

# Waste Management Survey 2076(2020) Questionnaire

*Unofficial translation in English*



Government of Nepal  
National Planning Commission  
**Central Bureau of Statistics**

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## 1.Introduction

### 1.1 General Introduction

1	Name of Municipality		Code	
2	District		Code	
3	Province		Code	
4	Total Area of Municipality (Sqaure Kilometer)			
5	Estabalished year			
6	Total ward no.			

### 1.2 Respondent Information

1	Name	
2	Post	
3	Gender	
4	Department/Division/Section/Unit	
5	Contact No.	

### 1.3 Land use information of Municipality

S.No.	Discription	Area(Square Kilometer)
1	Builtbup area	
2	Agricultural land	
3	Forest	
4	Water bodies	
5	Barren Land	
6	Others (Specify) .....	
<b>Total</b>		

**1.4 Major Rivers/Lakes/Ponds or other water bodies of Municipality**

S.No.	Name	Type	Area(Square meter)
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Type: 1-River 2-Lake 3-Pond 4- Others *Note : Not needed the area of river*

**1.5. Description of Road Network within the Municipality**

S.No.	Descriptin	Length(k.m)
1	Black topped	
2	Gravel	
3	Earthen	
<b>total</b>		

**2.Organizational and Managerial Description**

**2.1 Does this municipality have an established Department/Division/Section/Unit for waste management ?**

1. Yes 2. No

**2.2 Employment status**

S.No.	Discription	Number of employees
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S.No.	Description	Male	Female	Total
1	Total employees of Municipality(Permanent, Temporary, Contract)			
2	No. of employees working in environment sector			
3	No. of employees working in waste management sector			

Note: The reference day for the employ is the enumeration day

### 2.3 Information about the employees related to waste management

S.No.	Post	Number of employees		
		Male	Female	Total
1	Environment Engineer			
2	Civil Engineer			
3	Mechanical Engineer			
4	Environment Officer			
5	Sub Engineer			
6	Supervisor			
7	Mechanics			
8	Driver			
9	Helper			
10	Sweeper			
11	Municipal Police			
12	Other (specify)			

## 3. Financial Information

### 3.1 Expenditure on Waste Management

S.No.	Topic	2074/75	2075/76	2076/77
		Real	Real	Estimated
1	Total budget of the Municipality			
2	Budget on Environment Sector			
3	Expenditure on Waste Management			

3.1	Street sweeping			
3.2	Drainage cleaning			
3.3	Waste collection			
3.4	Transfer station management			
3.5	Land fill disposal			
3.6	Maintenance			
3.7	Fuel			
3.8	Capital expenditure			
3.9	Others			
<b>Total expenditure ( 3.1 to 3.9)</b>				

**3.2 Does municipality collect service charge (money) for the waste collection service provided ?**

1. Yes 2. No → 3.4

**3.3 If yes, specify the amount (Monthly)**

S.No.	Type	Service charge amount( Rs.)
1	Household	
2	Office/Organization	
3	Hotel/Resturant	
4	Trade Establishment	
5	Health Institutions/Hospital	
6	Others(Specify).....	

**3.4 Income of Municipality by the waste management**

S.No.	Type	2074/75	2075/76	2076/77
		Real	Real	Estimated
1	Waste collection service			
2	Fine/punishment			
3	Grant provided by federal and province government			
4	Foreign grant			

5	Others(Specify).....			
<b>Total income</b>				

**3.5 Which of the following are involved in solid waste collection? (multiple answer possible)**

1	Municipality staff	
2	Private organizations	
3	Community organizations	
4	Non profit organizations	
5	Others(Specify).....	
6	Not collection of waste	

**3.6 If the organizations in 3.5 (2 to 5) are involving in solid waste collection, describe the following**

1	Number of NGOs/Private Organizations	
2	Designated areas of waste collection (No. of wards)	
3	yearly collected amount in Rs. (fiscal year 2075/76)	

**4. Composition and collection of solid waste**

**4.1 Type and amount of solid waste collection (as per municipality record)**

S.No.	Type of solid waste	Amount of Solid Waste collection yearly ( Metric tons)		
		2073/74	2074/75	2075/76
<b>Organic waste</b>				
1	Cloth			
2	Leather			
3	Paper			
4	Agricultural related/ Garden management			
5	Others			
<b>Total</b>				

<b>Inorganic waste</b>			
1	Plastic		
2	Lead		
3	Rubber		
4	Metal		
5	Others		
<b>Total</b>			
<b>Other solid waste</b>			
1	Toxic		
2	Hospital related waste		
3	Electrical/electronic waste		
4	Other chemical waste		
<b>Total</b>			
<b>Grand total</b>			

**4.2 How is the collected waste classified ?**

S.No.	Classification	Collected amount( Quintel/day)
1	Genetrated from households	
2	Genetrated from trade establishments	
3	Generated from industrial establishments	
4	Generated from educational establishments	
5	Generated from health institutions/hospitals	
6	Others(specify)	
<b>Total</b>		



**4.3 Does the municipality provide a service of sweeping in open spaces, streets and junctions?**

1. Yes    2. No → 4.5

**4.4 If yes, how much percentage of municipality is covered by this sweeping ?**

	%
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**4.5 Area covered by solid waste collecton**

S.No.	Description of wards	Number of wards	Benifited households	Benifited population
1				

**4.6 What are the available equipments and vehicles in municipality for waste management ?**

S.No.	Type	Number
1	Rikshaw	
2	Tractors/Power trailer	
3	Mini truck(Pickup)	
3	Tripper/Truck	
4	Lodder	
5	Dozer	
6	Excavator	
7	Broomer	
8	Zet machine	
9	Others(specify)	

**4.7 How much percent of waste is collected by municipality of the total waste generated ?**

	%
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**4.8 Distribution of waste collected by municipality**

S.No.	Type	Percent
1	Making mannure(fertilizer)	
2	Landfill dumping	
3	Riverside dumping	
4	Open dumping	

5	Incineration	
6	Recycling	
7	Others(specify)	

**4.9 Does the municipality have established Waste to Energy(Electricity, Biogas) technology ?**

1. Yes 2. No → 4.11

**4.10 If yes**

S.No.	Energy sector	Amount of waste used (Tons)	Generatd energy amount
1	Electricity		Watt
2	Bio Gas		cubic meter

**4.11 Does the municipality have treatment plant ?**

1. Yes 2. No

**5. Information of Transfer Station**

**5.1 Does the municipality have transfer station ?**

1. Yes 2. No → 6

**5.2 If yes, mention the area and capacity of transfer station.**

Area (Square metre)	
Capacity (Cubic metre)	

**5.3 Does the municipality have the facility to weigh the waste in transfer station before moving to dumping site ?**

1. yes 2. No → 5.5

**5.4 In your municipality, how much amount of waste is transferred to dumping site from transfer station daily ?**

Tons

**5.5 Are the following activities available in transfer station ?**

1	Compaction	1. Yes 2. No
2	Segregation	1. Yes 2. No
3	Sorting	1. Yes 2. No
4	Others (Specify)	

**5.6 Is there any arrangement to control bad smell in transfer station ?**



12	Leachate drainage system	1. yes	2. No
13	Leachate treatment system	1. yes	2. No

**6.4 Now, is there any planning to construct landfill site in your municipality ?**

1. Yes    2. No

**6.5 If yes, mention the following details of proposed landfill site**

1	Number of landfill site	
2	Place	
3	Area (Hectare)	
4	Distance from the main city (In Kilometre)	
5	Estimated year of completion	
6	Estimated lifespan	

**7. Policy arrangement and miscellaneous**

**7.1 Does the municipality have their own solid waste management plan ?**

1. Yes    2. No → 7.3

**7.2 If yes,**

S.No.	Plan	Yes/No
1	Short (less than one year)	1. Yes          2. No
2	Annual	1. Yes          2. No
3	Periodic (specify)	1. Yes          2. No

**7.3 Does the municipality have the monitoring/evaluation mechanism on solid waste management ?**

1. Yes    2. No → 7.5

**7.4 If yes,**

S.No.	monitoring/evaluation mechanism	Yes/No
1	Regular update on the waste management work done by municipality	1. Yes          2. No
2	Regular inspection of the staff involved in waste management	1. Yes          2. No
3	Performance inspection of private sector	1. Yes          2. No
4	Regular inspection of the vehicles carrying solid waste	1. Yes          2. No

**7.5 Does the municipality conduct regular training and awareness program related to waste management ?**

1. Yes 2. No → 7.7

**7.6 If yes, mention the program of fiscal year 2075/76**

S.No.	Program	Times	Participant/benefeciaries number
1	Training program		
2	Public awareness program		

**7.7 Does the municipalty develop laws related to solid waste management ?**

1. Yes 2. No

**7.8 Does the municipality develop working procedure related to landfill site management ?**

1. Yes 2. No

**7.9 Does the municipality fine/punish those who/which violate the laws related to solid waste management ?**

1. Yes 2. No →7.11

**7.10 If yes, mention the fine/punishment collected in fiscal year 2075/76 of the following sectors**

S.No.	Sector	Number
1	Household	
2	Organization	
3	Trade Establishment	
4	Others(Specify)	

**7.11 Does the municipality expect any support from federal governmet and provincial government ?**

1. Yes 2. No →7.13

**7.12 If yes, mention the type of expectation with proirity**

S.No.	Description	Federal government	Province government
1	Policy development		
2	Hiring technical expert		
3	Need identification/evaluation for waste management		
4	Infrastructure development		
5	Budget		
6	Coordination		

7	Others(Specify)		
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**7.13 Does the municipality have collaborative work with NGOs/INGOs ?**

1. Yes

2. No →8

**7.14 If yes, mention the type of collaboration**

1	Waste collecton and management	
2	Policy development	
3	Technical expert	
4	Need identification/evaluation for waste management	
5	Finacial support	
6	Infrastructure development	
7	Capital investment	
8	others(Specify)	

**8. Challenges/needs in Waste management**

**8.1 Mention the current main challenges on waste management in priority basis**

1	
2	
3	
4	
5	

**8.2 Mention the current needs on waste management in priority basis**

1	
2	
3	
4	
5	

**Thank you**

**Seal of Municipality**

Name of Enumerator:	Name of Supervisor :
Post:	Post :
Signature:	Signature:
Date:	Date: