### ANNXURES-I

#### Table: 1. Summary of acts and rules on MSW in India

<table>
<thead>
<tr>
<th>Act and Rules</th>
<th>Brief description</th>
<th>Issuer</th>
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<tbody>
<tr>
<td>Municipal Solid Waste (Management and Handling) Rules, 2000</td>
<td>Set criteria and procedure for municipal authorities for collection, segregation, storage, transportation processing and disposal of MSW. The criteria and procedure for management and handling of MSW are specified in schedule II, specifications for landfill sites in schedule III and setting up of waste processing facilities with the adoption of appropriate technology in schedule IV.</td>
<td>MoEF(^a), Government of India</td>
</tr>
<tr>
<td>The Delhi plastic bag (Manufacture, Sales and Usage) and Non-Biodegradable Garbage (Control) Act, 2000</td>
<td>Prevents manufacturing sale, etc. of recycled plastic bags for food packaging and also prohibits throwing or depositing non-biodegradable garbage in public drains, roads and places open to public view. Act also defines that the placement of receptacles and places for deposit of garbage is the responsibility of MCD, NDMC or CDB.</td>
<td>Legislative Assembly of the National Capital Territory of Delhi</td>
</tr>
<tr>
<td>Hazardous Wastes (Management and Handling) Rules, 1989 and Amendment Rules, 2000 and 2003</td>
<td>Specify the processes, hazardous wastes, constituents, concentration limits and waste applicable for important and export. The occupier should take responsibility for proper management and handling of waste either himself or through the operator of a facility. The different categories of hazardous waste are specified in schedule I.</td>
<td>MoEF, Government of India</td>
</tr>
<tr>
<td>The Bio-Medical Waste (Management and Handling) Rules, 1998 and Amendment Rules, 2003</td>
<td>Recommended treatment and disposal options according to the 10 different categories of biomedical waste generated are defined in schedule I of the rules. Standards for the treatment technologies are given in schedule V.</td>
<td>MoEF, Government of India</td>
</tr>
<tr>
<td>Delhi Municipal Corporation Act, 1957</td>
<td>Early legislation, deals with the environment pollution caused by MSW. The provisions related to MSW are defined under chapter 3 “Functions of the Corporations” and chapter 7 ‘Sanitation and Public Health’.</td>
<td>Act of Parliament, Government of India</td>
</tr>
</tbody>
</table>

Source: MoEF- Ministry of Environment and Forest.
Various Print Media published about the present dreadful conditions of Municipal Solid Waste and its impacts in Tirunelveli city

Dinakaran dated: 22.10.2010 Page No: 16

Corporation for Collector’s help

To deal with plastic waste being generated in Tirunelveli urban civic body

Staff Report

TIRUNELVELI: The Corporation, with the cooperation of the Collector, has taken an important initiative to deal with the non-degradable and non-recyclable plastic waste being generated in the urban civic body and imposing a ban on the use of single-use plastics, including disposable plastic plates, forks, and spoons.

Since the Corporation has to bear the cost of disposing of non-degradable and non-recyclable plastic waste, it signed an agreement with a private firm to purchase the waste from the civic body on a pre-agreed rate. The Corporation has also planned to convert the waste into fuel.

Two of the Corporation’s directors told The Hindu that the corporation’s efforts are aimed at reducing waste disposal costs and promoting a sustainable approach to waste management.

Corporation’s move

The Corporation has also started a campaign to educate the public about the dangers of plastic waste and the importance of recycling.

Solution in sight

The Corporation has also started a campaign to educate the public about the dangers of plastic waste and the importance of recycling. They have also planned to convert the waste into fuel.

The Hindu dated: 15/11/2011 Page. No. 6

Assurance on impartial allocation of funds

For all wards of Tirunelveli Corporation, says Mayor

Staff Report

TIRUNELVELI: Mayor Vijay Salajhansaid that the Corporation would ensure impartial allocation of funds for all wards.

The Corporation has also planned to convert the waste into fuel.

The Hindu dated: 15/11/2011 Page. No. 6
Mosquito menace goes uncontrolled in Tirunelveli

Corporation yet to begin its mosquito-control measures

P. Subburaj

TRUNELVELI: The complete failure of mosquito-control operations within the corporation limits for the past few weeks even after repeated warnings from the corporation officials has resulted in the sprouting of vector-borne diseases in several parts of the area.

The corporation, which has received a go-ahead from the government to begin extensive mosquito-control operations in all 35 wards of the urban local body prior to the onset of northeast monsoon every year and the activity would continue till the end of February. Consequently, the mosquito load will be under control to some extent.

However, this practice cannot be seen as the main reason for the mosquito menace. The residents have started reaching the offices for the past couple of weeks.

Following instructions from some officials and newly elected councillors, the mosquito-control staff is slowly making its way among the residents who still do not understand the importance of mosquito control. They do not understand that the residents living in the areas surrounding Mayor’s Bungalow suffer a lot due to mosquito menace.

HOME GROUND: With the mosquito-control operations being taken up almost all drainage and irrigation canals have become breeding grounds for mosquitoes in Tirunelveli. This photograph shows the Poikkayam channel at Meppalpuram.

PHOTO: A. S. SHANKER

When complaints on outbreak of vector-borne diseases in several parts of the corporation started pouring in from the public and the councillors, the urban body procured new equipment for fogging operations and spraying of anti-vector agents in the drainage channels and in the water bodies providing potential breeding grounds for mosquitoes to proliferate the situation to some extent. It is least that most of these agencies are using the lack of public participation are no barrier for the same.

"Though the corporation was put on the spot by the public, it is least that most of these agencies are using the lack of public participation are no barrier for the same."

Edited and Published by P. Jeyapandy for Malar Publications Ltd., 33, Madurai Road, Tirunelveli 627001 and Printed by J. R. Vijayaraj at Thanthi Press, 27, Madurai Road, Tirunelveli 627001.

Maalai Murasu dated: 04/01/2012 Page. No. 4
Eight Succumb to Dengue in Nellai

Parents of children who have been infected blame it on unhygienic drinking water and bad sanitation

Tirunelveli: In spite of the assurance given by Tamil Nadu AIDS Control Society (TANACS) project director Ar. Mohanadevi that dengue fever outbreak in Tirunelveli town had been brought under control, many children with symptoms of dengue have been admitted to the Tirunelveli Medical College Hospital (TMCH), while health officials said that eight persons had died due to the outbreak in the district.

Many children from Tirunelveli Kallakuloor, Elumalai, Gobichettipalayam and other areas have been admitted in the special ward at the TMCH after being infected with dengue. A seven-year-old child from Elumalai died of shock on Thursday while a 10-year-old girl from Balasokam died on Wednesday. Most of the kids affected are below the age of 10 years. The dengue outbreak, which started in Kallakuloor, has now spread to other parts of the town.

A government’s recent announcement of vacating houses near Kallakuloor has led to the children getting admitted to TMCH. Taking leave from duty, he is taking care of the children, who are infected with dengue.

A mother of a child admitted his two children, three-week-old twins, to the hospital. He said the children have been under the weight of dengue. The child was admitted to the hospital on Thursday. A family member, who was in the hospital, said the twins were admitted to the hospital on Thursday.

A girl from Elumalai, who said that the children who had been admitted to the hospital were suffering from dengue. She said that the children were treated with dengue and other medicines and were kept under observation.

SEVEN OVERNIGHTS

Seven of those who have been admitted to the hospital have been cured of dengue. It was informed that the children were being cured of dengue and were being cured of dengue.

MEASURES ON TO CONTROL DISEASE: MINISTER

Chennai: Health Minister V. Subramanian on Tuesday said that the State government has taken all possible measures to control the dengue outbreak in Tirunelveli district where 10 persons have died due to the disease.

Referring to the quantum of measures taken by the Tamil Nadu government, the Minister said that the government has taken all possible measures to control the dengue outbreak.

Due to steps taken on a large scale, the disease has been brought under control, he said, adding that the Tamil Nadu government had made arrangements for the treatment of 10 persons who died due to dengue.

Eight persons have also been admitted to the hospital.

Health officials have been deployed to the area to take necessary measures. The residents were asked to avoid drinking water.

The New Indian Express dated: 09/05/2012 Page No.3
1. Sanitation workers enrolling attendance

2. Worker performing street sweeping
3. Female Workers performing cleaning Drainage & Roads

4. Manual loading of waste into Mini Lorry
5. Waste dumped into dumper placer vehicle

6. Garbage Containers carried by Hydraulic vehicle
7. Plastic waste Segregation by manually

8. Rag picker collecting plastic bottles
9. Dumping of Waste into Water resources

10. Labours performing Door to Door solid waste collection
11. Dumping Waste into the Road side

12. Dumping of building debris into the water channel
13. Inadequate garbage bins cause to open dumping

14. Hazardous waste dumped into nearby Roadside (Glass waste)
15. Before dumping MSW performing weigh bridge at Ramayanpatti yard

16. Researcher collecting MSW data from Corporation officials
17. Researcher interview with sample respondents