

PART D

APPENDICES

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APPENDIX DD-1 SOURCES OF INFORMATION

1. 'Municipal Solid Waste Management by Vermiculture Biotechnology'
Mr Uday S Bhawalkar
Director of Bhawalkar Earthworm Research Institute, Pune-37 (India)
PECR FOUNDN P-50
2. Discussion with the concerned authorities, and with rag pickers, hawkers, middlemen and small scale manufacturers
3. *Solid Waste Management in Greater Bombay*, a paper presented by Shri C. D. Kotnis
Chief Engineer, SWM, MCGB, Bombay, 1992

APPENDIX DD-2 PRICES OF RECYCLED MATERIALS

PLASTIC

Pickers' selling price to middleman		Middleman's selling price to industries for making granules for plastic products	Small scale industry selling price of granules to industry manufacturing plastic products	Remarks
Rate per Kg	Range of Rate	Rate in Rs/Kg	Rate/Kg	
Rs 0.50 Rs 3.00 Rs 6.00 Rs 10.00 Rs 12.00	Rs 0.50 to Rs 12.00	Rs 1.00 to Rs 15.00	Rs 30.00 to Rs 80.00	The prices mentioned are on the basis of interviews

PAPER AND CARDBOARD

Pickers' selling price to middleman		Hawkers' buying price from houses and shops		Middleman's buying price from hawkers		Middleman's selling price to respective industries	
Category	Rate/Kg	Category	Rate/Kg	Category	Rate/Kg	Category	Rate/Kg
Newspaper	-	Newspaper	Rs 4.00	Newspaper	Rs 5.00	Newspaper	6.00
Other paper	Rs 0.60 to Rs 2.00	Other paper	Rs 0.60 to Rs 2.00	Other paper	Rs 0.80 to Rs 2.75	Other paper	Rs 1.00 to Rs 2.50
Cardboard	-	Cardboard	Rs 0.60 to Rs 2.75	Cardboard	Rs 80 to Rs 2.75	Cardboard	Rs 1.00 to Rs 3.50

N.B:- The selling & buying prices are based on interviews with pickers and hawkers, etc.

RAGS AND GUNNY BAGS

Pickers' selling price to middleman		Middleman's resale price		Remarks
Category	Rate/Kg	Category	Rate/Kg	
Rags	Rs 0.50 to Rs 1.00	Rags	Rs 1.10	Rags are picked by pickers Gunny bags are purchased by hawkers and middlemen directly
		Gunny Bags	Rs 1.10	

BONES

Pickers' selling price to middle man	Remarks
Rs 0.50/Kg	Middleman sells to industry at Rs 0.80 to Rs 1.50/Kg NB The prices are based on the information obtained from the different persons involved.

SCRAP METALS

		Remarks
Hawkers' buying price & pickers' selling price to middleman	Middleman's selling price to industries	The prices are based on the information obtained by interviews
Rs 0.50 to 3.00/Kg	Rs 1.00 to Rs 4.00/Kg	

GLASS

		Remarks
Hawkers' buying price & pickers' selling price to middleman	Middleman's resale price to glass industries	The prices are based on the information obtained from interviews
Rs 0.70/Kg to Rs 0.80/Kg	Rs 1.40/Kg	

APPENDIX DD-3 FLOWSHEET SHOWING RECYCLING PROCESSES FOR PLASTIC

