

STAKEHOLDERS' ISSUE OF CONCERN BAHIR DAR CITY - ISWM PLAN





Forum for Environment

**in
collaboration with**

**Bahir Dar
City Administration**



Dream Light Plc



Bahir Dar University



**Bahir Dar
Forum for Environment**

**ANRS Region Bureau of
Environmental Protection, Land
Administration and Use**

MSW (Segregation at Source)

	Waste Generators	Service Providers	Actors in Recycling & Resource Generation	Regulator/government	Community
Financial	<ol style="list-style-type: none"> 1. The community should be categorized into two: those who can and can't afford to buy the waste collection bags/bins. Then those who can't afford should be supported by city administration and possible NGOs; but those who can afford should cover the cost of bags/bins. 2. We have to benefit from the primary sale of the recyclable materials 3. The service fee should be reduced for those who give segregated waste 4. Organizations/institution should cover the cost of bags/bins and should put in their compound where it is necessary. 5. Government (BoH, BoEPLAU, City administration), NGOs and other stakeholders cover the cost of awareness raisings and training 6. Awareness raising programs should be coordinated by city administration. 7. Project proposals should be designed and provided for possible donor for financial support on awareness raising and delivering bags for those who can't cover the 	<ol style="list-style-type: none"> 1. City administration, BoEPLAU, BoH and NGOs should take part in building the capacity of service providers through training so that service providers assist in segregations 2. The service providers (those who have been involved in the process) should be benefited from the second level sale of recyclables 3. The government should facilitate necessary facilities to the service providers to make them start recycling by them selves 	<ol style="list-style-type: none"> 1. If the service providers are benefiting from the sales of the recyclables what will be the future of informal collectors (scavengers)? Will the government create any job for them? 	<ol style="list-style-type: none"> 1. Should Cover the extra cost of health extension workers in order to make them actively work the door to door awareness creation 2. Should Cover the cost of awareness for the community and the public through BoH, BoEPLAU, City administration and NGOs 3. Coordinate the participation of stakeholders in financing the source segregation materials as well awareness creating trainings 	

	<p>cost of bags</p> <p>8. Government should facilitate any support including training to the scavengers through micro and small, to make them able to be small recycler groups</p>				
Social	<p>1. The producers including the community should be involved in waste segregation.</p> <p>2. segregation should be done at the sources by the producer</p> <p>3. Awareness on waste segregation should be made for the community by NGOS, associations and the city administration</p> <p>4.</p>	<p>1. The community be aware to reduce cultural influence on waste segregation</p>	<p>1. Awareness raising on segregation by government and private sectors</p>	<p>1. Aware the community on segregation, reusing, reduce, disposal can be done by privatrts, kebeles, and municipality.</p> <p>2. Coordinate and BoH, Municipality, and other stakeholders to improve the attitude of the community</p> <p>3. Introduce to the people and implement conventions issued on pollution preventions</p>	
Technical	<p>1. Three solid plastic containers (for organic, inorganic and hazardous wastes) with different colors are proposed for segregation purposes in health institutes, in organizations and residents. But sack/bags can also be used in residence depending on their income level.</p> <p>2. As an alternative basket designed for waste collection can be used by the community in order to reduce the cost and possible environmental impacts from plastic bags</p> <p>3. Experience sharing for technician in and outside the country on waste management should be done</p>	<p>1. Service providers should be trained on segregation</p> <p>2. There should be appropriate waste transfer stations in the city to do further segregation at a second level</p>		<p>1. Apply technologies used for waste segregation</p> <p>2.</p>	
Environmental	<p>1. Door to door inspection should be made once in a week on the management of the waste. or</p> <p>2. Monitoring and evaluation should</p>	<p>1. To minimize the possible impacts from odor and aesthetics the bins/collection bags should be closed and placed in a dry place</p>	<p>1. Proper site should be selected for segregation</p>	<p>1. Introduce legal instruments to the people</p> <p>2. Assess the availability of legal documents on waste management</p>	

	be done by the city service and health responsables			and fill the gaps 3. Make the city clean and green	
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MSW (Collection)

	Waste Generators	Service Providers	Actors in Recycling & Resource Generation	Regulator/government	Community
Financial	<ol style="list-style-type: none"> 1. The collection fee for the service providers is similar to all residences. This should be based on the type of family; for multi-family houses there should be an increase in service fee. 2. Some people who are living in the slum areas of the city should get some financial support from the government at least to reduce their service fee by half 	<ol style="list-style-type: none"> 1. The generators should pay enough and reasonable amount to service providers on waste collection 3. The government should support the service providers by providing some working materials like (glove, clothes, push carts etc...) 4. One company, which provides collection and transportation service, mentioned that due to high oil prices, high maintenance cost and high running cost of the service they wanted to raise the collection price, but it is difficult to raise the price, especially for low income residential areas; thus, they need some financial support from government until the community awareness raises 5. The company also requested the government to ask more solid waste generators to transport their waste through this company to achieve economies of scale and to run the transportation system at appropriate price for the customers 		<ol style="list-style-type: none"> 1. Cover the cost of trainings provided to service providers 2. Create favourable condition to increase the number of service takers who are willing to pay for waste management (from 50% to 100%). 3. The payment for waste management should be linked with water supply bill and collected by the government it self. 	<ol style="list-style-type: none"> 1. The cost of bins for segregation can be covered by the community using cheap materials

Social	<p>1. The community should be trained about proper waste collection and importance of good waste management in order to increase the participation of the community in solid waste management.</p>	<p>1. The government should practice an enforcement and polluter-pay-policy in order to reduce the amount of waste thrown on streets ,to the drainages and public areas</p>			
Technical	<p>1. The representative of a community mentioned that, if there are classified collection bins in the district, the citizens are not throwing their solid waste into the right trash bins; hence the government can improve the collection system by marking the bins in different colors and persuading the citizens to classify their solid waste and throw them into the right bins and this needs awareness creation to the community which should be done by the government and service providers</p> <p>2. The service time should be fixed. At least 2 times per week for the residential areas</p>	<p>1. To reduce the risk of pollution due to the poor quality of the road to the disposal site</p> <p>2. Protective measures should be used (mask, glove, etc.). Pregnant women and children will not be involved in waste collection</p> <p>3. In order to increase the collection frequency and fix the collection time it needs additional number of trucks or big capacity trucks in place of the currently using. Besides it needs the generators to pay double the service fee. If not hard to run the service properly at the required level</p>		<p>1. Create favourable condition for private sectors</p> <p>2. Outsource to private sectors the ISWM</p> <p>3. Apply monitoring and evaluation by the government and service providers</p>	<p>1. Reduce waste from source through awareness campaign</p> <p>2. The community can segregate waste through awareness raising and using cheap materials</p>
Environmental	<p>1. City administration should supervise the safe collection of waste based on monthly monitoring programs.</p>	<p>2. The government should apply the environmental protection rules and regulations</p>			

MSW (Transportation)

	Waste Generators	Service Providers	Actors in Recycling & Resource Generation	Regulator/Government	Community
Financial		<ol style="list-style-type: none"> 1.. 2. The government should support the privet sectors through facilitating credits and duty free importing for transportation facilities 		<ol style="list-style-type: none"> 1. Support private sectors (through tax free, subsidiary etc.) to import appropriate machineries and trucks 2. Municipal and NGOs should subsidize private sectors by financial cases since the business is new to the community and time taking to run by them selves 	
Social		<ol style="list-style-type: none"> 1. To minimize the odour and aesthetic problems in collection sites, close garbage collectors, should be used for primary collection 2. The time of transportation (possibly at night) or in less busy hours of the day should be arranged to reduce the traffic jam and reduce the odour problem 			

Technical		<ol style="list-style-type: none"> 1. Closed and appropriate waste transport truck should be used 2. Standardized trucks should be used 3. Maintenance facilities should be given to the Trucks 4. Road facilities should be improved (from gravel to asphalt road) by the city administration/government 		<ol style="list-style-type: none"> 1. Support modern transporting vehicles, 	
Environmental	<ol style="list-style-type: none"> 1. Trucks should be closed type 				

MSW (Treatment)

	Waste Generators	Service Providers	Actors in Recycling & Resource Generation	Regulator/government	Community
Financial				1. Financially support trainings for technicians on waste treatment	
Social					
Technical	1. The government should support the private sector to build biogas plants and compost pits	1. There should be treatment plants in the city for biogas and compost production as well to disinfect the hazardous wastes		1. Establish system to prepare compost 2. Use biogas technology	
Environmental					

MSW (Disposal)

	Waste Generators	Service Providers	Actors in Recycling & Resource Generation	Regulator/government	Community
Financial	1. the government should finance and build the sanitary land fill	<ol style="list-style-type: none"> 1. The standardized landfill should be constructed by the government 2. The cost of landfill construction should be incorporated in the users' charge in a long term based 		<ol style="list-style-type: none"> 1. Support trainings on waste disposals for technicians 2. Compost should be promoted 	
Social					<p>The communities in disposal areas are significantly affected by the waste. So</p> <ul style="list-style-type: none"> ➤ the site should be fenced ➤ monitoring should be carried out ➤ avoid/minimize direct release of waste from factories to rivers or they should dispose safely
Technical	<ol style="list-style-type: none"> 1.the sanitary land fill should be modern and equipped with different machineries 2. the current disposal area should be fenced and protected from the entrance 	<ol style="list-style-type: none"> 1.Technicians should be trained maintenance and operation of landfill by the government and NGOs 2. the building of the sanitary land fill shouldn't 		<ol style="list-style-type: none"> 1. as the government we should take the responsibility and make fast the building of the sanitary land fill. Since it is too much costly the 	

	of animals and scavengers of recyclable materials	be time taking, it should be build as soon as possible		finance should be covered by the government and supporting international finance institutions	
Environmental	1. the current disposal if seriously affecting the community living near the disposal area and also reducing the good looking of the road side to the tiss abbay fall				<ol style="list-style-type: none"> 1. the environment is totally in a big mess, 2. it is near to the main road to tiss abbay fall so it is reducing

MSW (Recycling and Resource generation)

Issues	Waste Generators	Service Providers	Actors in Recycling & Resource Generation	Regulator/government	Community
Financial		<ol style="list-style-type: none"> 1. Service providers should cover the cost but the government should subsidize and facilitate credit systems to establish recyclable plants. 2. The economic benefit from the recycling should be service providers 			<ol style="list-style-type: none"> 1. Improve the payment for private sectors involved in waste disposal through awareness raising programs
Social		<ol style="list-style-type: none"> 1. The community should also be aware on the use of recyclable/recovered products 	<ol style="list-style-type: none"> 1. Attitude of the community should be changed on the use of recycled products and reused wastes by GOs and private sectors 2. Facilitate market accessibilities 		<ol style="list-style-type: none"> 1. The community can prepare compost and be benefited from the compost 2. The community can also recycle wastes 3. Increase the number of people included in integrated solid waste management 4. Those who don't pay should be penalized 5. The payment should be based on the amount of waste generated

Technical		<ol style="list-style-type: none"> 1. The identification of technology and skilled personnel and installation of the technology should be supported by GOs and international organizations like UNEP. 2. Training of service providers on the maintenance and operation of the technology should be supported by the GOs and NGOs 	<ol style="list-style-type: none"> 1. Standardized technology should be introduced for recycling of different wastes 2. Producing skilled man power on recycling and reusing wastes 3. Working with educational institutional 		
Environmental		<ol style="list-style-type: none"> 1. Closed transportation system should be used to reduce odour during transportation 	<ol style="list-style-type: none"> 1. Site selection in production and recovery 		