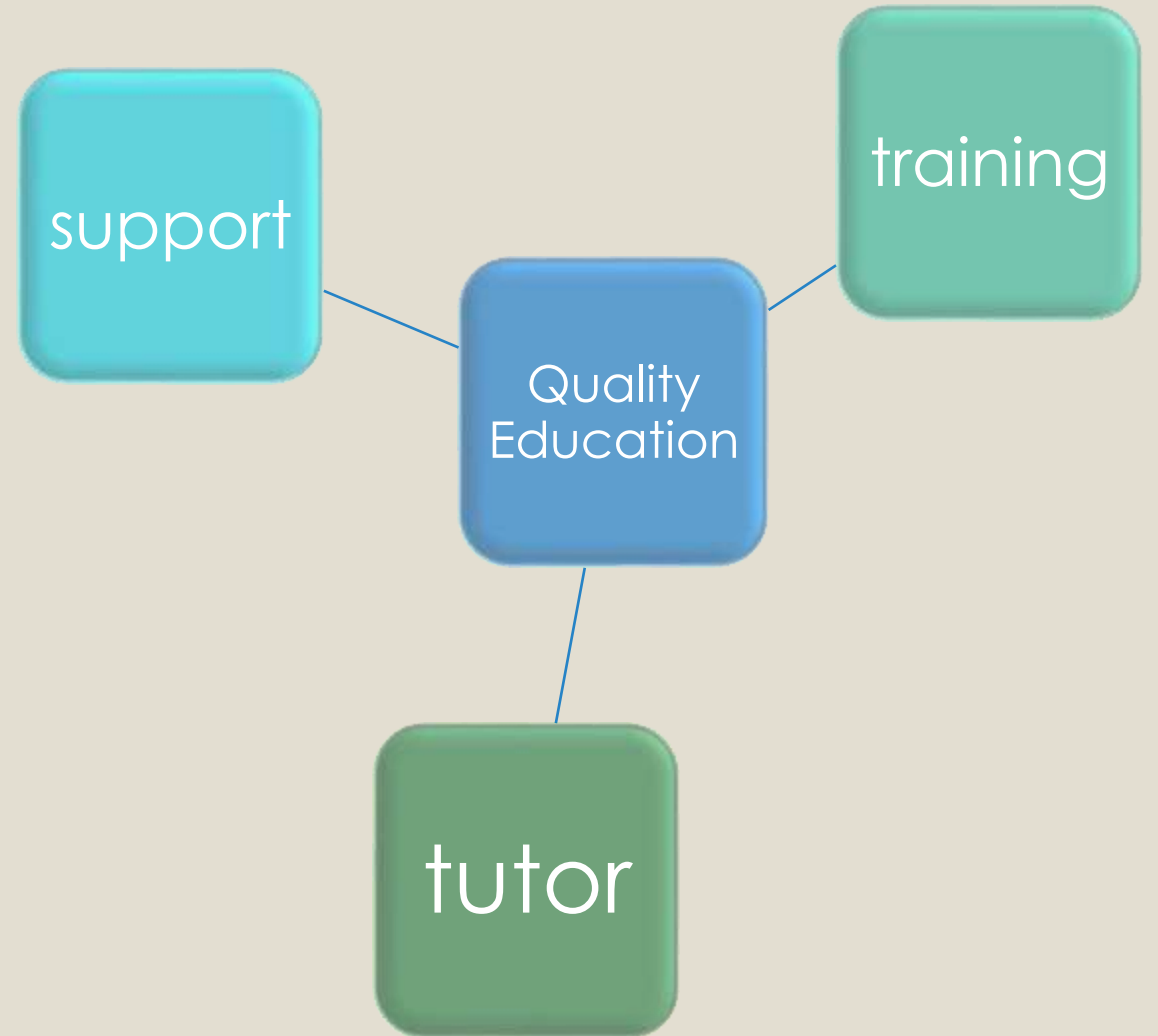
# SOLUTIONS PROPOSED

## Soft components

**Tutor:** Tutor teachers on modern methods of teaching, IT skills and use of internet for enhancing knowledge base

**Training:** Training the students and teachers on making basic recyclable seed based paper products, bamboo based plates, cups and sustainable products.

**Support:** Provide support in terms of becoming a knowledge partner to collaborate with market, trainers, industry experts to train the students on relevant market skills to ultimate achieve goal 4.



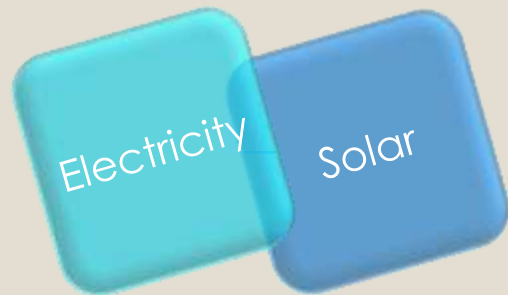
# SOLUTIONS PROPOSED **Hard components**

## **Solar powered school**

Solar powered hostel, library & toilets

Solar panel + inverter + battery

Use sustainable energy by harnessing solar energy to provide electricity for the students in their hostels, library and toilets and achieve Goal 7.



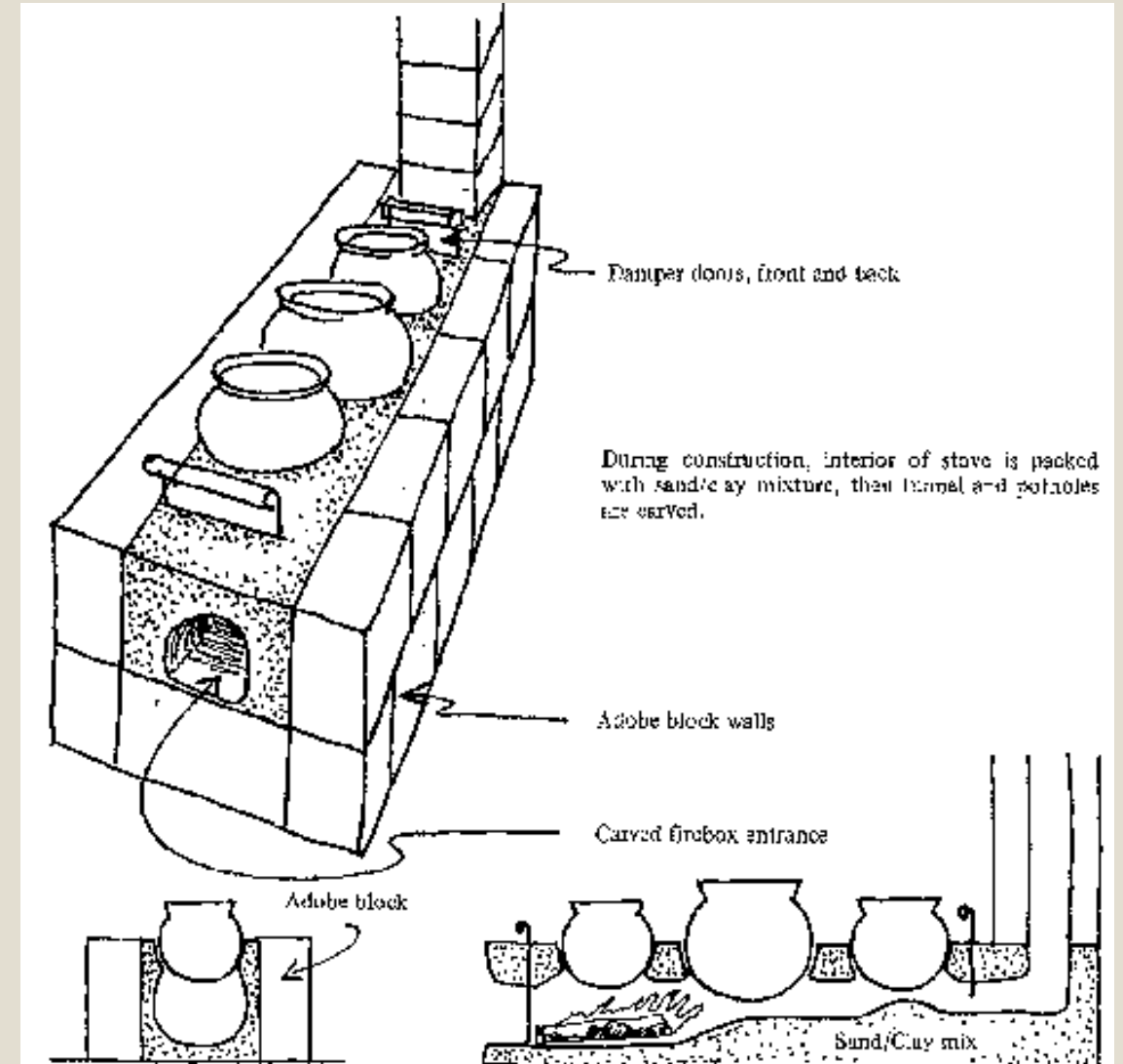
# SOLUTIONS PROPOSED

## Hard components

### Sustainable Cookstove

Medemer fund will train the teachers and students to build sustainable cookstoves which are energy efficient and help achieve SDG Goal 12 – sustainable consumption of resources, particularly firewood.

Sustainable cookstoves will help to optimally distribute the thermal energy which will enable cooking & warming of food in the kitchen with a single stove and multiple vents.



# Project financials – INR 2 Lacs

1. Solar battery + inverter + panel + electrical works = Rs. 40,000/- (150 W)
2. Travel and training = Rs. 60,000/-
3. Sustainable stove prototype development and installation - Rs. 50,000/-
4. Misc = Rs. 10,000/-
5. Purchase of tools and equipments to manufacture sustainable utensils = Rs. 40,000/-



# **EMPOWERING THE COMMUNITY :** **PILOT, REPLICATE, SCALE.** *Inspire SDG Consciousness*

The New Creation school is already engaging older artisans to impart traditional indigenous craft to the students. The Medemer fund group will introduce more market relevant skills based on using and re-using indigenously available resources to produce and consume sustainable utility which will go a long way in optimal consumption of resources in communities.

The pilot to produce sustainable eco-friendly plates, cups and utensils can start from New Creation School, Sekrezu village with the aim to locally produce, reduce and reuse resources. The pilot also seeks to use solar energy to enable off-grid electricity generation. The sustainable cooking stove will also encourage villagers to optimize their energy consumption in the kitchen.

The pilot will be documented for creating awareness through social media channels to replicate and scale up in other rural areas.



***THANK YOU***

***MEDEMER FUND, KOHIMA, NAGALAND***

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