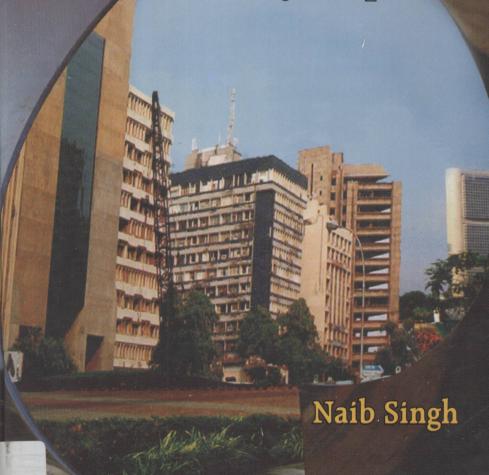
# URBAN PUBLIC SERVICES

Pricing and Subsidy Component



D735.18

## **Urban Public Services Pricing and Subsidy Component**

- Health and Security Services
- Infrastructural Services
- Environment Improvement Services

With Special Emphasis on Municipal Expenditure, Income from and Subsidy Element in Urban Services

#### Edited by

#### **NAIB SINGH**

Department of Geography, B.S.C. Ji, Government College Sardargarh, Bathinda



#### DR. SURYA KANT

Reader, Department of Geography, Paniab University, Chandigarh



E200603879



**DEEP & DEEP PUBLICATIONS PVT. LTD.** F-159, Rajouri Garden, New Delhi - 110027

## URBAN PUBLIC SERVICES PRICING AND SUBSIDY COMPONENT

ISBN 81-7629-824-7

#### © 2006 NAIB SINGH

All rights reserved with the Publisher, including the right to translate or to reproduce this book or parts thereof except for brief quotations in critical articles or reviews.

Typeset by THE COMPOSERS, 260, C.A. Apt., Paschim Vihar, New Delhi - 110 063

Printed in India at NEW ELEGANT PRINTERS, A-49, Phase-I, Mayapuri, New Delhi - 110 064

Published by DEEP & DEEP PUBLICATIONS PVT. LTD. F-159, Rajouri Garden, New Delhi-110 027 Phones: 25435369, 25440916.

E-mail: ddpbooks@yahoo.co.in • deep98@del13.vsnl.net.in Showroom:

2/13, Ansari Road, Daryaganj, New Delhi-110002 • Telefax: 23245122

## **URBAN PUBLIC SERVICES**

PRICING AND SUBSIDY COMPONENT

### Foreword

Municipal bodies in India perform a variety of obligatory and non-obligatory functions, like water supply, sewerage and drainage, street lighting, public transport, fire brigade service etc., for the residents living under their respective jurisdictions. Poor state of municipal services in towns and cities in the country is a well recognised and documented fact. The National Commission on Urbanisation states, "urban centers have ... generated the most brutal and inhuman living conditions, with large sections of the citizens ... living in squatter settlements. The over crowding in slums and the desperate lack of water and sanitation leads not only to severe health problems but to the abject degradation of human life.... In the decades to come, who knows how much political tension and physical violence will be triggered off by the flagrant display of wealth which coexists with the rising expectations of the poor and with the appalling conditions of congestion and pollution which form their environment" (Vol. I, p. 1).

The malady seeks a diagnosis for its remedy. Analytical perspectives on the matter differ. One of the perspectives is that there is a reluctance to raise prices of services in face of sharp increase in expenditure on production, distribution and maintenance of these services in the wake of demographic growth, physical expansion of towns and cities along with rising cost of labour and material. The National Commission on Urbanisation also notes, "there is a universal complaint in India that local bodies, which are responsible for maintenance of existing services, are woefully short of resources, both for maintenance of existing services and for making the capital investment necessary for expansion" (Vol. II, p. 133). Deterioration in quality and availability of services is the natural outcome of all this. Less empowered social groups and peripheral localities do suffer the most in the process.

Although numerous studies are available on urban services and municipal finances yet seldom has been an attempt made to study the pricing mechanism of urban services so as to understand the bases on which urban services are subsidized and to find out a rational formula for their distribution. So far Indian Geography is considered, there is a complete dearth of such studies. The present book *Pricing of Urban Services—Pricing and Subsidy Component* by Naib Singh is a commendable exception. He is the first at least among the Indian geographers to take up this theme for innovative research.

A variety of questions raised in the book is very appropriate, timely and focused. Is there some basis for distribution of subsidies on urban services? Was there any social and or spatial discrimination in their distribution and what should be the rational approach to the subsidy element in the provision of urban services? In fact, the whole discussion in the book is centred around, how to build a sustainable system of urban services for towns and cities in India, which combines the virtues of service efficiency, social equity, operational effectiveness, dynamic growth and financial viability.

The job of finding answers to these questions has been handled with a fine research skill by Dr. Naib Singh. He picked up a case study of municipal towns in Bathinda district of Punjab. His personal knowledge on the working of services in the district, as he is settled in Bathinda city of the district, and extensive fieldwork conducted methodologically has been a great asset.

Some of the findings of his work deserve reproduction. Urban services in Punjab are highly subsidized. Only an amount of Rs. 32 18 million, making up only 8.0 per cent of total municipal expenditure (on average annual basis), is recovered; making less than 15 percent of total expenditure incurred by the municipalities on urban services. In other words, 85 paisa out of each rupee goes as subsidy. At the level of individual town, the large towns were guided by the principle of economic efficiency in spending on services in comparison to small towns, whereas the concept of equity prevailed over the efficiency criteria. In 1996-97, where per capita subsidy rose to its peak level of Rs. 38, inter-municipal variations were the least. It seems that there is threshold point beyond which the growth of subsidy has to be kept within limit.

Five out of eight urban services examined were fully subsidized, while remaining three were partially subsidized. Public health and sanitation received the highest amount of Rs. 15.30 million or about 30 per cent of total subsidy amount. Against this, the fire brigade services, received only Rs. 1.46 million or less than 3 per cent. Of all the services, three urban services viz., public health and sanitation, sewerage and roads cornered nearly 73 per cent of total subsidy amount during the period. Recovery rate varied from a high of about 46 per cent in case of water supply service to a low of less than 8 per cent in sewerage service.

Per capita amount of subsidy on urban services recorded strong positive association with all the attributes of towns, included in the analysis, but association was exceptionally strong with growth rate of population and per capita amount of expenditure. In other words, rapidly growing and high per capita spending towns provided very high per capita amount of subsidy on urban services.

In view of the high subsidy component in provision of urban services, there is a need for rationalization. The immediate solution that comes to mind is a hike in the tariff structure of urban services. Some of the core issues involved in the matter are: (i) Convincing people of the fact that they are getting highly subsidized urban services and that the poor quality of services being rendered is related largely to this fact; consequently he must pay for these services adequately, (ii) Working out a scenario in which the consumer is convinced that it is not the administrative mismanagement but the financial crunch which is more responsible for the prevailing situation, and (iii) preparing the local politician to cooperate by resisting the tendency towards populism and opposing it to encourage any rationalization of pricing of urban services. The situation is more favourable now than ever before. Already a favourable wind is blowing towards rationalizing of the prices of urban services. The urban-dwellers have also started getting a feel of it. Their mindset is now changing towards the content of emerging realities.

Such perceptive observations are a hallmark of Dr. Naib Singh's book. His entire work is noted for clarity of concepts, rigour of methodology, and depth of insights. He displays a remarkable capacity to draw incisive geographic inferences from his study. He displays a slended commitment to objectivity while dealing with any issue. Fieldwork based observations and analysis further enhance the quality and objectivity of the work accomplished.

He has provided a model for others interested in similar themes. At the same time, it devolves upon dynamic and energetic Dr. Naib Singh that he continues exploring the hidden dimensions of this theme. Above all, the book contains several messages worthy of serious considerations by the audience in geography, economics, public administration, and urban and regional planning in addition to bureaucrats and policy planners, journalists, activists and an informed general audience. Dr. Naib Singh deserves our heartiest congratulations at accomplishing a singularly splendid job. I wish the book all success.

Chandigarh

SURYA KANT Reader Department of Geography Panjab University

## Acknowledgements

Coming through the demands of research work, one is amazed by the reactions one may get from one's colleagues, friends, close associates and professionals. What I have found most wonderful is the unexpected inspiration and strength that came to me from unexpected quarters and made me all the more resolute in my purpose. I acknowledged that some Divine hand is quietly and resolutely guiding me on my way. I take this opportunity to give thanks to all those who contributed towards making the path easier and were my guiding lights in this research.

First and foremost, I would like to express my deepest gratitude to my Research Supervisor, Dr. Surva Kant, Reader in Geography, Panjab University, who unstintingly and dedicatedly devoted his time, efforts and resources to enable this project to take shape to its final fructification. I am also most grateful to Dr. Dhian Kaur, Reader and Chairperson, Geography Department, Panjab University for allowing me the use of the research facilities in the Department. I would like to thank Prof. Gopal Krishan, Senior Professor and Hony. Director, CRRID, Chandigarh, for cultivating my interest on this theme. Discussions with other faculty members in the Department have always been helpful in giving me clarity of thought on this theme.

I must give due acknowledgement for all the cooperation and help that was extended to me by the officials and employees of the eight municipalities. They helped me to obtain the desired information and requisite data. Further the Municipal Councillors and residents of all these municipalities deserve special mention for their aid in helping me to grasp the ground realities during the field survey. I must thank here, my friends, especially Sh. G.S. Dhindsa, DTP, Bathinda and Sh. K.S. Dhaliwal, DTP, Headquarters, Chandigarh for their sincere advice and help.

I would like to thank the Principal, colleagues and students of my college who were with me through all phases of the book. I must give due credit to those who helped me give final shape to the book. They are Dr. Krishna Mohan and Dr. Prem Sagar, Geographers who took great pains. Sh. Mohan Singh, Cartographer, of the Department for his help in designing and drafting of maps and diagrams. I must thank Sh. Rakesh Arora who painstakingly worked on various drafts before finally arriving at this point. I thank Dr. R. Lamba for her editorial skills and suggestions.

I am indebted to my family especially my wife and my children for their patience and care that helped me persevere through the most difficult times.

Last but not the least I express my thanks to Shri G.S. Bhatia, Deep & Deep Publications Pvt. Ltd., New Delhi for cooperation and taking utmost care to achieve perfection to print and present the material in the book form.

Bathinda

NAIB SINGH

## Contents

Foreword Acknowledgements		xi xv	
SECTION I			
1.	INTRODUCTION Obligatory Functions Discretionary Functions Literature on Urban Services Subsidy Element The Study Area Organisation of Study	3 4 5 7 12 15	
2.	PROFILE OF TOWNS Introduction Bathinda City Historical Background 19 Physical and Demographic Growth 20	16 16 18	
	Rampura Phul Historical Backgrounds 23 Physical and Demographic Growth 23	22	
	Maur Mandi Historical Background 26	25	
	Physical and Demographic Growth 26 Raman Mandi Historical Background 28 Physical and Demographic Growth 28	28	
	Physical and Demographic Growth 28 Goniana Mandi Historical and Religious Background 29 Physical and Demographic Growth 31	29	
	Bhucho Mandi Historical Background 33 Physical and Demographic Growth 34	33	
	LIIVSICALAIIG DEMORIADING CHOWILL 34		

	Kot Fatta	34
	Historical Background 36 Physical and Demographic Growth 36 Sangat Mandi Historical Background 38 Physical and Demographic Growth 38 Main Highlights	38
3.	MUNICIPAL INCOME AND EXPENDITURE	42
	Per Capita Municipal Income and Expenditure: Inter-District Comparison Inter-District Variations in Share of Municipal Income and Expenditure Municipal Income by Sources: Inter-District Comparison Inter-district Variations in Municipal Expenditure by	44 48 50
	Expenditure Heads	55
	Inter-Municipal Variations in Income	61
	Inter-Municipal Variations in Municipal Expenditure	64 67
	Subsidy on Urban Services: Comparative Picture	69
	Inter-district Variations in Subsidy Share Inter-district Variations in Per Capita Subsidy on Services	71
	Main Highlights	74
4.	PUBLIC HEALTH AND SECURITY SERVICES Water Supply	79 79 80
	Sources and Coverage Expenditure Pattern and Trends	92
	A. Aggregate Expenditure on Water Supply B. Change in Expenditure, 1980-98 96	92
	C. Per Capita Expenditure 98	
	Income Pattern and Trends	102
	A. Aggregate Income from Water Supply 102 B. Change in Income, 1980-98 104 C. Per Capita Income 106	
	Subsidy Component	108
	A. Aggregate 108	
	B. Inter-Municipal Variations 109 C. Spatio-Temporal Changes 111	
	D. Per Capita Subsidy 113 Spatial Discrimination in Distribution of Subsidy	116

	Content	s vii
	Main Highlights Sewerage and Drainage	119 123
	Sewerage	124
	Sewerage System: Evolution and Expansion	125
	Subsidy on Sewerage: Pattern and Change 136 Per Capita Subsidy 140	
	Spatial Discrimination in Distribution of Subsidy Component 145	
	Main Highlights 149	
	Drainage	152
	Expenditure on Drainage 154	
	Change in Expenditure Share 158	
	Per Capita Subsidy 160	
	Spatial Discrimination in Subsidy on Sewerage and	
	Drainage 165	
	Main Highlights 168	4.0
	Public Health And Sanitation	169
	Sanitary Staff in Municipal Towns of Bathinda 170 Infrastructure for Sanitation 172	
	Subsidy on Public Health and Sanitation Service 12	75
	A. Aggregate Picture 175	
	B. Subsidy as Proportion of Municipal Expenditure and Change in it 180	re
	C. Composition of Expenditure/Subsidy 183 D. Per Capita Expenditure/Subsidy on Sanitation Spatial Discrimination 191	187
	Main Highlights 193	
	Fire Brigade Service	196
	Fire Services: Infrastructure and Staff 197	
	Expenditure: Pattern and Change 199	
	Main Highlights 202	
	SECTION II	
5.	INFRASTRUCTURE SERVICES	207
	Roads	207
	Municipal Roads: Spatial Expansion and Coverage Subsidy: Pattern and Change 221	210
	Per Capita Subsidy 224	
	Spatial Discrimination 230	
	Main Highlights 234	

	Street Lighting Municipal Expenditure on Street Lighting 237 Per Capita Expenditure/Subsidy 242 Spatial Discrimination 246 Main Highlights 254	236
6.	Slum Improvement Slums in Towns of Bathinda 258 Expenditure on Slum Improvement 262 Per Capita Expenditure/Subsidy on Slums 264 Main Highlights 265 Recreational Facilities Expenditure: Pattern and Change 267 Income: Pattern and Change 272 Subsidy: Pattern and Change 274 Spatial Discrimination in Subsidy on Recreational Facilities 279 Main Highlights 280	257 257 267
	SECTION III	
7.	SECTION III  SUBSIDY COMPONENT IN URBAN SERVICES Aggregate Amount of Subsidy Inter-service Variations in Subsidy Growth of Subsidy Amount Inter-Municipal Disparities in Distribution of Subsidy Inter-Municipal Differentials in Subsidy on Services Inter-Municipal Disparities in Per Capita Subsidy Recovery Rates: Inter-Service and Inter-Municipal Differentials Correlates of Subsidy Element A. Subsidy Element and Non-quantitative Attributes of Towns 318 B. Subsidy Element and Quantitative Attributes of Towns 320 Rationalisation Approach to Subsidy Element	287 288 291 295 297 300 308 314 318

	Contents	ix
8.	SUMMARY AND CONCLUSIONS	330
	<b>Appendix I:</b> Bathinda District: Municipal Finance, 1980-98	354
	<b>Appendix II:</b> Bathinda District: Income and Expenditure of various Municipalities, 1980-98	e 358
	Bibliography	363
	Index	373

## **SECTION I**

此为试读,需要完整PDF请访问: www.ertongbook.com