Services for the urban poor
Services for the urban poor

5.

From Action Plans to Implementation

Andrew Cotton & Kevin Tayler

Water, Engineering and Development Centre
Loughborough University
2000
Water, Engineering and Development Centre
Loughborough University
Leicestershire
LE11 3TU UK

© A.P. Cotton and W.K. Tayler, 2000

Any part of this publication, including the illustrations (except items taken from other publications where the authors do not hold copyright) may be copied, reproduced or adapted to meet local needs, without permission from the author/s or publisher, provided the parts reproduced are distributed free, or at cost and not for commercial ends, and the source is fully acknowledged as given below. Please send copies of any materials in which text or illustrations have been used to WEDC Publications at the address given above.

A reference copy of this publication is also available online at:
http://www.lboro.ac.uk/wedc/publications/sftup.htm

Services for the Urban Poor:
Section 5. From Action Plans to Implementation
WEDC, Loughborough University, UK.

ISBN Paperback 0 906055 82 2

This document is an output from project R7292 funded by the UK Department for International Development (DFID) for the benefit of low-income countries. The views expressed are not necessarily those of DFID.

Designed and produced at WEDC
Printed by Quorn Selective Repro, Loughborough
Acknowledgements

The financial support of the Department for International Development of the British Government is gratefully acknowledged. The authors would particularly like to thank their many urban engineering colleagues and friends throughout India, Pakistan and Sri Lanka with whom they have worked for the last fifteen years. Their experience has been central to the preparation of this work. Mr P Srinivasa Rao from Hyderabad, India provided a critical review of earlier drafts and additional material for Sections 4 and 6. Colleagues at WEDC and GHK Research and Training provided information and comments throughout the development of the work. We also acknowledge the inclusion of some material from earlier work jointly authored with Dr Richard Franceys. Finally, we wish to acknowledge Sue Cotton for her editorial contributions and the patience and skill of Rod Shaw and Glenda McMahon of the WEDC Publications Office in the design and production of the manual.
# Contents

Who should read this ................................................................. 5.1  
Objectives of this section .......................................................... 5.1  
What this section tells you ......................................................... 5.2  
  
Administrative procedures ....................................................... 5.2  
Sources of finance .................................................................... 5.4  
Streamlining approval procedures .............................................. 5.5  
Standardisation of design .......................................................... 5.8  
Standardisation of cost estimation .............................................. 5.8  
Deciding on market rates ........................................................... 5.11  
Procurement and contracting ..................................................... 5.11  
Quality control, monitoring and construction cost ...................... 5.13  
Community as advisers ............................................................. 5.14  
Monitoring: performance reporting systems ............................. 5.15  
  
**Tool 15 Standard engineering details ........................................ 5.20**  
What this tool will tell you ......................................................... 5.20  
How to use this tool ................................................................. 5.20  
Setting up a system for standard engineering details ................. 5.20  
  
**Tool 16 Spreadsheets for cost estimation ................................. 5.23**  
What this tool will tell you ......................................................... 5.23  
How to use this tool ................................................................. 5.23  
Making use of spreadsheets ..................................................... 5.23  
Schedule of Rates .................................................................... 5.24  
Market rates ............................................................................ 5.25  
Cost information for user groups and communities .................... 5.26  
Cost information for approvals and sanctions ........................... 5.28