

PRAGYA SEEDS NEPAL



an initiative by

- PRAGYA SEEDS NEPAL (PGSN)

उर्जा तथा खाद्यमा स्वाम्बन वनौ शून्य फोहरतिर लाक्षित गरौ ।



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PGSN Pragma Seeds Nepal
Cultivating knowledge for a better world

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About PGSN

Pragya Seeds Nepal is a Nepali NGO created by young Nepali entrepreneur that is concerned with spreading Zero Waste over Nepal, supporting the local economy and the environment through a community-approach of the obvious and worrying waste problem of this country. PGSN has over ten Nepali members as well as occasional foreign interns and associates. It is also ranked under top10 nominee NGO of Nepal from World Bank and AEPC. It is directly supported by Thanal, an Indian NGO concerned with Zero Waste Asia. The concept of a modality is principally governed from Kovalam and Newzealand. The same modality is coordinating more countries together with Nepal internationally.

PGSN has developed and implementing its pilot project Let's Clean Kathmandu and make Zero waste City in Boudhanath, Aalapot, Chitwan together with various local groupstowards Zero Waste in Nepal. It had also organised trainings and workshops in various Municipalities, organisations, non-organisation, and local (women) groups. All together we have already given training to 760 persons of various high ranked officers and local community people. Same modality of Boudhanath program has also been replicating in Chitwan and other part of Nepal.

Mission

Promote access to scientific knowledge and practices thus enabling an informed confrontation of the human problem.

Pragya Seeds Nepal offers support to its local equivalents for setting up projects worldwide with the aim of improving the environment in which we live in a sustainable way.

Approach

Zero Waste Center
Resource Recovery Facility
Sovereignty
Empowerment

Principle

PGSN 8 Cycle Principle



Award and Reward

Top 10 nominee of waste to energy concept by World Bank/AEPC
Zero Waste Himalaya-Nepal Chapter leader granted by THANAL, India
Member of Global Alliance Incinerator Alternatives (GAIA)

Projects:

1. Let's Clean Kathmandu and make a Zero Waste City – Boudhanath–Alapot
2. Towards Zero Waste Sauraha & Ratnanagar

1. Let's Clean Kathmandu and make a Zero Waste City – Boudhanath – Alapot

Establishment of Zero Waste Center (Tinchuli)

Pragya Seeds Nepal established Zero Waste Center in Tinchuli. Zero Waste Centre of Tinchuli producing Paper bags, cloth bags, paper jewellery and many more products, generating income through selling those products. Trained local women of Zero Waste Center conducting training and support for local persons. Till ZWC has trained 100 local women's/youth and sold products valued more than 50000 rupees.



Picture 1: Women working at Zero Waste Center

Establishment of Resource Recovery Facility (Alapot)

Pragya Seeds Nepal is constructing 50 cubic meter bag digester to its Resource Recovery Facility-Alapot (Sundarijal), with objectives to provide irrigation facility to local farmers. Pragya Seeds Nepal also built Compost plant for organic farming and developing as model firm. For this PGSN leased land and has planned to extend area with the coordination with local Club and farmers.

Biogas Plant (Designed by GIZ and NBPA)

It is composed of 1 bag digesters of 50 cubic meter cube capacity with necessary infrastructure to receive and prepare organic materials. The plant will be scalable, in the sense that other bag digesters may be added in order to increase its capacity. It is also removable as the land where it will be constructed is a leased land.

Irrigation system

Irrigation will be provided using a water pump running with the biogas produced. The water tank will be situated on a small hill nearby the plant so gravity will be used to deliver the water to the farmers. In the first year, 500 farmers should be using the irrigation system.

Electrification

Electricity will be generated through a 3 kw biogas generator (electric energy is 30% of the gas used) for house lighting purpose during evenings.

Compost plant

The compost plant of 4 brick tanks for a capacity of 1 ton per day. The compost processing time is around 50 days. Like the Biogas plant the composting plant will be scalable by building additional compost tanks.

Location

The RRP will be located in Alapot Sundarijal in a 6 Ropani land that is on lease for 10 years (renewable contract).

Plant ownership and management

The RRP will be run as a private entity owned by institutional shareholders. The main shareholders will be the local women cooperative, the local Microfinance institution, PGSI and the garbage collectors.

2. Towards Zero Waste Sauraha and Ratnanagar

The Bachhauri VDC is located in Inner-Terai lowlands of the Chitwan District in the Narayani Zone of south-central Nepal, 166 Km SE of the capital city Kathmandu. There are 9 wards in Bachhauri VDC. One of them is Sauraha, Nepal's 3rd major tourist destination. The Bachhauri VDC lists the population of 11979, (2010 VDC survey) with a female and male population of 5698 and 6281 respectively (more details on population characterization are listed in annex 1). Most residents live in traditional Tharu housing but the numbers of concrete-built houses are spurring

rapidly. Chitwan National Park as a main tourist attraction spot was established in 1973 and granted the status of a World Heritage Site in 1984.

Zero Waste Center Sauraha is the initiative to use the wisdom of Zero Waste to improve and finally solve the waste generated problem in Bachauli VDC. In this program non – degradable waste will be reused and recycled. This program will benefit economic development and environmental preservation in Bachauli VDC. Zero Waste Center is founded on 2013. Nine association of Sauraha became the member of Zero Waste Center to make Sauraha Zero waste with PGSN and the FMSC along with Women Group has been signed.

Pragya Seeds have formed core team at Sauraha to make Zero Waste running and that core team has formed Resource person team to implement Zero Waste. Pragya Seeds conducted one day workshop for 40 women and youth and also done campaigning against burning waste in that area and manage to make waste burning free Sauraha. We have prepared Approach paper of Sauraha Towards Zero Waste and also designed the road map. We are doing campaigning to make plastic bag free Sauraha.

Three trainer from Kathmandu sent to Sauraha to give training to 35 local women’s of Sauraha for making paper bag, paper jewelry, Pote/bead (jewelry), bags from tailor waste, jute Bags and many more products.

Tourism association and Hotel association have provided us 3 kattha of land to develop Resource Recovery Facility. Resource Recovery Facility Center is in its initial phase of design and planning.



Picture 2 Sauraha Zero waste Center