smart
paani

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February 22, 2021; Monday.

The Global Compact,
United Nations,
New York, NY 10017,
USA.

RE: **Statement of Continued Support for the Global Compact**

Dear Sir/Madam:

I hereby confirm our continued participation and support to the Global Compact initiatives, as Smart Paani continues to adopt Global Compact principles deeply intertwined with its daily operations.

Thank you.

Sincerely,

Suman Shakya
Managing Director

SMART PAANI PVT. LTD. ESTD 2013 NEPAL

Smart Paani

UNGC ID 127451
Member since February 22, 2018

Communication on Progress (COP)

February 22, 2021

Smart Paani is pleased to confirm its support of the Ten Principles of the United Nations Global Compact in the areas of Human Rights, Labour, Environment, and Anti-Corruption. We have strict guidelines as well as measurement of outcomes in place. In our 2020/21 Corporate Sustainability Report below, we describe our actions to continually improve the integration of the Global Compact and its principles into our business, strategy, culture, and daily operations. We also commit to share this information with our stakeholders using our primary channels of communication.

SmartPaani is a social enterprise working in the water sector since 2011. SmartPaani believes that everyone should have ease of access of clean water. Through its interventions, SmartPaani works toward providing affordable accessibility of safe and clean water to different segments of society.

By promoting, developing and installing a fully circular range of water conservation and filtration technologies with dependable aftersales, SmartPaani has been trying to improve the quality of life of its clients and their communities.

Our solutions include:

1. Rainwater Harvesting and Recharge
2. Water filtration
3. Wastewater treatment and recycling
4. FilterPlus- WASH in Schools
5. Consulting

SmartPaani Systems and Solutions:

1. SmartPaani Rainwater Harvesting

SmartPaani has developed an automatic filtration system for rainwater harvesting. These filters are designed to filter the physical contaminants from the rainwater, in real-time. Each unit consisted of two components – automatic first flush unit and a rapid sand filter. The output of these filters can be stored in the storage tank, and the water if fit for all purposes.

Facts:

I. Can help meet up to 50% annual water requirement
II. Helps reduce the stress on groundwater
III. Payback: 2-4 years
IV. Treatment: Chemical free, minimal operation and maintenance cost

2. SmartPaani Rainwater Recharge

SmartPaani designs and implements rainwater recharge systems. The systems can be customized based on the availability of the space and requirement of client.

Facts:

I. 150 Billion liters of rainwater is surface sealed in Kathmandu, due to no recharge. The situation is similar in other growing cities of Nepal.
II. Recharge can help increase the groundwater table
III. Can help water logging issues in the property

3. SmartPaani Biosand Filter

Groundwater is a major source of water in most parts of Nepal. SmartPaani Biosand filters are chemical –free and all natural filters to filter groundwater/spring water. These are highly effective in removing iron , turbidity and bacteria. In urban areas, these can be used as pre-filters to filter out the iron and turbidity. In places with spring water, the filter can be used to produce drinking water.

Facts:

Treatment system:

I. Based on natural and physical process
II. Chemical free
III. Negligible energy consumption
IV. Minimal operation and maintenance cost
V. Almost no replacement cost
VI. Highly efficient in removing metal contaminants like

4. SmartPaani Tripti Filter

Tripti water filter is a simple and portable filter made from the Silver Nano technology (colloidal silver) with distinctive 4 levels of filtration. This is a simple water filtration process which can easily be made point of use with no boiling required saving cost and time. Tripti Filter can be used to filter rainwater and tap water.

Facts:

I. E-coli bacteria Removal 99.995%
II. Parasite Removal 99.99%
III. European technology
IV. Fast Flow
V. Longer life

5. SmartPaani FilterPlus

SmartPaani's Filter Plus Model is a new way to mainstream sustainable clean water solutions in schools. This model provides an impact that lasts, reversing the traditional model that usually adopts a 'Fit and Forget' method, where filters are installed without any follow-up support.
The Filter Plus model targeted at schools includes:

- Durable Water Filters
- Regular WASH Training
- Maintenance Service

Students get daily access to a clean water source and understand the benefits of clean water. WASH Education and dedicated local entrepreneurs increase the adoption of habits

at schools and at homes, increasing the impact. The final component of the model being continuous follow-up and maintenance support, to ensure long-term functionality.

6. SmartPaani Water Treatment and Recycling systems

SmartPaani designs modular greywater recycling systems, which works on an all-natural filtration process. The process does not use any chemicals. The proposed solution will recycle water from:

1. Laundry
2. Showers and handwashing

The aim of installing these systems is to recycle at least 80% of the water generated per day. The treated greywater water can be used for toilet flushing, vehicle washing, and gardening. This will significantly reduce the dependence of the resort on their other water sources.

7. SmartPaani Consulting Service

SmartPaani provides consulting services to incorporate a complete sustainable water management solution for projects, individual households, hotels, etc. Based on the requirement of the client, SmartPaani can consult, design and implement feasible solutions.

Impact on Year 2020

SN	System	Total
1.	Total Rainwater collected and recharge	22,201,669 Liters
2.	Total Groundwater Filtration System	47 units
3.	Drinking water system -Tripti Filter	965 units
4.	Support and Maintenance at Public Schools	95 Schools