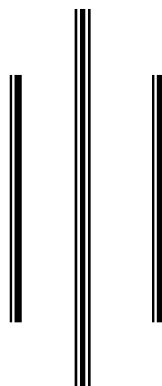


**A PROGRESSIVE REPORT ON
MUNICIPAL SOLID WASTE MANAGEMENT 'PHOHOR WATA MOHOR'
OF
TILOTTAMA MUNICIPALITY**



Submitted to
Tilottama Municipality
Rupandehi

Submitted by

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PROJECT SUMMARY

Proposed Project Title	PHOHOR WATA MOHOR
Project Area	Core city area of Municipality
Target Groups	1000 HHs of core settlements of municipality
Project Implementation	The proposed project was implemented by Local Partner of Tilottama Municipality and YONSED provided the technical assistance to facilitate the activities of community based waste management at Tilottama municipality in cooperation of the municipality.
Sustainability	The economic resource generated during waste management and the cost channelized from the household level on account of waste collection will sustain the activities of solid waste management.

INTRODUCTION

Environmental pollution and problem of waste management is no new issue for any municipality in Nepal. **Tilottama** municipality is one of them. In every Municipality of Nepal, solid waste management is major problem. The problem of waste management is eminent in **Tilottama** municipality although it has given top priority to solve the problem of solid waste. Still people seem to be unconscious regarding the environmental issues. The public still thinks that environmental management is responsibility of municipality only. Due to throw away nature of the existing society, waste can be seen scattered around the streets and it has been deteriorating the beauty of the city. Hence YONSED introduced community based project “PHOHOR WATA MOHOR” which gives priority on sustainable management of the solid waste problem in the municipality through the enthusiastic involvement of the public and by implementing the process of segregation, composting, and 4R system by developing the systematic demonstration site of solid waste management. Around 1000 households along with shops, schools, hotels, various institutions will be directly benefited from this project initially.

Basically, YONSED contributes by providing technical assistance in carrying out the activities like public awareness, implement proper practice of waste segregation, highlight the concept of 4R (Reduce/Refuse/Recycle/Reuse), conduct general training regarding waste handling, waste collection, and information dissemination in regard to waste management and handling.

OBJECTIVES

Provide technical assistance in fulfilling following objective

- i. To develop engineering design of a site for solid waste management
- ii. To aware public to transform waste as an economic resource.
- iii. To minimize the generation of quantity of disposable waste from the household level.
- iv. To encourage people towards 4R system (reduce, reuse, recycle, and refuse).
- v. To provide solid waste management services to the people in the least possible service charge.

ACTIVITIES CARRIED OUT

Following activities were carried out during this initiative

I. ORIENTATION ON SWM

An orientation on management of municipal solid waste management was carried in cooperation of Tilottama Municipality as per the part of technical assistance to be provided by YONSED.

Title	Scenario and Issues of Municipal Solid Waste Management
Time	10:00 am-01:00 pm
Date	May 07, 2017
Venue	Resunga Party Palace, Tilottama Municipality, Rupandehi
Target participants	Local communities, Elected members, and staffs
Nos. of participants	Around Seventy (70)

With the initiation of the project, a motivational orientation program was organized in regard to analyze municipal solid waste management in Nepal. The orientation programme started with the welcome speech by Ms. Gita Pandey of local partner organization.



Soon after the welcome speech, Mr. Udaya Rana, Chief District Officer, Rupandehi commenced his presentation focusing on Scenario, Issues, Challenges and Process of Managing Municipal Solid Waste Management of Tilotama Municipality. Mr. Thapa in his presentation stated that management of solid waste is a growing concern in Nepal as urban population densities increase and flat usable land is in short supply. Although small urban centers were declared to be municipalities, they suffer from a lack of infrastructural, technical and financial resources to tackle the problems of waste management. With

increasing public awareness about good health and a clean environmental sanitation, solid waste management has now become the priorities of the municipalities in Nepal.

Mr. Rana further added that few municipalities are also promoting waste reduction, reuse, and recycling among the communities. However, in spite of the many challenges faced by municipalities, in some urban areas, municipalities have joined hands with local communities and the private sector to introduce innovative approaches for waste management that are cost effective and efficient. These include door-to-door collection, plastic collection and recycling systems with community and private sector participation, composting, and landfilling. The challenge now is to replicate and scale up these good examples.

After the presentation by Mr. Udaya Rana, Mr. Ram Maharjan, an environmental expert, presented a presentation on integrated municipal solid waste management of Nepal. Mr. Maharjan in his presentation unfolded that effective solid waste management is more than just cleaning the streets or collecting waste and dumping of the collected waste, as practiced by most municipalities. Mr. Maharjan further added that Private sector participation (PSP) in solid waste management can improve efficiency, reduce the need for municipal investment, and share risks associated



with introducing a new technology or system. In spite of these clear benefits, many municipalities have not been able to take advantage of PSP in waste management. In most cases, the involvement of private sector has been in the form of management contracts where a private contractor is given the responsibility of collecting waste from a certain area for a fixed fee. This form of PSP may reduce the cost of waste management to a certain extent but it requires effective monitoring by the municipality.



Similarly, Mr. Jeevan Thapa, YONSED, highlighted upon the general policy issues and scenario of municipal solid waste management of Nepal. Mr. Thapa stated that The Local Self-Governance Act and SWM Act have mandated municipalities to take charge of collection, transport, treatment, and final disposal of MSW. As mandated under the new Solid Waste Management Act, 3R should be promoted to significantly reduce the amount of waste to be disposed of at final disposal sites, thereby saving costs for final disposal and reducing public health and environmental risk.

Mr. Thapa further revealed that the enactment of the new Solid Waste Management Act in 2011 was a major step toward improving SWM practices in Nepal. The government is in the process of formulating a new SWM policy. Under the policy and strategy, municipalities are encouraged to develop a time-bound implementation plan for improving SWM. Technical guidelines will also need to be developed for issues such as organic composting, resource recovery technologies, and landfill development and operation.

After the presentation by Mr. Jeevan Thapa, Mr. Basudev Ghimire, Mayor of Tilottama Municipality gave his special remarks about the program. He appreciated the effective mechanism and a platform for collaborating and coordinating among the concerned stakeholders and shared his excitement to learn from the experiences of other municipalities as shared by Mr. Jeevan Thapa



The orientation program was finally wrapped up by the chairperson of the program, Mr. Khem Raj Gautam, WASH Cooperative, the local partner for MSWM of Tilottama Municipality after a few genuine discussions among the participants and the experts.

The program proved helpful in

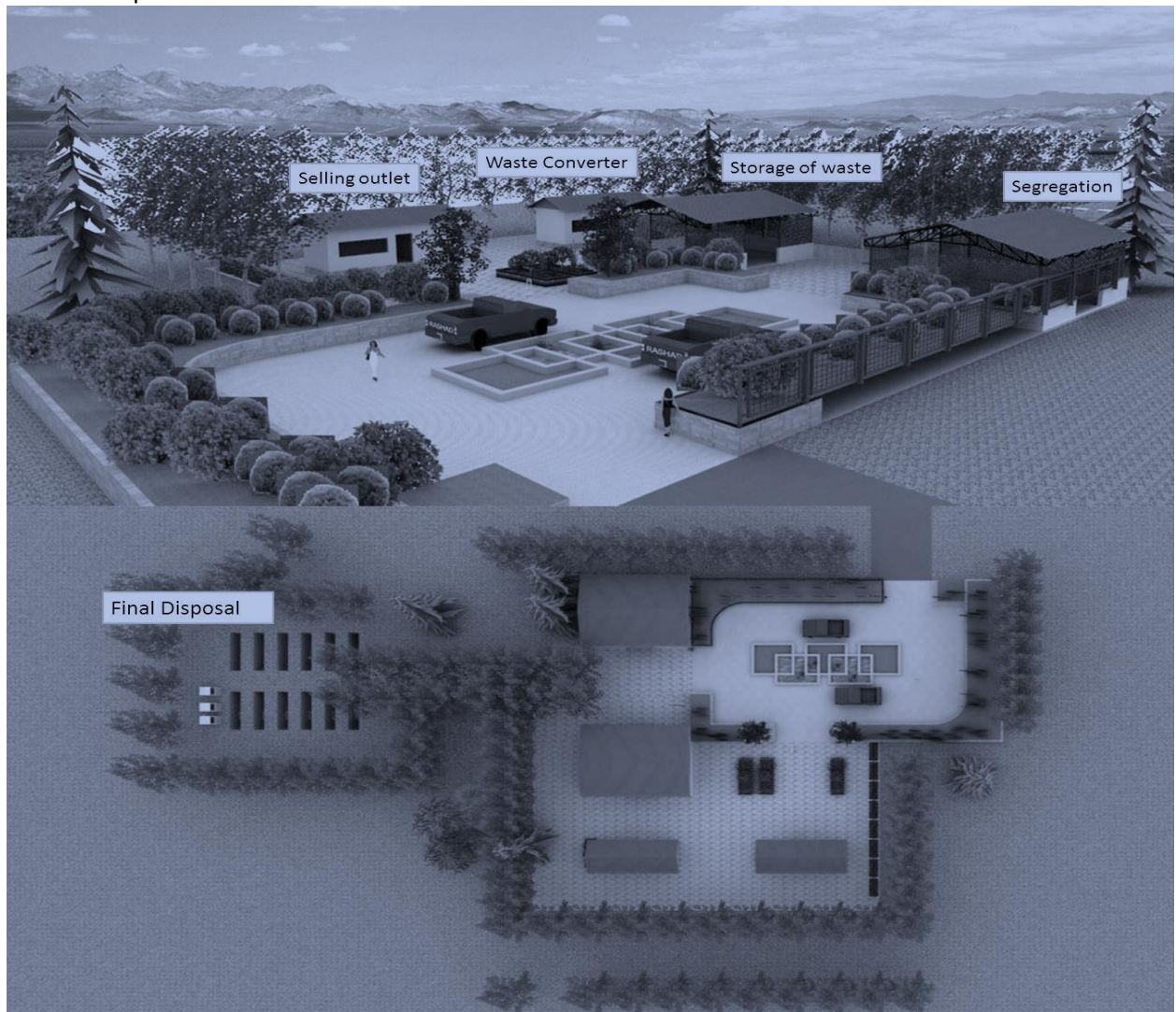
- ❖ Providing general concepts and issues of municipal solid waste management of Nepal
- ❖ Motivating locally elected members and staffs on managing municipal solid waste of Tilottama municipality
- ❖ Motivating the municipality to explore a potential municipal solid waste management site
- ❖ Inspiring local partner on developing business model of Tilottama Municipality for sustainable MSWM
- ❖ Inspiring local partner on developing a waste management site as a major tourism site by developing the site in the form of a park.

II. TECHNICAL GUIDANCE

The Local Partner, WASH Cooperative Limited selected for municipal solid waste management of Tilottama Municipality was empowered and strengthened by technical guidance provided by YONSED to facilitate activities of SWM at different time interval.

III. ENGINEERING DESIGN OF MSWM DEMONSTRATION SITE

YONSED prepared engineering map of the municipal solid waste management site maintaining space for composting, nursery, reusable materials, and space for final waste for dumping. The engineering report provided 2D, 3D, and detail estimation for the construction of the site. The details are attached along with this report.



OUTPUTS OF THE ACTIVITIES

- A orientation program organized for sensitizing the local communities, elected representatives, staffs of Tilottama Municipality in regard to scenario of Municipal Solid Waste
- A site explored and finalized for municipal solid waste management of Tilottama Municipality
- Engineering map of municipal solid waste management site of Tilottama Municipality developed
- A local partner strengthened to contribute as well as implement the project activities

FINANCIAL ANALYSIS

SN	Particulars	Amount (NPR)
1.	Orientation Program	53400.00
	Service cost of expert-3	15000.00
	Transportation (Ktm-Tilottama-Ktm) for two person (Includes airfare and internal transportation)	18400.00
	Lodging/Fooding for the expert-2	5000.00
	Tea/Snacks for participants	15000.00
2.	Technical Assistance	88000.00
	Team Leader (Includes transportation, lodging/fooding during the 11 visits and interaction meetings with local partner and the municipality) (Covered the period of One Year)	66000.00
	Local Facilitator (Includes daily service allowance and internal transportation) (Covered the period of One Year)	22000.00
3.	Engineering design of the site (Includes 2D, 3D, and detail estimation of the site)	85000.00
Total		226400.00
VAT		26046.02
Grand Total		252446.02
In words: Two Lakhs Fifty Two Thousands Four Hundred Forty Six and Two Paise Only		