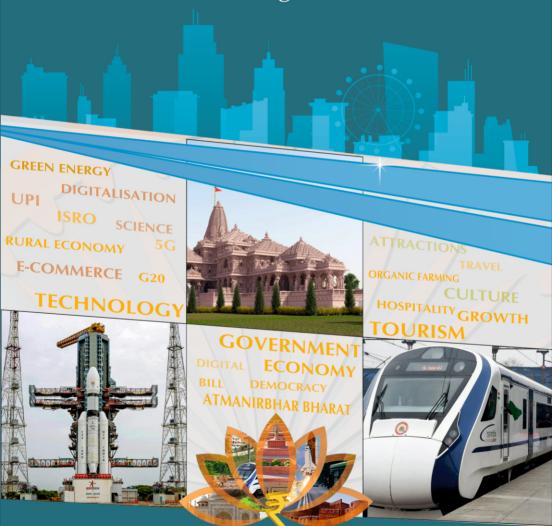
PARADIGM SHIFT IN INDIAN ECONOMY

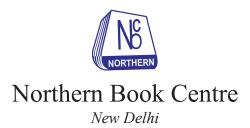
Edited by M.K. Agarwal



Northern Book Centre

PARADIGM SHIFT IN INDIAN ECONOMY

Editor M.K. Agarwal



© 2025, Northern Book Centre, New Delhi

Price: ₹ 1,500.00

All rights reserved. No part of this book may be reproduced in any form, or by any means, electronic or mechanical, including photocopying, recording or by information strorage or retrieval system, without prior written permission of the publishers.

Published by

Northern Book Centre

4221/1, Ansari Road, Daryagani, New Delhi-110 002

Phones: 011-23264519, 23271626, 23280295

Fax: 011-23252651

E-mail: nbcnd@bol.net.in, books1.nbc@gmail.com

Website: www.northernbook.in

Publisher's Cataloging-in-Publication Data

M.K. Agarwal

Paradigm Shift in Indian Economy / M.K. Agarwal

p. cm

ISBN: 978-81-963618-6-0

Printed at Swatantra Bharat Press, 423, Gali Jainyan, Esplanade Road, Delhi-110 006S

Preface

I am feeling a sense of ecstasy to bring this volume among the enlightened minds who may often feel the need for such a book at a time when the global economy is taking a wild twist. There have been debates about the course of development in the Indian economy. It was also being underlined that there is growing rigidities or stickiness among many of the parameters and schemes of development in the Indian economy. For such unhealthy scenarios, many would have carried perception that inclusive and faster growth strategies are difficult to realize in the Indian economy over a longer period horizons. However, in the last one decade, with the change of government and the change of economic philosophy, the economic functioning is also undergoing rapid transformation.

It is not that the economic transformation did not occur earlier in the Indian economy particularly after attaining *political Independence* in 1947. However, it is a matter of discussion whether the type of transformation was inclusive and sustainable or not. It is because despite surge in several indicators of growth and development, Indian economy seems to gradually suffer at higher and higher pitch in terms of inclusiveness and sustainability. Moreover, time gap to attain the basics of development on sustainable basis was getting overly long and unending.

It is in this background, we wanted to understand the dynamics of the economic development ever since 2014 when the economic behaviour underwent major overhaul. It was in terms of speed, dimension, intensity and vision. Not only this, there are signs of very high degree of inclusiveness and sustainability in the economic practices with greater thrust on transparency and dependence on

inclusive technology and self reliance. The pace of transformation is often so swift and fast that the scholars often miss the coherence in the development strategy and the usual methodology of analysis gets blunted. It is in this backdrop that we are making efforts to understand the fast changing economic scenario in India that is also becoming an attraction at the global level. We have attempted to incorporate various issues in the Indian economy which may have various time horizons. It further helps in understanding the real issues in proper perspectives.

This volume has been an outcome of sustained efforts by colleagues, scholars, friends and students. I am grateful to all the contributors for this book who have taken pains and put in efforts to provide a good quality chapter material. The book has been made possible due to the consistent and sustained assistance provided by my scholars Dr Sunanda Mishra, Miss Samia Ansari and Miss Garima Mishra. Many others have also helped in getting this published and all those are gratefully acknowledged without naming them for fear of missing many more. Of course, this volume would not have been in the hands of readers if M/s Northern Book Centre would not have published it keeping quality in mind and we are grateful for this.

19.10.2024 Lucknow

Prof Manoj Kumar Agarwal

Brief Overview of the Chapters

M.K. Agarwal in his opening chapter *Paradigm Shift in the Indian Economy* infers that the earlier models of development have been flawed for many reasons. These were not in consonance with the Indian social, cultural, historical and strategic set-ups. There is now thrust on big push efforts in all spheres of the economy ranging from welfare schemes to core infrastructure development and technological and governance reforms reflecting on the paradigm shift in the Indian economy.

Nagendra Kumar Maurya and Karuna Shanker Kanaujiya in Chapter-2 on *Inequality and Human Development In India: Discounting Distributional Asymmetry in Uttar Pradesh* argue that rising inequalities in income are of particular attention. Income is a means to attain ends. Its unequal distribution may also lead to unequal sharing of other social and economic goods. Inequality has micro as well as macro repercussions for the economy. Higher inequality leads to low-earning families to invest less in education, health and skills which hurt growth by reducing the number of skilled workers available for work in the economy.

Pawan Gupta and Sonu Perme in their chapter on *Tourism and Inclusive Growth: An Opportunity for All* conclude that if tourism is managed with a strong focus on poverty alleviation, it can directly benefit the poorer groups by employing local people in tourism enterprises, engaging them in community participation and capacity building or running small and community- based enterprises.

M.K. Agarwal, Dinesh Singh, Mayank Kumar Singh, Amritesh Mullick and Sunanda Mishra in Chapter-4 on Linkage between Wealth Index and Child Health Outcomes in Uttar Pradesh offer

that household wealth is a component that can't be ignored for the demographic and social variables that play crucial roles in overall economic development of any developing nation or sub-nation or state like Uttar Pradesh having implications for India.

Shampa Paul and Kaushalesh Lal in Chapter-5 on Employment and Technological Change in Indian Manufacturing and Non-Financial Sectors derive that re-skilling of workforce coupled with financial incentives and recreational facilities provide enough incentives to workforce to use their full potential for betterment of the firm. This helps firms in maintaining/expanding market share resulting in creation of more employment. The size of operation is extremely important for acquisition and adoption of any new technology.

Arup Mitra in Chapter-6 on *Employment Situation over the Decades* underlines that downsizing of employment in the public sector and the lack of rapid employment generation in the organized private sector resulted in a decline in the aggregate employment growth after 1984. Thereafter, the employment growth has never been able to match the growth experienced during 1975-1984.

M.H. Suryanarayana in Chapter-7 on MGNREGA Evaluation: An Equity-Oriented Gender Empowerment Perspective evaluates the MGNREGA, a rights-based approach to ensure social protection for the deprived, from an equity-oriented gender empowerment perspective. The study has proposed a framework and concepts which would facilitate such an evaluation with reference to different cannons and norms

Ruby Ojha in Chapter-8 on Gender Inclusion in Information Technology Industry concludes that overall increase in participation of women in workforce will require addressing multiple and reinforcing barriers to equality among families, job and product markets.

Pradeep Kumar Singh in Chapter-9 on Service Sector Growth and Indian Economy concludes that there is uni-directional causal relationship between services exports and travel and software services exports. It is travel and software services exports which are affecting total services exports significantly, but not significantly affected by other components taken into consideration.

Abdur Rashid Ahmed and Nissar A. Barua in Chapter-10 on Causality between Infrastructure and Economic Growth in India:

The Cointegration and VECM Approach seeks to extend economic analysis beyond the established positive impact of infrastructure on economic growth by adopting the causality approach to examine the direction of causality between the two critical macro variables.

Aasheerwad Dwivedi and Amaresh Dubey in their Chapter-11 on Infrastructure, Growth and Poverty: A Study of Indian States infer that as India has become the fastest growing major economy in recent years, there is a need to improve infrastructure in order to continue this momentum and attract further investment. This is also required on urgent basis to improve India's position as a favoured investment destination

Jitendra Kumar and Archana in Chapter-12 on Development – Issues and Challenges conclude that the attainment in the field of income / employment and in educational front, the scenario of women empowerment seems to be comparatively poor.

Kriti Arora and Amaresh Dubey in Chapter-13 on Refining Castebased Wage Discrimination in the Indian Labor Market looks at the wage differentials between the General and SC/ST category individuals for two rounds of IHDS data and attempts to estimate the proportion of the wage differential that can be attributed to discrimination

M.K. Agarwal and Samia Ansari in Chapter-14 on Efficiency of State Finances in India find that it is commendable that despite being a lower-income state in terms of per capita income, Uttar Pradesh has spent more on developmental heads as a proportion of GSDP as compared to the other high-income states. Therefore, it can be said that the efficiency of state finances in Uttar Pradesh has been improved significantly during the fiscal legislation period. The highincome state, Gujarat, has also been successful in following fiscal prudence rules and getting its deficit indicators in to sustainable limits within the time frame.

M.K. Agarwal and Garima Mishra in the last chapter on Economic Philosophy of Deen Dayal Upadhyaya and Recent Indian Economic Strategies make clear from the analysis that the current Modi government is setting the framework of its schemes by considering ideas of Deen Daval Upadhvava for socio-economic upliftment of the large share of India's population who remained deprived of the overall development in the country.

List of Contributors

Aasheerwad Dwivedi

Research Scholar, CSRD, Jawaharlal Nehru University, New Delhi, India

Abdur Rashid Ahmed

Assistant Professor,

Department of Economics, University of Science and Technology, Meghalaya

Amaresh Dubey

Professor of Economics,

Centre for the Study of Regional Development, School of Social Sciences, Jawaharlal Nehru University, New Delhi, India

Email: amaresh.dubey@gmail.com

Amritesh Mullick

State Technical Specialist Clinical, UPTSU, I-Hat, Lucknow, Email: mullick.amritesh@gmail. com

Archana

Maharishi Dayanand University; G.G.D.S.D. (P.G.& Research) Centre, Palwal, Haryana

Arup Mitra

Professor,

NILERD and Institute of Economic

Growth, Delhi-110007 arup@iegindia.org

Dinesh Singh

Team Leader,

Child Health, I-Hat , Lucknow, dr.dineshsinghlko@gmail.com

Garima Mishra

Research Scholar,

Department Of Economics, University of Lucknow, Lucknow, Uttar Pradesh, India

Email: gari.innovative@gmail.com

Jitendra Kumar

Professor, of Commerce & Management Studies at G.G.D.S.D (P.G.) Centre Palwal, Haryana

Karuna Shanker Kanaujiya

Assistant Professor,

Department of Applied Economics, University of Lucknow, Lucknow 226007

Email: dr.karunashanker@gmail. com

Kaushalesh Lal

Professorial Fellow, UNU-MERIT, Maastricht, The Netherlands E: lal@merit.unu.edu

Kriti Arora

Research Scholar.

Centre for the Study of Regional Development, School of Social Sciences, Jawaharlal Nehru University, New Delhi

M.H. Suryanarayana

Professor,

India Gandhi Institute of Development Research, Film City Road, Goregaon East Mumbai 400

Email: surya@igidr.ac.in

Manoj Kumar Agarwal

Professor,

Department of Economics, University of Lucknow, Lucknow 226007

mk.agarwal.lu@gmail.com

Mayank Kumar Singh

Senior Program Associate-Monitoring and Evaluation, I-Hat, singhmkgeobhu@gmail.com

Nagendra Kumar Maurya

Assistant Professor,

Department of Applied Economics, University of Lucknow, Lucknow 226007

Email: nagendrainsearch@gmail. com

Nissar A. Barua

Professor,

Department of Economics, Gauhati University, Guwahati, Assam, India Email: nissar12@gauhati.ac.in

Pawan Gupta

Associate Professor,

Indian Institute of Tourism and Travel Management, India, Noida Email: drpawan.gupta@yahoo.com

Pradeep Kumar Singh

Assistant Professor,

Department of Economics, University of Allahabad, Prayagraj-211 002.

Email.- pradeepbpo1990@gmail. com

Ruby Ojha

Professor

Department of Economics, SNDT Women's University, Mumbai – 400020

Email- ojha.ruby@gmail.com

Samia Ansari

Research Scholar.

Department Of Economics, University of Lucknow, Lucknow, Uttar Pradesh, India

Email: samiaansari213@gmail.com

Shampa Paul

Associate Professor,

Society for Development Studies, Core 6A, 2nd Floor, India Habitat Centre, Delhi,

Email: shampa@sdsindia.org

Sonu Perme

Indian Institute of Tourism and Travel Management, Noida, India

Sunanda Mishra

Research Investigator, Population Research Centre,

Department of Economics,

University of Lucknow, Lucknow Email: sunanda1507@gmail.com

Contents

iii

Preface

Brief of Overview of Chapter		ν
List of Contributors		ix
List of Figures		xix
List of Tables		xxi
1. Paradigm Shift in the Indian	Economy	
	M.K. Agarwal	1-13
Introduction		1
Paradoxical or Unbalanced Appro	each in Development	2
Turning Point in the Indian Econo	omy	4
Initiatives by the Modi Regime		5
Jan Dhan Yojana		6
Ujjwala Scheme		6
In-House Toilets		7
Ease of Doing Business		8
Road Development		8
Electrification and Related Iss	ues	8
Making Health as Inclusive G	rowth Strategy	9
COVID-19		10
Goods and Services Tax (GST)	10
E-governance and Digital Eco	nomy	11
Self-reliant India with Swades		12
Conclusion		12
References		13

2.	Inequality and Human Development in India: Discounting Distributional Asymmetry in Uttar Prade	sh
	Nagendra Kumar Maurya and Karuna Shanker Kanaujiya	15-37
	Introduction and Background	15
	Distributional Issues and Human Development	16
	Human Development and Indian Economy	18
	Human Development and Uttar Pradesh	19
	Methodology and Data Sources	20
	Choice of Indicators	20
	Data	21
	Education	21
	Health	21
	Income	21
	Methodology	22
	Calculation of Unadjusted HDI	22
	Inequality Measurement	23
	Inequality Adjusted HDI and Loss	23
	Human Development in Uttar Pradesh	24
	Descriptive Statistics	25
	District-wise Human Development	26
	Inequality Measurement	29
	Inequality Adjusted HDI	30
	District-wise Inequality Adjusted Human Development	31
	Concluding Remarks	34
	References	35
3.	Tourism and Inclusive Growth: An Opportunity for All	
	• • • • • • • • • • • • • • • • • • • •	39-50
	Pawan Gupta and Sonu Perme Introduction	39-30
	Inclusive Growth as Defined by the World Bank	40
	Tourism and Inclusive Development	40
	Tourism Schemes in India for Inclusive Development	45
	Swadesh Darshan Scheme	45
	PRASAD Scheme (National Mission on Pilgrimage	43
	Rejuvenation and Spiritual Augmentation Drive)	46
	Uttar Pradesh Tourism and Inclusive Development	47
	Concluding Remarks	48
	References	48

4.	Linkage between Wealth Index and Child Health Outcomes in Uttar Pradesh	
	M.K.Agarwal, Dinesh Singh, Mayank Kumar Singh,	
	Amritesh Mullick and Sunanda Mishra	51-62
	Introduction	51
	Review of Literature	54
	Objective	55
	Data and Methodology	56
	Terms of Reference	56
	Results	57
	Conclusion	61
	References	61
5.	Employment and Technological Change in Indian Manufacturing and Non-Financial Sectors	
	Shampa Paul and Kaushalesh Lal	63-82
	Introduction	63
	Review of Literature	65
	Analytical Framework	67
	Hypotheses	70
	Data and Methodology	73
	Statistical Analysis	74
	Summary and Conclusions	78
	References	79
6.	Employment Situation Over the Decades	
	Arup Mitra	83-104
	Introduction	83
	Estimating Total Employment	83
	Growth-Employment Relationship over the Decades	87
	Unemployment Trends in India	91
	Informal Sector Employment	93
	Determinants of LFPR: A Panel Data Analysis at the State Level	95
	LFPR and Other Correlates: Cross-sectional	
	Results at the State Level	98
	Conclusion	101
	References	103

	Gender Empowerment Perspective	
	M.H. Suryanarayana	105-127
	Introduction	105
	Review of Literature	106
	Concepts and Measures	108
	Gender Equity Index	108
	Gender Inclusion Concept	109
	Gender Inclusion Coefficient	110
	Gender Pseudo-Inclusion Coefficient	111
	Economic Equity	112
	Empirical Profiles	113
	Data Base	113
	Gender Equity	116
	MGNREGA Shortfall	118
	MGNREGA Pseudo-shortfall	119
	MGNREGA Employment: Pseudo-Gini	120
	Conclusions	125
	References	126
8.	Gender Inclusion in Information Technology Industr	y
	Ruby Ojha	129-145
	Introduction	129
	Objectives	129
	Methodology	130
	Women's Participation in Labour Force of India	130
	Women's Participation in Information Technology in India	133
	Analysis of Primary Data	138
	Socio-economic Profile	138
	Family Support	139
	Office Support	140
	Gender Inclusion	141
	Conclusion	142
	References	143
9.	Services Sector Growth and Indian Economy	
•	Pradeep Kumar Singh	147-170
	Introduction	147-170
	Literature Review	148
	Overview of the GATTS	150

	Content	► X\
Research Problems		151
Objectives of the Study		151
Research Methodology		151
Unit Root Test		153
Growth and Contribution of Services Sector in India		155
Share of Services in Employment		156
Trend Analysis		157
Empirical Analysis		161
Conclusion and Suggestions		164
References		166
Appendix		168
10. Causality between Infrastructure and		
Economic Growth in India: The Cointegration a	ınd	
VECM Approach		
Abdur Rashid Ahmed and Nissar A. Baru	a 1'	71-180
Introduction		171
Data Source		173
Line of Analysis and Outcomes		173
Test of Cointegration		175
A Test of Causality: VECM Approach		177
Conclusion and Policy Implications		177
References		178
Appendix		179
11. Infrastructure, Growth and Poverty:		
A Study of Indian States		
Aasheerwad Dwivedi and Amaresh Dube	y 18	81-201
Introduction		181
Data and Methodology		185
Infrastructure Indices and Regional Disparity		188
Infrastructure, Growth and Poverty Relationship		193
Correlation Results		193
Panel Regression		193
Simultaneous Equation Model		194
Conclusions		196
References		197
12. Women Development: Issues and Challenges		
Jitendra Kumar and Archan	a 20	03-212
Introduction		203

Review of Literature	205
Objectives of the Study	206
Research Methodology	206
Effect of Child Marriage on Children's Health	206
Consequences of Girl-Child Marriage	207
Hindrances of Women Development	207
Need for Women Development	208
Ways to Develop Women	208
Challenges	208
Suggestions	210
Conclusion	210
References	211
13. Refining Caste-based Wage Discrimination in	
Indian Labor Market	
Kriti Arora and Amaresh Dubey	213-234
Introduction	213
Review of Literature	214
Data and Variables	216
Data	216
Variables	216
Methodology	217
Heckman Sample Selection Model	219
Descriptive Statistics	221
Decomposition Results	226
The Prevalence of Discrimination in Uttar Pradesh	231
Conclusion	232
References	233
14. Efficiency of State Finances in India	
M.K. Agarwal and Samia Ansari	235-256
Introduction	235
Comprehensive Parameters for Assessing	
State Finances Efficiency	237
Gross Fiscal Deficit to GSDP Ratio	237
Revenue Deficit to GSDP Ratio	237
Public Debt to GSDP Ratio	237
Growth in Tax and Non-Tax Revenues	237
Growth in Developmental and	
Non-Developmental Expenditures	237

Proportion of Tax Revenue, Non-Tax Revenue, Developmental Expenditure, and	220
Non-Developmental Expenditures in GSDP	238
Interest Payments to Revenue Expenditure Ratio and	
Interest Payments to Tax Revenue Ratio	238
State Finances Efficiency in Maharashtra	238
State Finances Efficiency in Tamil Nadu	242
State Finances Efficiency in Uttar Pradesh	246
State Finances Efficiency in Gujarat	250
Conclusion	254
References	255
15 Economic Philosophy of Deen Dayal Upadhyaya and	
Recent Indian Economic Strategies	L
M.K. Agarwal and Garima Mishra	257-271
Introduction	257
Pradhan Mantri Krishi Samman Nidhi (PM-KISAN)	260
UJJWALA Scheme	263
Ayushmaan Bharat – Pradhan Mantri	
Jan Arogya Yojana (PMJAY)	265
Pradhan Mantri Awas Yojana (PMAY)	267
Conclusion	269
References	270

List of Figures

2.1:	Box-plot of individual indices 2005	30
3.1:	Tourist Multiplier	45
3.2:	The Size and Share of the Cake	45
4.1:	Mortality Rates in Most Populous States of India, 2016	52
4.2:	Mortality Rates in Most Populous States of India, 2019	53
5.1:	Factors Affecting Employment Creation	68
6.1:	Employment Magnitudes in Million	86
8.1:	Market Size of IT Industry in India (in US\$ billion)	135
8.2:	Women in IT Workforce	137
8.3:	Percentage of Female Employees by Career Level	138
9.1:	Sectoral Composition of GDP (At current prices)	155
9.2:	Share of Service Sector Exports in Invisibles and	
	Current Account Exports	157
9.3:	Financing the Merchandise Trade Deficit by	
	Invisibles and Services	158
	Share of Sub-Sectors of Services in Service Sector Exports	159
	Trend of Growth Rate of Key Indicators	160
	Growth Rate of GSDP at Constant (2004-05) Price	184
	Poverty Ratios in India (State-wise)	185
	Wage Distribution by for General and SC/ST category	222
14.1:	Average Gross State Domestic Product (2014-15 to 2018-19)	
	at Constant Prices (Base Year: 2011-12) (in Lakh Crore)	236
14.2:	States' GSDP share in India's GDP at	22.6
	Market Prices (in per cent)	236
14.3:	Trend of Public Debt and Deficit Indicators in Maharashtra	220
	D 1E 1' COODD	239
14.4:	Revenues and Expenditures as per cent of GSDP at Current Prices in Maharashtra	241
115.		
	Interest Payments Burden in Maharashtra (in per cent)	241
14.0:	Trend of Public Debt and Deficit Indicators in Tamil Nadu	242

xx List of Figures

14.7:	Interest Payments Burden in Tamil Nadu (in per cent)	243
	Revenues and Expenditures as per cent of	
	GSDP at Current Prices in Tamil Nadu	245
14.9:	Trend of Public Debt and Deficit Indicators in Uttar Pradesh	246
14.10:	Interest Payments Burden in Uttar Pradesh (in per cent)	247
14.11:	Revenues and Expenditures as per cent of	
	GSDP at current prices in Uttar Pradesh	249
14.12:	Trend of Public Debt and Deficit Indicators in Gujarat	250
14.13:	Interest Payments Burden in Gujarat (in per cent)	251
14.14:	Revenues and Expenditures as per cent of	
	GSDP at Current Prices in Gujarat	253

List of Tables

2.1.	variables; Definition, Source and Goalpost	20
2.2:	Estimation of Per Capita GDP in to ₹ PPP US \$	21
2.3:	Human Development in Uttar Pradesh (three indicators)	25
2.4:	Descriptive Statistics (2015)	26
	Three Indicators based Dimension Indices,	
	Human Development Index and Ranking (2015)	27
2.6:	Atkinson Inequality Coefficients: Descriptive Statistics	30
2.7:	Inequality Adjusted HDI in Uttar Pradesh	31
2.8:	Inequality Adjusted Human	
	Development Index (3 indicators) – 2015	32
3.1:	International Tourist Arrivals and	
	Tourism Receipts by Country of Destination	42
3.2:	Inbound Tourism: Foreign Tourist Arrivals (FTAs), Arrivals	
	of Non- Resident Indians (NRIs) and International	
	Tourist Arrivals (ITAs) 2000-2018 (till June)	43
4.1:	Various Mortality Rates for the Five-year Period	
	preceding the Survey as per Wealth Index,	
	Uttar Pradesh, 2015-16	57
4.2:	Logistic Regression: Association of Wealth Index with	
	Child Health Outcomes in Uttar Pradesh, India	58
4.3:	Association of Wealth Index with Reasons for	50
	Higher Mortality in Uttar Pradesh	59
4.4:	Association of Wealth Index with Indicators of	(0
<i>-</i> 1	Reproductive Health in Uttar Pradesh	60
	Descriptive Statistics of the Variables	74
5.2:	Analysis of Consumer Goods Manufacturing Firms	7.
<i>-</i> 2	Dependent Variable: Size of Employment	75
5.3:	Analysis of Services Sector (Non-financial) Firms	70
<i>(</i> 1	Dependent Variable: Size of Employment	76
6.1:	Projected Employment:	0.5
	Total Estimated Employment (in Millions)	85

6.2:	Growth Rate Computed on the Basis of Organised-Unorganised Sector Relationship	86
63.	Long Run Growth Rate in Employment	00
0.5.	(1983-2009-10): Per cent per year	87
6.4:	Unit Root Test	89
	Co-integration Test	89
	Vector Error Correction Model	90
	Impulse Response Function	90
	Variance Decomposition	91
	Unemployment Rates (%) over 1977-78 to 2009-10	92
	Unemployment Rate (%)	93
	Relative Size of the Informal Sector in Percentages:	
	All-India (2009-10)	95
6.11:	Regression Results for Labour Force Participation Rate:	
	Panel Data Analysis (OLS Results)	96
6.12:	Regression Results for Labour Force Participation Rate: Panel Data Analysis (Fixed Effect and Random Effect Models)	97
7.1:	Average Wage Earnings (₹ per day) Received by Casual	
	Wage Labour of age 15-59 (Rural India) - 2009-10	115
7.2:	MGNREGA: A Household Profile of Job-Seekers	116
7.3:	Gender Empowerment under MGNREGA, Gender-wise	
	Shares in Rural Labour Force and NREG Employment	117
7.4:	Correlation between Gender Empowerment Measure and	
	Related Variables	118
7.5:	MGNREGA Shortfall Indices for Rural Households:	440
	July 2009-June 2010	119
7.6:	MGNREGA Pseudo-shortfall Indices for Rural Households: July 2009 - June 2010.	120
77.	Demand for NREGA Jobs:	120
1.7.	Major Determinants (All India Rural)	122
7 8.	Correlates of NREG Employment	123
	Correlates of NREG Employment (more than 50 days)	124
	Labour Force Participation Rate in India	131
	Workforce Participation Rate by Gender and by Sector	131
	Percentage Distribution of Workers According to	151
0.5.	Broad Employment Status-2011-12	132
8.4:	Share of Women Employment out of	
	Total Employment in Organised Sector in India (%)	132
8.5:	Total Direct and Indirect Employment in	
	IT Sector (Number in millions)	133
	Category wise Distribution of Respondents	139
	Sample Correlation Matrix	161
9.2:	Sample Correlation Matrix	162

9.3:	Unit Root (ADF Test)	162
9.4:	Unit Root (ADF Test)	163
9.5:	Granger Causality Test – Dependent Variable: Services	163
9.6:	Granger Causality Test Dependent – Variable: Services	164
9.7	Share of Services Sector Exports in Invisible and	
	Current Account Exports	168
9.8	Financing the Merchandise Trade Deficit by	
	Invisible and Services	169
9.9	Share of Sub-Sectors in Services Exports	170
	Results of Unit Root Tests	175
	Results of Cointegration Tests	176
	Lag Order Selection	176
10.4:	Directions of Causality in India	176
10.5:	Dataset (logarithmic series) Employed for VECM Analysis	179
10.6:	Summary Statistics	180
	Regional Disparity of Infrastructure	188
	Total Infrastructure Index Ranking	189
11.3:	Top 5 Ranking States	190
11.4:	Total Infrastructure Index Ranking	192
11.5:	Correlation Results	193
11.6:	Results of Random Effects GLS Regression	194
11.7:	Simultaneous Equation Model Results	195
13.1:	Summary Distribution of Variables Used in	
	The Analysis For IHDS-I	223
13.2:	Summary Distribution of Variables Used in the	
	Analysis for IHDS-II	224
13.3:	Blinder-Oaxaca Decomposition Results:	
	After Selectivity Correction	226
13.4:	Details of The Explained and Unexplained Components of	220
	The Blinder-Oaxaca Decomposition (2005)	229
13.5:	Details of the Explained and Unexplained Components of the	220
12 (.	Blinder-Oaxaca Decomposition (2012)	230
13.6.	Blinder- Oaxaca Decomposition Results After Selectivity Correction for Uttar Pradesh	231
1/11.	Growth in Revenues and Expenditures in Maharashtra	231
14.1.	(per cent per annum)	240
1/1 2.	Growth in Revenues and Expenditures in Tamil Nadu	240
14.2.	(per cent per annum)	244
14 3.	Growth in Revenue and Expenditure in	211
1	Uttar Pradesh (per cent per annum)	248
14.4	Growth in Revenues and Expenditures in	0
• • •	Gujarat (per cent per annum)	252
15.1:	Number of Beneficiaries of PM-Kisan Samman Nidhi in India	261

xxiv List of Tables

15.2:	State-wise Registered Beneficiaries under PM-KISAN	
	(Dec 2020-March 2021)	262
15.3:	LPG coverage in India During 2015-2021	263
15.4:	State-wise Number of LPG Connections Released to	
	BPL Families under PMUY in India	264
15.5:	State-wise Number of Beneficiaries under AB-PMJAY in	
	Rural and Urban Areas of India (As on 08.09.2020)	266
15.6:	State-Wise Number of Houses Completed	
	During 2014-2021 under PMAY (as on April, 2021)	268

Our Other Useful Books

- Visual Merchandising and Consumer Behaviour in Shopping Malls: Dr. Ramandeep Bawa, Dr. A.K. Sinha & Dr. Rita Kant
- O Development Issues in Uttar Pradesh: Manoj Kumar Agarwal
- O The Changing Role of Internal Audit Function in Organization: Prem Lal Joshi & Suzan Dsouza
- O Issues in India Sri Lanka Economies: M.K. Aggarwal
- O Tourism and Economic Development in Nepal: Manoj Kumar Agarwal & Rudra Prasad Upadhyay
- उत्तर प्रदेश में विकास योजनाएँ : मनोज कुमार अग्रवाल एवं सधीर कमार निगम
- Agriculture Industry Linkages in the Economy of Uttar Pradesh: Manoj Kumar Agarwal
- Analytical Studies on Accounting & Finance, Corporate Management and Indian Economy: P.K. Ghose
- Economic Environment of India : *K.S. Ramachandran*
- O Sustainable Agriculture: Edited by Amithab Bandopadhyay, K.V. Sundaram, M. Moni, P.S. Kundu & M.M. Jha
- O Panchayati Raj and Empowerment of Women: A.K. Sinha
- Micro Finance for Women: Samirendra Nath Dhar
- O The Silenced Drums (A Review of Tribal Economic Development): *K.G. Karmakar*

- O Bitter to Better Harvest : Chhabilendra Roul
- Ayurveda A Traditional System of Medicine in India: B.G. Banerjee, Kanwar Gurpreet Singh and A.K. Sinha
- O Bio-Social Issues in Health:

 Edited by R.K. Pathak, A.K. Sinha,
 B.G. Banerjee, R.N. Vasishat and
 C.J. Edwin
- O Anthropology and Society –
 Issues and Applications:
 Edited by Indu Talwar,
 Abhik Ghosh, Shalina Mehta,
 Krishan Sharma, Rajan Gaur,
 Kewal Krishan &
 Gayatri Pathmanathan
- O Tobacco Consumption and Maternal Health: A.N. Sharma
- Oncology (Vol. 11): Edited by Major General A.N. Varma
- O Tobacco Counters Health (Vol. 4):

 Edited by

 Major General A.N. Varma
- O Environment, Nutritional Deficiency and its Improvement: *P.D. Tiwari*
- O Nutritional Problems in Rural India: *P.D. Tiwari*
- Rural Poverty and IRDP : Sudip Chakraborty
- O Society & Cancer:

 Reetinder Kaur & A.K. Sinha
- Social Inequality and Health Care : *S.N.M. Kopparty*
- Health for Peace : Suresh Kulkarni

Northern Book Centre



Publishers of Scholarly Reference Books
4221/1, Ansari Road, Daryaganj, New Delhi-110 002
Phones: 23264519, 23271626, 23280295; Fax: 011-23252651
E-mail: nbcnd@bol.net.in, books.nbc1@gmail.com
Website: www.northembook.in



