



Waste management in guilan province

Department of Environmental Protection - Gilan branch

Some statistics about guilan province:

2/404/861 People

Village count	District count	County count	Relative to the population of the country	Percentage of population		population		Relative to the country's total area	Area (hectar)
				rural	urban	rural	urban		
2935	43	16	3.2%	46.1%	53.9%	1109110	1295751	0.85%	1404400

amount of waste production in province

(considering 26 illegal landfills):

Summary (percent)	Sanitary landfill	incinerator	Compost Ton/day	Amount of waste Ton/year	
27%	-	- 600 ton/day Ready for installation	Rasht 350	400000	urban
			Anzali 100		
			Rudsar 100	220000	rural
				9500	industrial
				4380	medical
				1850000	agricultural
				700	electronic
				2500	hazardous



Medical waste:
4380 ton/year .

Management : Disinfection by autoclave and
Hydroclave





Agricultural waste;
1850000 ton/year
Most of them is Rice straw.

80% animal feed.
20% burning.



Hazardous wastes:

2500 ton/year

Most of them are industrial wastes.

Management : till 80% Managed by disposal sites. (incinerator & Recycle)



Summary of some proceeding :

- provide waste management action plan .
- segregation In all cities of the province (average 50% Covered by the service).
- Beginning of the 600 ton waste incinerator project.
- Initial project of disposal center for Hazardous waste .
- Provide waste management training with a different audience.



The most important problem!:

Failure to provide funding and allocate the necessary funds to meet the needs of the waste sector.



Guilan province villages :

2925 village

1109110 residence.




Description of rural waste in guilan:

- the average of 600g waste for each person is issued in province of guilan every day.
- the process of collecting is on action in 40% of guilan's villages.
- donated cars to the villages , employing by association of village manager.
- a common waste management pilot has been performed in the province by association of jica .



Proposal:

-considering the population density and the existence of 650 village which have over 500 residents and also climate conditions , installation of incinerator facilities can be a logic approach for rural wastes.



- By creating 5-ton waste sites (per day), about 100 of them are needed in the Gilan province.

By the way, considering the climate condition, low population density, Lack of facilities, The lack of infrastructure facilities in some of them, actually 60-50 devices, can be installed and operated.

Some barriers:

- The lack of aesthetic facilities in some villages Like: gas, convenient way & etc.
- Problems of assigning this facility to rural management, which is usually not stable
- The need for skilled people to set up and maintain these equipment.
- Settlement problems near sensitive environmental areas, including residential areas.



Thank you

