



Assessment on Municipal Solid Waste Released, Management and Recycling in Supply Chain in Major Three Cities of Nepal

Kattel Rishi Ram^{1*} and M. Nepal²

¹Department of Agricultural Economics and Agribusiness Management, Agriculture and Forestry University, Rampur, Chitwan, Nepal

²South Asian Network for Development of Environmental Economics (SANDEE)/ International Centre for Integrated Mountain Development (ICIMOD), Nepal

Abstract:

In Nepal solid waste management is one of the major environmental issues, especially in the urban areas. While solid waste management (SWM) has become a major concern for municipalities and the country as a whole, the status of SWM is not fully understood due to the lack of SWM baseline data, which are also essential for effective planning. On the other hand plastics based waste management and recycling activities in the major cities of Nepal has not adopted in the sustainable manner. Such a back drop, this research attempts to assess the plastic waste released, management and recycling in supply chain in three cities in February to August, 2018. This study revealed that about 47% household segregate their HH waste which is found higher in Hetauda (83.8%), followed by Bharatpur (46.9%) and Butwal (28.6%). About 6.7% HHs have had public waste collection bin nearby their home whereas 71.1% surveyed HHs have had knowledge on solid waste management. About 40% HHs heard of importance of plastic waste recycling and majority (91%) express their readiness to segregate the plastic solid waste if recycling program is set up in municipal area. It revealed that 49% HHs concern about effect of human health and 40% concern the effect on environment from solid waste whereas 68.9% HH have preferred door-to-door type of waste disposal system. Furthermore, public awareness and private sectors involvement mechanism should be promoted for reduce, reuse, reduce and recycle (4R) of plastic waste as well as participatory market system



development of solid waste in supply chain management through involvement of all concerned stakeholders.

Biography:

Rishi Ram Kattel is an academic with extensive practical and field experience within the agriculture sector in Nepal. He is an Assistant Professor in the Department of Agricultural Economics and Agribusiness Management, Faculty of Agriculture, Agriculture and Forestry University (AFU), Rampur, Chitwan, Nepal. His primary research focuses value chain analysis, migration impacts assessment and gender in agriculture analysis. He has over 12 years' experience working on value chain and supply chain diagnostic on high value commodities and crop seeds, municipal solid waste management assessment of outmigration, gender analysis, participatory market system development and is familiar with a range of research and analysis methods, including the use Global Value Chain Mapping and a variety of statistical and qualitative research techniques. His work includes a number of studies and publications focused on value

Citation: Kattel Rishi Ram, Assessment on Municipal Solid Waste Released, Management and Recycling in Supply Chain in Major Three Cities of Nepal, Recycling 2020, May 04-05, 2020; Vienna, Austria