RECOMMENDATIONS

The Kakinada municipal corporation has to take the following actions for better solid waste management.

- Segregation of waste at source has not been observed except in 8 divisions in Kakinada city. The municipal corporation of Kakinada has to take actions to implement segregation of waste in the remaining 42 divisions.
- 100% door to door collection should be implemented.
- Replacement of existing handcarts for collection of waste by containerized handcarts and to increase the number of collection system vehicles.
- Increase the facility of trash bins by providing an adequate number on most of the footpaths.
- Composting and vermicomposting plant should be provided.
- Promote two bin system (one for bio-degradable and another for non bio-degradable).
- Awareness campaign should be conducted to make the public aware of the source segregation and health impacts caused by the open dumping.
- Training and Education: Environmental education is a way of increasing understanding of problems, cooperation among stakeholders, environmental entrepreneurship and environmental performance. The training should be a regular feature of MSWM. Demonstrations should be given to sorting and collection. After training there should be follow up on the practices. The staff should be made to understand the importance and the implication of their activity.
- Regular health and safety programs should be carried out to educate the staff on the health effects of manual handling of waste, walking barefoot in dump yards and
Continuous exposure to waste. Regular health checkups should be carried out to monitor the health of the workers.

- The monitoring of the activities during collection, transfer, process and disposal needs to become an integral part of the waste management system until all the activities follow the required standard. The municipal authority not only has to monitor their own staff activities but also the activities carried out by the private organizations carrying out their services. The State pollution control board has to carry out regular inspections of the dump yards and stop open dumping as it causes serious air and water pollution problems.

Individual level is one of the important factors that need to be considered for the overall improvement of the waste management systems in Kakinada city. While the first involves the initiatives starting at home, the later involves proper planning and practices at the Municipal level. This should be followed by self-discipline of not throwing any kind of waste whether industrial, building or household without proper disposal. In respect of municipal garbage, the citizen needs to be more aware of the local and the global seriousness of the problem. Following the simple but practical tips can help further.

- The 4 R’s principles i.e. Reduce, Reuse, Recycle & Recover are the basic components of any waste hierarchy that has to be understood and implemented by each and every citizen of our country to achieve a Sustainable Integrated Waste Management.

- Generate less waste.
- Segregate different types of solid waste at home.
- Do not patronize redundant and luxurious packing.
- Reject non-biodegradable packing.
- Store solid wastes in lumps and avoid scattering, since a collection of scattered garbage is a difficult task.
- Avoid numerous small packing.
- Use own marketing bags and avoid purchases in plastic bags supplied by the vendor.
- Polyethylene takes around 200 to 600 years to disintegrate. So try to avoid them.
- Do not use disposable and use- and- throw products, except medical products.