

# Action Plan of Faisalabad City

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### 1. Problem

Inadequate collection of solid waste and unsatisfactory disposal at landfill site posing environmental degradation and health hazards

Brief description of the problem:

- (1) Population of Faisalabad City is about 2.3 million.
- (2) Daily generation of garbage is about 1,150 tons and lifting capacity of department is about 900 tons per day. This is because of inadequate number of waste lifting vehicles available to the department. Most of the vehicles are of old model and out dated.
- (3) There are no formal ways to reduce the size of waste through reuse or recycling.
- (4) No facility to weigh the waste.
- (5) Primary collection of waste from household and through sweeping of roads is unsatisfactory and inadequate, as number of sanitary workers is less than required.
- (6) The hazardous waste from hospitals and industry is being dumped along with the municipal waste.
- (7) Open dumping is being carried out at landfill site.

### 2. Action Plan

Following measures will be taken:

#### I. Improvement in primary collection

At present, 3,115 sanitary workers collect the household waste and waste from the roads and streets. Keeping in view the government yardstock i.e. one sanitary worker for 500 population. 4600 sanitary workers are required for the primary collection of the waste. So about 1,485 sanitary workers are required more. But number of sanitary workers will not be increased in the following years. Instead of increasing the number of sanitary workers mechanical road sweepers will be purchased. Two road sweepers will be purchased every year. This action will be taken because of mechanical road sweepers operation cost will be less than the pay and other benefits of the required sanitary workers.

II. Door to door Waste Collection System will be introduced in the high and middle class areas against cost covering fees in the first year of action plan. This facility will be extended to slum areas in the second year of action plan.

III. People will be educated regarding cleanliness, collection, and segregation of waste at household level through corner meetings and through radio and television via local cable network.

IV. Pilot projects will be set up for segregation at source. These pilot projects will be introduced in the schools, colleges, universities and government institutions and papers, cupboards, plastic glass and tin will be collected separately from the other waste.

V. From primary school to university level the students will be involved and taught about the importance of segregation at source and recycling. These students will be used to educate the community.

VI. NGOs and private companies will be sought to establish community based segregation at source, separate collection and waste recovery projects in different areas on BOT basis (build operate and transferred). These NGOs or private companies may collect some tax from the community for this service.

VII. Waste composting plants will be introduced at household level or street or union council level.

VIII. Solid waste management technical system will be improved by purchasing new machinery in the first year of action plan.

(1) Dumpers (5ton capacity)	10
(2) Tractor with front end blade	4
(3) Bulldozer for landfill site	1
(4) Excavator for landfill site	1
(5) Front end loader for landfill site	1

This machinery will improve the waste lifting capacity by 150 tons per day and most of the daily generated waste that remains unlifted will be removed from the city on daily basis.

VIII. Regular system of weighing the waste by installation of weighing bridge at landfill site will be established in the first year of action plan.

X. Workshop of the department for the repair of vehicles will be improved. At present only minor repair and tyre mending facilities are available. Facility for major repair will be provided.

### **Improvement of hazardous management**

Two government hospitals in Faisalabad have the facility for safe disposal of their waste through incineration, while other private hospitals and clinics don't have this facility and their waste can be observed at Municipal disposal site (filth depots).

Government of Pakistan also has established hospital waste management guidelines and rules 2005.

In line with these guidelines all hazardous clinical waste will be segregated at source from the non-hazardous hospital waste by hospital administration and will be lifted and transported by the City District Government Faisalabad to the two government hospitals where enough facilities are available to incinerate this waste. Incineration charges will have to be paid by the private hospital. In the forthcoming fiscal year a fully covered free of sharp edges having back door locks vehicle will be purchased by the City District Government to carry this waste.

Protecting clothing and training will be provided to the workers and drivers involved in carrying this waste.

### **Industrial Waste**

Main industry in the city is textile industry where white cloth is being manufactured and dying and processing is carried out. This industry is the main source of water, air and land pollution. This will be shifted out of municipal limits at the beginning of the second year of action plan.

AUICK First 2006 Workshop

From 1 July 2006 to 30th June 2007			From 1 July 2007 to 30th June 2008			From 1 July 2008 to 30th June 2009		
First quarter	Second quarter	Third quarter	First quarter	Second quarter	Third quarter	First quarter	Second quarter	Third quarter
Meetings with the EDO (MS), DCO, and District Nazim. Approval from District Assembly and provincial government.	1 Purchase of machinery 2 Education of school children and other students from college and universities for promotion of segregation at household level. 3 Weighing bridge will be installed. 4 Hospital waste carrying truck will be purchased.	Machinery will start working segregation at household level and door to door collection in high and middle class areas.	Purchase of 2 mechanical road sweepers. Dying and processing industry will be shifted outside the municipal limits.	Door to door collection and segregation from slum areas.		2 mechanical road sweepers will be purchased.		
PCI will be made and got approved by the provincial and central government.			Establishment of landfill site			Establishment of landfill site		
Establishment of workshop								