

## 3R GOOD PRACTICES IMPLEMENTED BY NGOS/CBOs



### 3R Good Practices in Nepal

<b>NGO /CBO</b>	Nepal Pollution Control and Environment Center (NEPCEMAC)
<b>Activity</b>	Solid waste collection and disposal, Recycling of solid waste and Environmental awareness campaign

### OUTLINE OF 3R GOOD PRACTICES

<b>Keywords</b>	Solid waste, Recycling, Nepal
<b>Country</b>	Nepal
<b>Area Implemented</b>	Kathmandu Metropolitan City ; Lalitpur Sub-Metropolitan City; Ichhangu, Dhapsahi, Sitapaila Village Development Committee's (VDC) Katmandu; Biratnagar Sub-Metropolitan City; Itahari Municipality; Triyuga Municipality
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<b>Waste Sector</b>	Solid waste
<b>3R Practice</b>	Composting of organic waste, Recycling of paper, Sorting of solid waste for recycling
<b>Website / Data Source</b>	

## OVERVIEW OF PRACTICES

### **Introduction**

NEPCEMAC (Nepal Pollution Control and Environment Center) is a local NGO established in 1997. It is one of the most active NGOs covering large areas in Nepal in solid waste management sector. It helps the government to tackle all the issues on solid waste management in many areas of Nepal.

### **3R Good Practice**

This NGO consists of 270 employees who is involved in various activities of solid waste management in Nepal. The NGO currently collects waste from about 14,000 households across its service area. It is involved in door-to-door waste collection using tricycles, segregation and selling of recyclables. A service fee between Rs 50 (0.64 USD) and Rs 200 (2.54 USD) is charged for waste collection based on the amount of waste generated by each household. The recyclable materials such as plastics, paper, and metal are sorted out at the collection centers, and sold to the recycle vendors. The remaining wastes are then transported to landfill site.

NEPCEMAC operates two composting plants; one in the Central Zoo of Nepal and the other in Hadi Gaon in Kathmandu. About 9000 kg of garbage is produced in the Zoo every month producing compost of about 350 kg per day. The Hadi Gaon compost plant is fed with 600 kg organic waste producing 120 kg compost per day. It runs a recycle paper plant in the Siddhartha Vansthal School with more than 5000 students. This plant relies on the paper waste produced from school and its recycling. Training and awareness programs on waste, different composting techniques and 3R practices are also conducted by this NGO. The target group for this program includes homemakers, students, community leaders, local stakeholders, and clubs.

### **Outcome of Practice**

- Effective door-to-door collection system of NEPCEMAC has resulted in creating clean and solid waste free service area for this NGO.
- The compost produced from waste collected in Central Zoo and Hadi Gaon compost plant is sold as fertilizer.

NEPCEMAC has set a model on effective collection of solid waste and good 3R practices. It holds special position among the NGOs in waste sector, not only due to its coverage but also due to its ideal compost plants and public awareness programs.



**NEPCEMAC Head Office**



**Compost bins for public distribution**



**Recycled products and recycled paper by NEPCEMAC**



**Vermicompost boxes**



**Compost tank**