

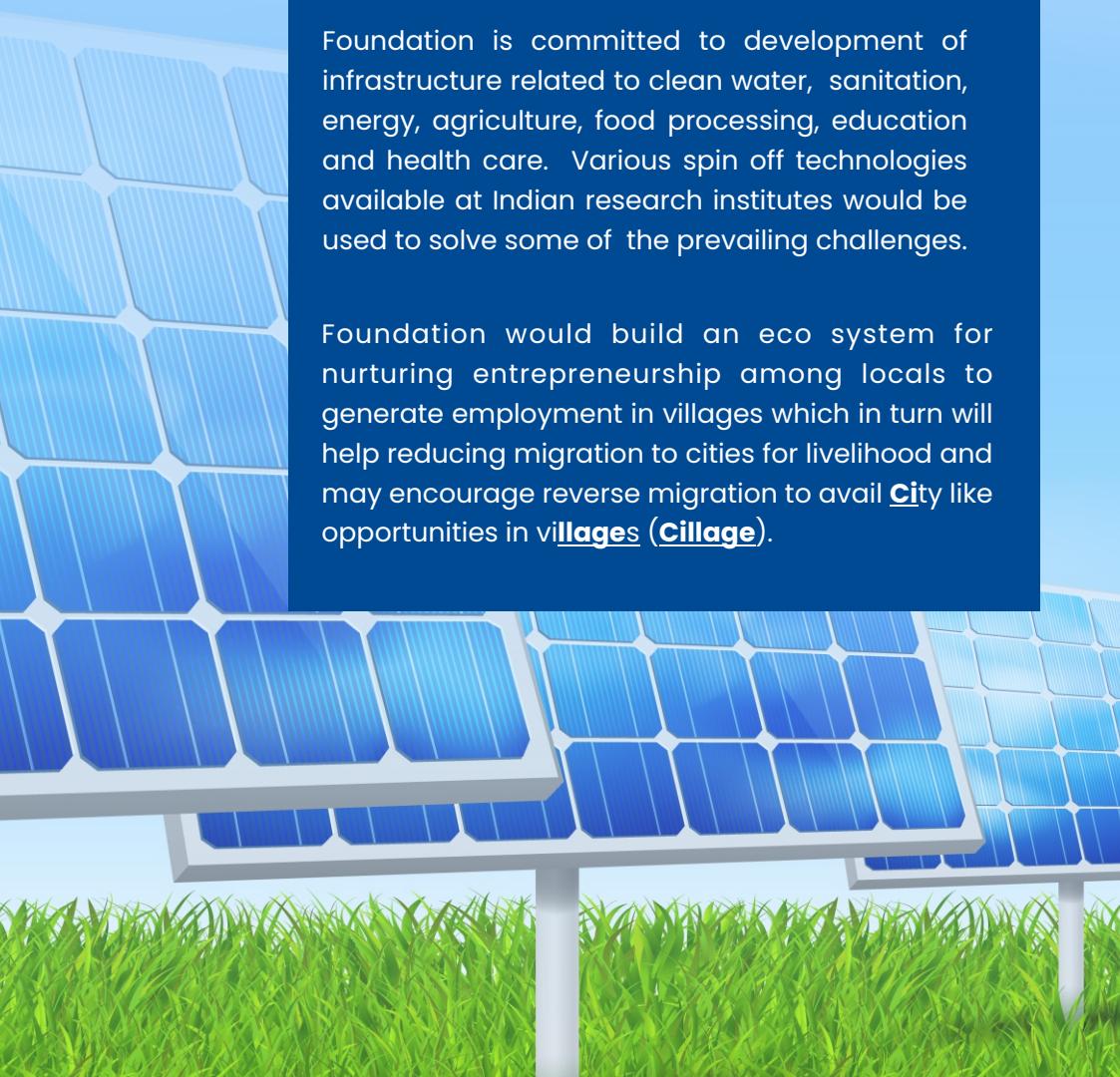
Cillage India Foundation

Technology to Transform Village Life



Painting by Shantanu Bhownik

A social Initiative by scientists and entrepreneurs



Cillage India Foundation is a Section 8 Company founded by scientists and entrepreneurs with an objective to give technological solutions to problems being faced by people staying in villages and convert their villages in to model Sustainable Villages

Foundation is committed to development of infrastructure related to clean water, sanitation, energy, agriculture, food processing, education and health care. Various spin off technologies available at Indian research institutes would be used to solve some of the prevailing challenges.

Foundation would build an eco system for nurturing entrepreneurship among locals to generate employment in villages which in turn will help reducing migration to cities for livelihood and may encourage reverse migration to avail **City like opportunities in villages (Cillage)**.

Our Mission



- To bring Technological solutions to Rural India
- To identify Technologies for generation of employment
- To provide relevant rural technologies under one roof
- To set up 'Technology Demonstration/ Incubation "Cillage Centers"' at Taluka Levels to promote technologies for clean water, solar energy, sanitation, health, agriculture, housing & education
- To set up 'Business Promotion Centres' to generate local employment by promoting entrepreneurship and nurturing local entrepreneurs to start companies/small manufacturing units in the rural areas.



Safe Drinking Water

Safe drinking water is essential for life. Non availability of safe drinking water is a reason for many health issues in India. Due to Industrialization, agriculture and geogenic reasons, water is getting polluted and scarce. Unpredictable flash floods, large dry areas add to the woes. Foundation will promote technologies which can help provide clean and safe water.

- UF , nano and RO membrane filtration
- Arsenic/Chromium removal filters
- Solar/Diesel based mobile water treatment system
- Water treatment systems and Water ATMs at community level



Solar Power driven Village Water ATM



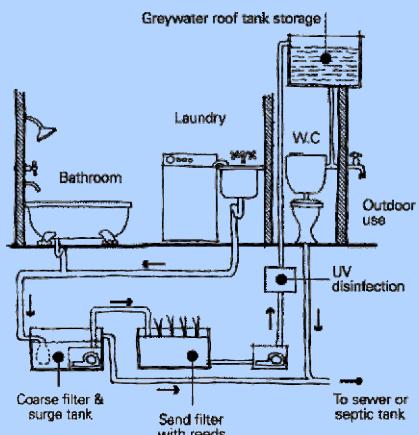
Community Water ATM

Sanitation

Sanitation in Indian Villages and Cities is crucial for reducing water borne diseases. Proper Sanitation prevents contamination of water

Sanitation facilities provide a safe, private space for personal hygiene

Foundation will promote community led total sanitation by building and maintain toilets and implementing effective waste management



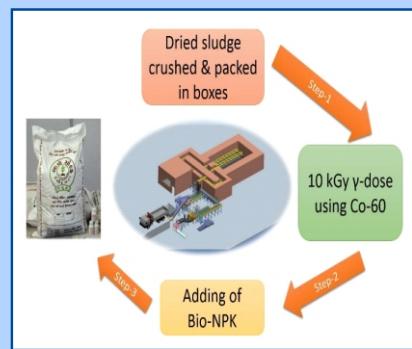
Waste Water Treatment for a standalone home not connected to central sewage system

Waste Water Treatment & Sewage Sludge Hygenisation

Waste Water and Sludge Treatment Technologies will be promoted for Sustainable Living



Hybrid Bio-Granular SBR Technology



Radiation Technology for Sludge Hygienisation

Solar Energy

As the Photo Voltaic Solar Panels technology is becoming more affordable, solar electric panels are becoming an energy source of choice for far flung off grid locations. Solar panels are also being seen as a backup power source to ensure a reliable power supply in the regions where load shedding is very frequent.



Solar Water Pump Systems is another emerging area for large scale deployment in Indian Villages.

Government is supporting household solar energy programme by offering sizeable subsidy for individual and community based solar installations.

Foundation will provide knowhow and will help developing an eco system to make solar installations, their operations and maintenance sustainable. This will generate local employment and train youths in this emerging technology area.



Agriculture

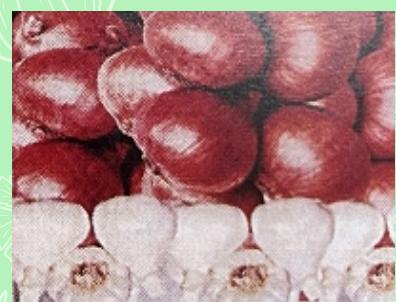
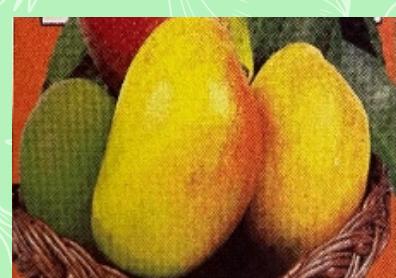
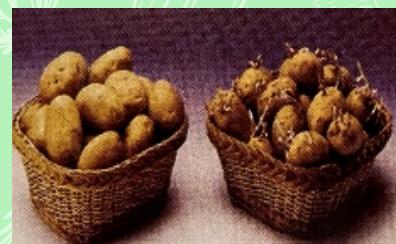
Foundation is attempting to bring technologies in farming through:

- Soil nutrient analysis and suggesting targeted fertilization
- Promoting high yield crop varieties
- Promoting sustainable organic farming practices
- Drip irrigation, sprinkler systems
- Rain water harvesting and ground water recharge
- Bringing Drone based farming practices
- Efficient logistics and transportation
- Efficient post harvest management technologies



Food Processing and Food Irradiation

- Enhancing Safety of food items
- Extension of shelf life of perishable food items
- Delay in ripening of fruits and vegetable
- Cost effective transportation under refrigeration
- Supply of Food/ water in emergency situation like flood/ land slides
- Promotion of self help group (SHG) for value addition to domestic products/services by providing support related to packaging, digital market linkages and quality certification.



Solar Dryer for agriculture produce

Promoting Entrepreneurship

- Foundation will set up following Cillage Centres at Taluka Levels:
- Rural Technology Demonstration Centres
- Rural Technology Incubation Centres
- Rural business Promotion Centres
- Rural Youths will be pursued to be part of these Centres and set up businesses in their native villages itself.



Generating Employment

- Cillage Centres will help people to set up rural specific micro and small enterprises and generate employment opportunities in these enterprises for local youths.



Founding Member

Dr. Lalit Varshney



Dr. Varshney is former Senior Professor and Outstanding Scientist from BARC. He is pioneer in Radiation technology applications in Health Care, Environment and Industry. He has several journal publications, patents and technology transfers and also IAEA expert on such applications. Medical product sterilization, sludge hygenisation, waste water treatment, food processing, polymers and composites, hydrogels, plant growth promoters etc are some of his contribution to national program.

Shrikrishna Gupta



Shri Gupta, Outstanding Scientist and former Project Director and OSD at DAE. He played a pivotal role in deployment of the DAE Spin-off technologies for societal application in the field of Food Agriculture, Water, Environment and Health as Head Technology Transfer Division. An expert on particle accelerator and vacuum technology by profession has largely contributed to DAE accelerator program.

Founding Member

Arun Kumar Tiwari



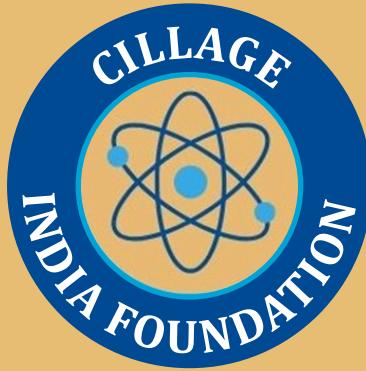
- Shri Tiwari is an Industrialist and social worker, very keen to restore environment by deploying modern technology and improve the quality of deprived citizen from rural area.
- He is IITD alumnus and licensee of DAE/DRDO/ISRO technologies.
- Completed many projects of DAE on water and Sanitation. Actively involved in many social initiatives.

Advisor

Sharad Chandra Srivastava



- Shri Srivastava is a Mechanical Engineer having a passion for innovations in sustainable Technologies.
- He is a scientist at BARC and takes keen interest in new age technology development projects.
- He is an expert in composite technologies.
- Having a dream of making Indian Villages self sustaining entities and economically self reliant.



Cillage India Foundation



📍 Registered Office:

903, Omkar Residency, Plot 3, Sector 9, Ulwe, Navi Mumbai 410206

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