

**Form – IV**  
[see rules 15(za), 24(2)]

**Format for annual report on solid waste management to be submitted by the local body**

CALENDAR YEAR:	DATE OF SUBMISSION OF REPORT:
<b>2019-2020</b>	<b>24<sup>th</sup> July, 2020</b>

1	Name of the City/Town and State	23 Urban Towns
2	Population	669601
3	Area in sq. kilometers	1043
4	Name & Address of local body	Director UD&PA Department 0389-2333815 dirudpa.mz@gmail.com
	Telephone No.	
	Fax No.	
	E-mail:	
5	Name of officer in-charge dealing with solid waste management (SOLID WASTEM)	
	Phone No:	
	Fax No:	
	E-mail:	
6	Number of households in the city/town	105915
	Number of non-residential premises in the city	NA
	Number of election/ administrative wards in the city/town	174
7	<b>Quantity of Solid waste (solid waste)</b>	
	Estimated Quantity of solid waste generated in the local body area per day in metric tones	348.19/tpd
	Quantity of solid waste collected per day	313/tpd
	Per capita waste collected per day	520/gm/day
	Quantity of solid waste processed	278.40/tpd
	Quantity of solid waste disposed at dumpsite/ landfill	NA
8	<b>Status of Solid Waste Management service</b>	
	Segregation and storage of waste at source	
	Whether SOLID WASTE is stored at source in domestic/commercial/ institutional bins, If yes,	Yes
	Percentage of households practice storage of waste at source in domestic bins	NA
	Percentage of non-residential premises practice storage of waste at source in commercial /institutional bins	NA
	Percentage of households dispose or throw solid waste on the streets	NA
	Percentage of non-residential dispose or throw solid waste on the streets	NA
	Whether solid waste is stored at source in a segregated form, If yes,	Yes
	Percentage of premises segregating the waste at source	NA
	Door to Door Collection of solid waste	
Whether door to door collection (D2D) of solid waste is being	Yes	

done in the city/town	
if yes	
Number of wards covered in D2D collection of waste	174
No. of households covered	NA
No. of non-residential premises including commercial establishments, hotels, restaurants educational institutions/ offices etc. covered	NA
Percentage of residential and non-residential premises covered in door to door collection through:	NA
Motorized vehicle	%
Containerized tricycle/handcart	%
Other device	%
If not, method of primary collection adopted	
Sweeping of streets	
Length of roads, streets, lanes, bye-lanes in the city that need to be cleaned	NA

Frequency of street sweepings and percentage of population covered	Frequency	Daily	Alternate days	Twice a week	Occasionally
	% of population covered				√
Tools used					
Manual sweeping	√				
Mechanical sweeping	NA				
Whether long handle broom used by sanitation workers	Yes				
Whether each sanitation worker is given handcart/tricycle for collection of waste	Yes				
Whether handcart / tricycle is containerized	Yes				
Whether the collection tool synchronizes with collection/ waste storage containers utilized	Yes				
Secondary Waste Storage facilities					
No. and type of waste storage depots in the city/town	No.	Capacity in m <sup>3</sup>			
Open waste storage sites		Nil			
Masonry bins		Nil			
Cement concrete cylinder bins		Nil			
Dhalao/covered rooms/space		Nil			
Covered metal/plastic containers		Nil			
Upto 1.1 m3 bins		Nil			
2 to 5 m3 bins		Nil			
Above 5m3 containers		Nil			
Bin-less city		Yes			

Bin/ population ratio			
Ward wise details of waste storage depots (attach):			
Ward No:			
Area:			
Population:			
No. of bins placed			
Total volume of bins placed			
Total storage capacity of waste storage facilities in cubic meters			
Total waste actually stored at the waste storage depots daily			
Give frequency of collection of waste from the depots Number of bins cleared	Frequency	No. of bins	
	Daily		
	Alternate day		
	Twice a week		
	Once a week		
Whether storage depots have facility for storage of segregated waste in green, blue and black bins	Yes/ No		
	(if yes, add details)		
	No. of green bins:		
	No. of blue bins:		
Whether lifting of solid waste from storage depots is manual or mechanical. Give percentage			
	(%) of Manual Lifting of solid waste	100 %	
(%) of Mechanical lifting	NA		
If mechanical – specify the method used	front-end loaders/ Top loaders		
Whether solid waste is lifted from door to door and transported to treatment plant directly in a segregated form	Yes/ No (if yes, specify)		
Waste transportation per day	No.	Trips made	waste
Type and Number of vehicles used	transported		
Animal cart			
Tractors			
Non tipping Truck			
Tipping Truck			
Dumper Placers			
Refuse collectors			
Compactors			
Others			
JCB/loader			
Frequency of transportation of waste	Frequency	(% of waste transported)	
	Daily		
	Alternate day	√	
	Twice a week		
	Once a week		
Quantity of waste transported each day	Occasionally		
	313/tpd		

Percentage of total waste transported daily	90 %
Waste Treatment Technologies used	Composting and Segregation
Whether solid waste is processed	Yes (vermicomposting & mechanical Composting)
If yes, Quantity of waste processed daily	72/tpd
Whether treatment is done by local body or through an agency	Local Body
Land(s) available with the local body for waste processing (in Hectares)	Yes
Land currently utilized for waste processing	NA
Solid waste processing facilities in operation	1 no. functional in Aizawl
Solid waste processing facilities under construction	2 nos. under Construction in Kolasib & Lunglei 20 nos. (Vermi-Compost Centre & Waste Resource Management Centre) under Construction in 20 Urban Towns
Distance of processing facilities from city/town boundary	NA
Details of technologies adopted	
Composting,	Qty. raw material processed – 50 tpd
	Qty. final product produced - NA
	Qty. sold
	Quantity of residual waste landfilled
Vermi-composting	Qty. raw material processed – 22 tpd
	Qty. final product produced - NA
	Qty. sold
	Quantity of residual waste landfilled
Bio-methanation	Qty. raw material processed- NA
	Qty. final product produced
	Qty. sold
	Quantity of residual waste landfilled
Refuse Derived Fuel	Qty. raw material processed- NA
	Qty. final product produced
	Qty. sold
	Quantity of residual waste landfilled
Waste to Energy technology such as incineration, gasification, pyrolysis or any other technology (give detail)	Qty. raw material processed- NA
	Qty. final product produced
	Qty. sold
	Quantity of residual waste landfilled
Co-processing	Qty. raw material processed
Combustible waste supplied to cement plant	NA
Combustible waste supplied to solid waste-based power plants	NA
Others	Qty.
Solid waste disposal facilities	
No. of dumpsites sites available with the local body	23
No. of sanitary landfill sites available with the local body	1

	Area of each such sites available for waste disposal	
	Area of land currently used for waste disposal	
	Distance of dumpsite/landfill facility from city/town	NA
	Distance from the nearest habitation	NA
	Distance from water body	NA
	Distance from state/national highway	NA
	Distance from Airport	NA
	Distance from important religious places or historical monument	NA
	Whether it falls in flood prone area	No
	Whether it falls in earthquake fault line area	Yes
	Quantity of waste landfilled each day	NA
	Whether landfill site is fenced	NA
	Whether Lighting facility is available on site	NA
	Whether Weigh bridge facility available	NA
	Vehicles and equipment's used at landfill (specify)	Bulldozer, Compacters etc. available
	Manpower deployed at landfill site	NA
	Whether covering is done on daily basis	NA
	If not, Frequency of covering the waste deposited at the landfill	
	Cover material used	
	Whether adequate covering material is available	NA
	Provisions for gas venting provided	NA
	Provision for leachate collection	NA
9	Whether an Action Plan has been prepared for improving solid waste management practices in the city	NA
10	What separate provisions are made for:	Attach details on Proposals, Steps taken,
	Dairy related activities:	NA
	Slaughter houses waste:	NA
	C&D waste (construction debris):	NA
11	Details of Post Closure Plan	Attach Plan
12	How many slums are identified and whether these are provided with Solid Waste Management facilities:	Nil
13	Give details of: Local body's own manpower deployed for collection including street sweeping, secondary storage, transportation, processing and disposal of waste	
14	Give details of:	

	Contractor/ concessionaire's manpower deployed for collection including street sweeping, secondary waste	
15	Mention briefly, the difficulties being experienced by the local body in complying with provisions of these rules	
16	Mention briefly, if any innovative idea is implemented to tackle a problem related to solid waste, which could be replicated by other local bodies	