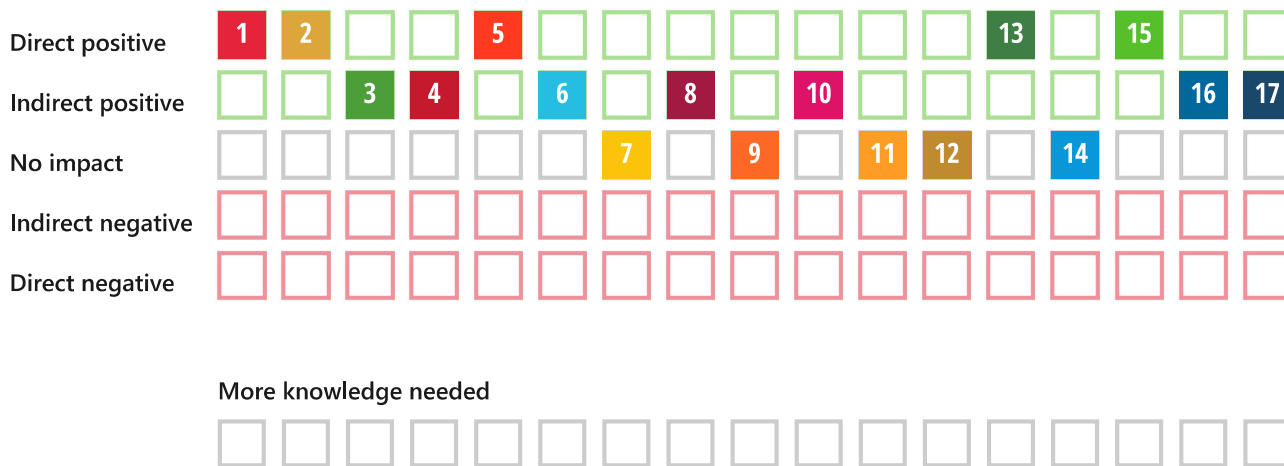


# Bhungroo Project

Impact Assessment Study done by Scinnovation Consultants Pvt. Ltd.



## Decription

Naireeta’s work in rural segment can be understood from various facets of its water technology usage e.g. disaster preparedness, food security, income generation and lastly for bottom of pyramids' (especially poor small landholding women farmers) knowledge based development. It is unique in the sense that Naireeta is successful to create an appropriate interfacing between one good technology and poorest poor women members of the society. In that interfacing, it is the knowledge based service delivery- which is consistently pursued. In other words it was followed the path of knowledge-inclusiveness. Along with unique technology and its unique positioning among bottom of Pyramids, the process of convincing unlettered women to understand and learn this technology (comprising of geology, soil science, geo hydrology and mechanical engineering) was a herculean task to achieve. Naireeta services believe to emancipate 20 million poor woman farmers from abject poverty and food insecurity by concerted promotion of Bhungroo along with commune agriculture process under women leaderships in drainage affected areas across the globe. In scaling up of this whole process, Naireeta services have made an informed choice of keeping the knowledge within public domain. This decision is based on a consequentialist moral tenet of creating a society that epitomizes equality, freedom and opportunities. It is near to Mahatma Gandhi’s vision of bringing Gram Swaraj.

## Strategic choices

The result reflects your current status. Now identify and prioritize the SDGs that you can take action on. Tick one or several of the questions you want to base your strategy on:

- Which positive impacts can you strengthen even further?
- Which negative impacts can you eliminate or minimize?
- What is needed and who can help you to fill the knowledge gaps?

## Strategy



### NO POVERTY

End poverty in all its forms everywhere



#### Impact

**DIRECT POSITIVE**

#### Motivation

Naireeta Services focuses on below poverty line women small holder who are surviving with an annual income of less than 200\$. These women are enabled with Bhungroo technology ( Open Source) for defeating drought by using excess erratic rain water. Within first 12 months they experienced two seasons of crop income from erstwhile zero cropping for the whole year. Thus their crop income increases from 200\$ minimum 500\$ minimum in first year and fodder for animals implying milk income of around 300\$ per annum.



## ZERO HUNGER

End hunger, achieve food security and improved nutrition and promote sustainable agriculture

### Impact

**DIRECT POSITIVE**

### Motivation

The best part of the innovation is to save standing monsoon crop during erratic rain & water logging. Monsoon crop being the primary food crop, ultra poor women member are able to save their food crop from water logging. This ensured family food security for round the year survival for minimum 5 to 8 family member.



## GOOD HEALTH AND WELL-BEING

Ensure healthy lives and promote well-being for all at all ages

### Impact

**INDIRECT POSITIVE**

### Motivation

As explained in SDG 2, the communities are able to access better nutrition from monsoon crops, as they are primarily food crops based on traditional knowledge and traditional seed varieties, this builds improved nutrition among communities leading to better health.



## QUALITY EDUCATION

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

### Impact

**INDIRECT POSITIVE**

### Motivation

These projects enable community to acquire high scale education, which in turn enable women members to exercise their acquired knowledge through co-creating solutions encompassing gender walk of their life, which is exemplified not only gender value addition but also girl child education.



## GENDER EQUALITY

Achieve gender equality and empower all women and girls

### Impact

**DIRECT POSITIVE**

### Motivation

Whole Bhungroo project focuses on women empowerment, where all the village women are educated about ground water irrigation and shown them a clear path to income by harvesting crops in a better manner. UN also finds that it is one of the best program across the globe which works on gender justice, gender centric technology inclusion and most important gender centric program co-creation. Hence we accord Direct positive impact on this vertical



## CLEAN WATER AND SANITATION

Ensure availability and sustainable management of water and sanitation for all

### Impact

**INDIRECT POSITIVE**

### Motivation

The project delivers removal of excess unwanted water during peak monsoon season. These scatters the key sanitization need of the local community. It also enables them to be away from vector borne diseases / water borne diseases. Hence the process is tallying up towards sanitation. however as it is not core activity of the project, we have accorded indirect positive dimension in this vertical.



## AFFORDABLE AND CLEAN ENERGY

Ensure access to affordable, reliable, sustainable and modern energy for all

### Impact

**NO IMPACT**

### Motivation

Even though the project works on solar energy but that is yet to be developed as core deliverable. Hence at current context it can be defined that this project is yet to create substantial impact on this vertical.



## DECENT WORK AND ECONOMIC GROWTH

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

### Impact

**INDIRECT POSITIVE**

### Motivation

Bhungroo saves standing monsoon crop during erratic rain & water logging as well as ensure irrigation water during dry period. So it ensures economic opportunities and farm livelihoods to unschooled rural poor as well as rural wage earners. Majority of the beneficiaries are consisted of below poverty line communities the BHUNGROO process enunciates decent livelihood and significant economic betterment



## INDUSTRY, INNOVATION AND INFRASTRUCTURE

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

### Impact

**NO IMPACT**

### Motivation

The project is channelized in rural areas where infrastructure development is yet to be introduced. Hence at current context it can be defined that this project is yet to create substantial impact on this vertical.



## REDUCED INEQUALITIES

Reduce inequality within and among countries

### Impact

**INDIRECT POSITIVE**

### Motivation

Particularly for this point - Naireeta and its gender centric program execution model has played an omnipotent role towards equity guaranteeing. This process is further strengthened thru peer support program on theory of numbers. That was an added tool. But we feel that in spite of all these favorable factors, the program is yet to cover or cater to all the sub-agenda for reduced inequalities but somehow it has made a good impact.



## SUSTAINABLE CITIES AND COMMUNITIES

Make cities and human settlements inclusive, safe, resilient and sustainable

### Impact

**NO IMPACT**

### Motivation

The project is channelized in rural areas where urban development is yet to be introduced. Hence at current context it can be defined that this project is yet to create substantial impact on this vertical.



## RESPONSIBLE PRODUCTION AND CONSUMPTION

Ensure sustainable consumption and production patterns

### Impact

**NO IMPACT**

### Motivation

The project is for water irrigation . Hence at current context it can be defined that this project is yet to create substantial impact on this vertical.



## CLIMATE ACTION

Take urgent action to combat climate change and its impacts

### Impact

**DIRECT POSITIVE**

### Motivation

Bhungroo project's primary success lies in converting one climate shock as solution against another. It is defeating drought by reusing excess and unwanted water of water logging or erratic monsoon. This ensures zero water foot print irrigation. With addition of solar panel based pumping system it further ensures zero carbon footprint irrigation. Thus it corroborates key tenets of Climate Action. It has been awarded with Climate Action award by UNFCCC as well as got awarded for Gender Just Climate Solution by WGC (UN) and last but not the least it has been rewarded as best Green Gender Champion by none other than the GCF. Hence we accord Direct positive impact on this vertical



## LIFE BELOW WATER

Conserve and sustainably use the oceans, seas and marine resources for sustainable development

### Impact

**NO IMPACT**

### Motivation

The project mainly focuses on ground water irrigation. Hence at current context it can be defined that this project has no impact on this vertical.



## LIFE ON LAND

Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

### Impact

**DIRECT POSITIVE**

### Motivation

Bhungroo project dealing with ground water irrigation and conserving sweet water in ponds and reducing soil salinity ensures a new angle to bio-terrestrial ecosystem enrichment and conserving water as well for crop plantation. It does make a sizeable impact indirectly.



## PEACE, JUSTICE AND STRONG INSTITUTIONS

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

### Impact

**INDIRECT POSITIVE**

### Motivation

The project execution at grassroots had to face stiff oppositions from powerful groups and vested interest nexus as the poor people were getting emancipated from their clutches. In spite of series of challenges, program was successful to mobilize the poor with larger numbers and they were enabled to deal these challenges by themselves peacefully but successfully. However, the fructification of this strategy will take place in near future as it is now part of India government policy. Hence at current context it can be defined that this project is in process of creating this impact.





## PARTNERSHIPS FOR THE GOALS

Strengthen the means of implementation and revitalize the global partnership for sustainable development

### Impact

**INDIRECT POSITIVE**

### Motivation

Naireeta Services has made an indirect positive impact on making the resource sustainable for domestic revenue collection and sharing knowledge with the villagers to make the right use of the resources available to them and strengthening the science, technology and innovation.