

Millennium Alliance Round 3 Awardee List

Sector: Clean Energy

1. **Project Title:** *Expanding solar-as-a-service to lower income households & micro-enterprises in rural India*

Organization: *Simpa Energy Pvt Ltd (Simpa Networks Inc)*

Simpa sells solar-as-a-service to energy-poor households and micro-enterprises in rural India. Simpa has reached over 15,000 customers in rural Uttar Pradesh across 8 districts, and has impacted more than 75,000 lives.

2. **Project Title:** *Biogas based Cooking Grid*

Organization: *Gram Oorja Solutions Pvt. Ltd.*

Gram Oorja has implemented a solution of a Biogas based cooking grid, which will be used to provide cooking gas to households in the community. Gram Oorja has touched over 25,000 lives across four states.

3. **Project Title:** *Piloting of a Novel Table Top Solar Panel Laminator in rural locations for decentralized manufacturing and sales of Solar Panels by rural youth and women.*

Organisation : *Jnana Prabodhini*

Jnana Prabodhini has successfully developed and tested a Micro- Solar panel Laminator that can make Solar Panels in the range of 3Wp to 40Wp Power. They also impart a key technical skill-set to rural youth/women and provide a livelihood opportunity. Through MA intervention, they plan to install three new laminators in Maharashtra, create 50 local entrepreneurs and manufacture and sell panels and related solar products for 3000 households impacting about 15000 people within the 24 month project period.

4. **Project Title:** *Development of Integrated Energy and Revenue Management System for Mini-grids*

Organization: *Technology and Action for Rural Advancement*

TARAurja has developed technologies in-house such as programmable load limiters and a cloud based revenue-management system to mitigate the risks of power theft and revenue collection faced by energy Distribution Company. Till date, these technologies have been deployed at 22 sites of Bihar and UP.

5. **Project Title:** *Harnessing the destructive energy in pine needles for rural development*

Organization: *Avani Bio Energy*

The organization employs people to collect pine needles before they burn, and use them to produce combustible gases. The process residue is good quality charcoal, which is used to make cooking fuel for rural areas.

6. **Project Title:** *Pre-paid Mobile Payment based Solar Micro Grids*

Organization: *Boond Engineering and Development P Ltd*

Boond has developed Pre-paid system for DC solar micro grids using GSM and bluetooth technology, in an effort to deliver 24x7 democratic access to clean and reliable energy.

7. **Project Title:** *SCALING PRAKTI MULTI-FUEL CLEAN COOK STOVES IN INDIA, BANGLADESH AND NEPAL*

Organization: *Prakti*

Prakti has developed an innovative solution to address the need of Harmful emissions from agricultural wastes by developing an affordable range of extremely clean, efficient, and user-friendly multi-fuel stoves optimized for burning wood, cow dung, and agricultural wastes for low-income households in South Asia.

Sector: Health

1. Project Title: *Nurse centers electronically linked with city doctors to provide gynecological and reproductive health services in rural Kenya*

Organisation: *World Health Partners (WHP)*

Rural populations in Kenya, particularly the poor, lack access to even rudimentary health care to address this need World Health Partners (WHP) using trained nurses at the village-end and enhancing their competency by connecting them with city doctors through a highly stabilised technology platform will bring many currently unavailable services close to the doorstep of these communities.

The Health Ministries of Homa Bay County and the adjacent Kisumu County in Western Kenya have officially supported this initiative.

2. Project Title: *Empowering Women through Menstrual Hygiene Solutions - for two pilots in Kenya and one in Uganda*

Organisation:

Aakar Innovations Aakar Innovation work to establish reach of affordable sanitary napkin in different part of India. With the help of women who take ownership to run the unit. This unit makes the women socially and economically empowered at community level.

3. Project Title: *Mobile Partograph mLabour*

Organization: *Dimagi*

Dimagi has built a mobile phone and tablet-based partograph tool called mLabour. The use of mLabour by healthcare providers will help in preventing maternal mortality from obstructed and prolonged labour and serious complication.

4. Project Title: Device for Lab Diagnostics at the Doorsteps

Orgnisation – *Neurosynaptic communication Pvt Ltd*

Device for Lab Diagnostics at the Doorsteps (DLDD) will cater to about 80-85% of the primary care diagnostic requirements, with physiology sensors.. Immediate access, early disease detection, significantly reduced transportation time & costs for patients would be the outcomes. An estimated 1 Million patients will benefit directly from this in the 3rd year alone.

5. Project Title: *An automated and affordable Point of sample collection screening tool for Cervical Cancer*

Organization: *Aindra Systems Pvt. Ltd*

Aindra Systems have developed an affordable and portable, 'point-of-care' Cervical Cancer Screening tool to automate the analysis of the Pap smear slides. With about 350 million women in India who are at risk of Cervical Cancer, the impact of this solution will go a long way in addressing this problem.

6. Project Title: *"Saans" - A device to keep, lungs of neonates with RDS open while transferring them from a low resource setting to an NICU.*

Organization: *Coeo Labs Pvt. Ltd.*

Saans is a low cost and easy to use CPAP (Continuous Positive Airway Pressure) device, used to maintain a pre-set constant pressure, constant air flow in the lungs of infants (to prevent collapse of the alveoli) while they are being transferred to a higher centre for advanced care. Saans device is to be deployed in all PHCs, CHCs, and private nursing homes in rural areas, to be used during transportation of infants with troubled breathing.

7. Project Title:*Affordable Smartphone Integrated Non Invasive Fetal electrocardiogram Monitor to tackle 300,000 annual Perinatal deaths in India.*

Organization:*Sattva MedTech*

Sattva Fetal Lite is a affordable, smartphone integrated, non-invasive, fetal ECG monitor - which detects Fetal ECG, Maternal ECG and Uterine contractions .They have completed an observational study in St.John's Medical College, Bangalore under IERB.

Sector: Education

1. Project Title:*Kakshaa*

Organization:*Runira Educational and Allied Services Pvt. Ltd.*

Kakshaa is an e-learning program made specially in vernacular languages. Consisting of a large repository of audio-visual lessons, Kakshaa is designed to engross students and enrich the classroom environment through the use of innovative teaching methods.

2. Project Title:*Art in education*

Organization:*Nalandaway foundation*

At NalandaWay they have developed a well-researched and tested curriculum, audio/visual content, resource materials, teacher training manuals, mentoring tools and programme monitoring design through the proposed innovative project,they would train 1000 primary school teachers in ten regions across the country through its partner organizations over 3 years.

3. Project Title:*RIVER MGML Dissemination*

Organization:*Rishi Valley Institute for Educational Resources, RVEC (Krishnamurti FoundationIndia)*

The RIVER model offers an Activity Based, Joyful Learning Approach that allows teachers to handle multigrade primary schools in a creative way. RIVER has a digital component also wherein the current material is made available through low cost tablet-based tools in an interactive format for students.

Sector: Agriculture

1. Project Title:*BioAvert I Biological program of disease aversion for horticulture crops*

Organization:*Swasti Agro and Bioproducts Pvt. Ltd.*

Swasti Agro want to provide Healthcare system for plants with the help of patented products for building disease resistant plants. This will improve the productivity for farmers significantly, without use of toxic chemicals; thus also increasing the value of their product.

2. Project Title:*Popularising Bamboo Polyhouses among small farmers*

Organization:*Self Reliant Initiatives through Joint Action (SRIJAN)*

SRIJAN is a national professional agency that is engaged in livelihoods promotion for the rural poor. SRIJAN proposes to scale down and build small polyhouses of the size of 100 to 150 square meter area.

3. Project Title:*Revolutionizing Agri-business in North East India*

Organisation:*Parvata Foods Private Limited*

Parvata Foods Private Limited have built farmer-centric integrated value chain and connect farmers to the markets also training the farmers in modern agricultural practices. Through this farmers get the advantage of the on-farm collection services with higher farm-gate prices.

4. Project Title: *Low cost Innovative and Smart Irrigation Controller*

Organization: *FlyBird Farm Innovations Pvt Ltd*

FlyBird Innovations has developed Low cost & innovative Smart/Precise Irrigation Controller for poor farmers, to irrigate water as per crop needs & improve crop yields by precise irrigation.

5. Project Title: *Low Cost Manual Milking Machine*

Organization: *Dr. John Abraham Kerala Veterinary and Animal Sciences University*

Kerala Veterinary and Animal Sciences University have invented two simple low-cost manual milking machines: Bi-cycle type milking machine, Rocker type milking machine. Through this Scientific and hygienic milk production will be possible for 70 million rural household in India who owns cows and buffaloes, but who cannot afford costly electrical machine

6. Project Title: *Pilot demonstration and transfer of Solar Conduction Dryer SCD from India to Nepal*

Organization : *Science For Society*

Solar Conduction Dryer (SCD) is an electricity free solar powered food dehydrator that reduces moisture content in agro-produce. By adoption of this technology, local farmers will be able to process the harvest surplus, making it possible to store and sell produce that would otherwise be wasted.

7. Project Title: *CassavaTech from India to Kenya*

Organization: *Science for Society*

CassavaTech is designed to overcome the challenges and improve processing efficiency at the household levels, thereby directly addressing household incomes of cassava farmers in the Africa and Asia, and offering livelihood transformation

8. Project Title: *Portable Solar Cotton Picking Machine in West Africa*

Organization: *Agventures Corporation*

The invention deploys the use of solar energy to run a cotton picking machine, the innovation is a portable backpack solar cotton picking machine. The portable solar cotton picking machine will benefit millions of cotton farmers who face labour scarcity and high wages during their harvesting season.

Sector: Water and Sanitation

1. Project Title: *Samagra*

Organization: *Samagra Waste Management Pvt Ltd*

Samagra is the first social enterprise in India that is dedicated to providing access to clean, safe, and reliable community toilets for the urban slum-dwelling poor. The model has proven its ability to attract users to the toilet facility, promote hygienic behavior and still achieve sustainability.

2. Project Title: *Creating Green Jobs Turning Trash to Treasure for Farmers Innovations in Water and Sanitation*

Organization: *Waste Ventures India*

Waste Ventures India's 'Total Waste Solution' is a one-point waste collection and processing solution for all waste types across varied clients, thereby dramatically reducing waste that is dumped. They provided Hyderabad's first professional Total Waste Management solution.

3. Project Title: *Solar Powered Water Purification Centers for Urban and Rural Regions with Poor Grid Access and Water Quality*

Organization: *Swajal water Pvt Ltd*

Swajal addresses the need to provide safe drinking water to communities that have poor water quality and no access to grid electricity by using solar power for energy efficient, automated and remotely controlled systems. A typical swajal community system impacts by providing water to more than 2000 people.

4. Project Title: *Waste Picker Franchise Model*

Organization: *Hasiru Dala Innovations Private Limited, Bangalore, Karnataka, India*

Hasiru Dala Innovations markets services which ensure destination-assured waste management services. The pilot program since 2014 started by the non-profit Hasiru Dala has generated employment for over 60 waste pickers and currently provides services to over 16000 households.

5. Project Title: *Desolenator*

Organization: *Desolenator*

In Collaboration with : *eKutir*

Desolenator is a patented device that uses sunlight to convert any source of brackish or impure water in to clean, drinkable water.

6. Project Title: *WATER FOR ALL*

Organization: *WATSAN ENVIROTECH PRIVATE LIMITED*

WATSAN ENVIROTECH PRIVATE LIMITED have started to develop affordable and electricity free water filters, approved by the country's premier institutes CSIR, DST and CIPE. This idea which they built brick by brick and have now catered to almost 80,000 users till now across the country.

7. Project Title: *South - South Replication - Community Drinking Water Systems from India to Rwanda.*

Organization: *Waterlife India*

The project aims at providing sustainable and affordable safe drinking water thru Community Water Systems. The model has successfully scaled up in India and are expecting similar results in Rwanda and Africa.

8. Project Title: *The Women for WASH Initiative*

Organization: *India Heritage Research Foundation*

The Women for WASH model will enable women to organize as cooperative WASH producers, suppliers and beneficiaries, so that they may earn sustainable livelihoods while propagating healthier, cleaner lives.