

The project is bringing health benefits to low income households by preventing the release of cooking smoke inside the kitchen & helping to increase the income whilst saving nature, money and time

CLIMATE CHANGE MITIGATION & ENERGY CONSERVATION





The support in installation of 700 Bio-Gas plants in Uttarakhand & distribution of 1466 improved cooking pressure cookers in Kotwa, Bhinga & Haridwar with an aim to make a contribution towards climate protection, improve the long-term living conditions of indigenous people in rural regions and protect the local environment.

Under the Fair Trade & energy conservation program, Nature Bio-Foods provided energy efficient pressure cookers to all associated farming families in kotwa (Bahraich), Bhinga & Haridwar along with providing a support to build Bio-gas units.

The use of energy-efficient cooking pressure cookers & Bio-Gas units leads to a reduction in the amount of unsustainably harvested wood biomass (from local forests) required for cooking, thereby reducing the volume of greenhouse gas emissions produced. In addition, the project brings health benefits to low income households by preventing the release of cooking smoke inside the kitchen. It is helping to reduce the demand for the use of non-renewable firewood. This leads to a reduction of CO₂ emissions and protects the local forest. The method reduces smoke emissions and improves indoor air quality, thus having a positive effect on the respiratory health of women and children. As it does not require wood, the villagers spend less time on the tiresome task of gathering firewood and save money. – Protecting the forest has positive effects on biodiversity and reduces soil erosion. – Reduced particulate matter, methane and nitrogen oxide emissions. The initiative is producing clean energy and organic fertiliser: two valuable assets to increase income whilst saving nature, money and time. Also, alleviating dependence on wood fuel or charcoal, it is not only takes away the health hazards of indoor air pollution, it also saves time: about two to four hours a day.

In Pic: Farmers getting benefitted from Pressure Cooker & Bio-Gas.





We are making every effort to mitigate the effect of climate change on the environment while transforming lives in rural areas through solar Energy

POWER THAT BRIGHTENS HOMES, LIVES & SMILES



Nature Bio-Foods solar initiative is adding light to the lives of villagers & changing the lives of many from a dark past to a well lit life & a brighter today.

“When there was no light we used to face so many problems. We used to fell sometimes on road potholes .There was fear of snakes & other insects during dark & Lot of incidents were recorded each year of snake & insect bites. Availability of light made our life very easy” Said Devideen Patel, a village resident.

While we are proud of our various green initiatives, we are always on the lookout for new ways to support environmental conservation. Adding our efforts in the direction, recently, four villages are entirely covered by us under solar street lights wherein one village is covered under solar wire fencing to protect the farms from wild animal attack in Ramnagar, Uttarakhand. Apart from this we have distributed total number of 1000 Solar Lanterns to each farmer member associated with us in Nanpara, Bahraich, & Balrampur (UttarPradesh). Every solar lamp has one LED, which can reduce 0.225 kg CO₂ a day. The program aims to reduce the consumption of non-renewable natural resources and further decreases the GHG emissions that cause air quality problems.

Earlier, fieldwork and travelling was limited to the daylight hours, darkness raised safety and security concerns. Even the study hours of the children in the village were restricted to daylight. But now, the villagers can travel, the children can study even after the sunsets & farmers of the village are able to protect their crops from wild animals.

“I had to struggle with every small thing in the dark. Now I feel I am able to finish my work quickly under the availability of bright solar light” says, Smt Sumitra Devi resident of the Tatihirya village.

For many grocery shop owners and small vendors, who otherwise would have to close their shops after dark, the lantern can made it possible to run business till late in the evening, allowing them to earn better income, also it is very useful to farmers, they can carry solar lantern to visit farms during night time said Satyendra Kumar, a farmer in the Bahraich region.





We plant trees to restore ecosystems and livelihoods whilst increasing protection against the extremes of climate change in the multiple regions.

PLANTING TREES TO SAVE THE ENVIRONMENT, NATURE & COMMUNITY





In last two years, through the “trees for livelihood & environment” project ,NBF has reached out to a large number of families from tribal and underdeveloped regions. It has planted more than 60000 fruit bearing, Medicinal & Agro forestry plants.

Our initiative aims to improve the environment by increasing the green cover in the country, while at the same time offering a fruitful source of livelihood to the economically backward communities.

At Sustainable Green Initiative, we plant trees to help the fight against climate change and also hunger & poverty . We believe by planting a tree, we can help in doing our bit to mitigate carbon footprint and carry on the fight against hunger, poverty and climate change.

We have also taken an initiative to go in for agro forestry combining the plantation of various trees such as fruit & forest trees. The aim is to help ecological resilience and enhancement of rural livelihood among the farmer community by benefitted them in making good profit. Saplings are given to the farmers free of cost who in turn planted them in farmlands with the support of our organization.

Nature Bio-Foods is helping farmers to overcome many of their difficulties. We are working on several principles, one of which is to work for the community's sustainable development, benefited the farmer members in enhancing their overall income. These initiatives are an excellent way to reduce the carbon footprint and are also a very good way to pay back to the society. Hoping the initiative will ensure environmental, food and livelihood securities, alleviate poverty and mitigate the adverse impacts of pollution and health hazards, reduce regional disparity, bring desirable peace, prosperity and happiness and ensure an optimistic future for generations to come

In Pic: Planting & distributing saplings

