APPENDIX

WASTE MANAGEMENT PRACTICES IN SMALL SCALE FOOD PROCESSING INDUSTRY IN SELECT DISTRICTS OF TAMIL NADU

INTERVIEW SCHEDULE

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1. Socio-Economic Profile of the Entrepreneurs

   i) Address of the Unit
   ii) Type of Unit
   iii) Year of Establishment
   iv) Location of the unit : Urban / Rural
   v) Ownership of the unit : Sole Proprietor / Partnership
   vi) Sex of the entrepreneur : Male / Female
   vii) Age of the entrepreneur
   viii) Type of family of the entrepreneur : Nuclear / Joint
   ix) Religion of the entrepreneur : Hindu / Muslim / Christian
   x) Community of the entrepreneur : FC / BC / MBC / SC
   xi) Educational Qualification of the entrepreneur : Matric / H.S / Graduation /
        Technical Edu.
   xii) Marital status of the entrepreneur: Married / Unmarried / Widower & Divorced
   xiii) Monthly Income of the enterprise

2. Production Aspects and Generation of Waste by the Selected Small Scale Unit

   i) Source of raw materials : Private/SSPs/Others (specify)
   ii) State the distance from where the raw materials are procured :
   iii) Nature of raw materials loss during transportation: Damage/Weight
        Loss / Spillages / No loss.
   iv) Do you find scarcity of raw materials? Yes / No.
v) If ‘yes’, how do you meet out the scarcity:

vi) Do you produce the goods throughout the year: Yes / No

vii) Water consumption of the unit (in liters per year):

viii) Percentage conversion of raw materials into finished products:

ix) Is the unit using chemicals? Yes/No

x) What is the time required to convert the raw materials into finished product?

xi) Quantity of solid waste generated by the unit per annum:

xii) Quantity of liquid waste generated by the unit per annum:

xiii) Type of pollution due to the operation of the unit: Land / Water / Air / Noise.

3. Waste Management Strategies and Linkages of Wastages Adopted by the
   Selected Small-Scale Food Processing Unit.

i) Does the Unit use any Pollution Prevention Technique? Yes / No.

ii) In-Plant Control or House Keeping Measures Adopted by the Unit:
    a) Use of “Non — Sticky” Vessels for Minimising Product Loss.
    b) Effective Layout of Processing Equipments.
    c) Both

iii) Does the Unit use Reduction of Waste Water Discharge Measures? Yes/No.

iv) Is the Unit using Pollution Load Reduction Measures? Yes / No.

v) By-Product Recovery Measures Adopted by the Unit:
   a) Animal Feed; b) Manure; c) Methane Gas generation; d) Other Measures.

vi) Type of Waste Treatment Technique used by the Unit:
   a) Using Primary Treatment only;
   b) Using both Primary and Secondary Treatment;
   c) Not using any Treatment.

vii) Is there any Common Effluent Treatment Plant (CETP) for Waste Treatment? Yes/No.
viii) Method of Waste Disposal adopted by the unit:
   a) Open Dump; b) Landfill; c) Other Method.

ix) Mode of Waste Disposal adopted by the unit:
   a) Self Disposal; b) Municipal Disposal; c) Other Disposal Method.

x) Does the unit pass on the waste to other industrial units as raw material for further production? Yes/No.

xi) Is the unit using any waste as raw material borrowed from other industrial unit? Yes/No.

xii) What are the barriers faced while implementing Waste Management Technology?

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xiii) Type of benefits the unit got by using Waste Management Technology:
   a) Reduction in cost of production; b) Reduction in environmental pollution;
   c) Reduction in waste generation; d) Good relationship with Pollution Control Board; e) Good working environment.

4. **Waste Management Cost, Output and Profit of the Selected Small-Scale Food Processing** Unit.

i. Allocation of budget for waste management by the unit: Yes / No.

ii. Purpose for allocation of budget for waste management by the unit.

iii. What is the waste management cost of the unit per year?
iv. Give details about the quantity of output and profit of the selected unit per year.

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5. Awareness about Regulations and Economic Incentives on Waste Management among the Entrepreneurs of the Selected Unit.

i) Knowledge About Water (Prevention and Control of Pollution) Act 1974: Yes/No.


iii) Knowledge About Environmental (Protection) Act 1986: Yes/No.


v) Awareness About Effluent Charges: Yes/No.

vi) Knowledge About Subsidies and Other Incentives: Yes/No.

vii) Suggestion if any for Waste Management Programmes.