

## CURRICULUM VITAE

**NAME:** Dr. GURUCHARAN MANNA

**DESIGNATION:** Professor, Institute for Human Development

**DATE OF BIRTH:** 15 March 1957

**PLACE OF BIRTH:** District: Purba Medinipur, State: West Bengal

**NATIONALITY:** Indian

**EDUCATION:** Master of Statistics, Indian Statistical Institute, First Class  
Bachelor of Science, Statistics Honours, First Class  
Higher Secondary, First Division

**PhD:** Received PhD in 2013 for the thesis titled “*Poverty Lines for India: A Re-examination of Calibration and Its Implications for Poverty Estimates*” (Re-visiting the appropriateness of base year and calorie norms traditionally in use and other contentious issues of Indian official Poverty Lines, by using latest NSS data)

**SERVICE:** A former officer of Indian Statistical Service (ISS); Joined the Service in 1980 & superannuated from government service on March 31, 2017 after serving as Director General, Central Statistics Office and In-Charge, Director General & Chief Executive Officer, National Sample Survey Office

**HOME ADDRESS:** Flat No. B-1402, Cloud 9 Towers, Sector 1, Vaishali, Ghaziabad, Uttar Pradesh – 201010

**TELEPHONE NUMBER:** (M): 9560647111

**E-MAIL ADDRESS:** [gc.manna1@gmail.com](mailto:gc.manna1@gmail.com)

## **CURRENT ENGAGEMENTS:**

- Senior adviser at NCAER
- Chairman of:
  - Expert Committee to review the existing methodology of Integrated Sample Survey constituted by the Ministry of Fisheries, Animal Husbandry & Dairying, Government of India
  - Technical Advisory Committee to discuss the details of Baseline Survey on Mission LiFE constituted by the M/o Environment Forest and Climate Change, Government of India
  - Editorial Advisory Board of *Sarvekshana* – the Journal of NSSO
- Member of the Expert Group on Fixation of Minimum Wages and National Floor Wages, M/o Labour and Employment, Government of India

## **PAST ENGAGEMENTS:**

### **A. National Level**

- Member, National Statistical Commission (till Middle of March 2022)
- Chairman, Working Group on NSS 78<sup>th</sup> Round
- Chairman of Technical Advisory Committee (TAC) on Occupational Wage Survey of Labour Bureau, Government of India
- Chairman of the TAC for the Coverage Evaluation Survey Constituted by M/o Health & Family Welfare, Government of India
- Chairman of the Expert Group on Pooling the Data of District Level Household & Facility survey (DLHS-4) and Annual Health Survey (AHS) to Arrive at National Level Aggregates, M/o Health & Family Welfare, Government of India
- Chairman of the Quarterly Review Team to Review the Work Done by ICAR – Indian Agricultural Statistics Research Institute (ICAR-IASRI) for the Period 2011-2016
- Chairman of the Sub-committee of Standing Committee on Industrial Statistics (SCIS) on Sample Design of Annual Survey of Industries to Address the Issues Regarding Due Representation of Units with Less than 100 Workers in the Sample
- Co-Chairman of the Working Group on NSS 77<sup>th</sup> Round
- Members of Working Groups on NSS 75<sup>th</sup> & 76<sup>th</sup> Rounds
- Member of Research Advisory Committee of Indian Agricultural Statistics Research Institute
- Also served as a Member (in the official capacity or otherwise) of the following committees/sub-committees/groups:
  - Both TAC and Sub-committee of the TAC on District Level Health Survey (DLHS-4)
  - Sub-committee on Survey on Measuring Outcomes for Children
  - Committee to Look into the Issue of Underestimation of Population in the National Sample Survey
  - Sub-committee on Investment Constituted by MoS&PI
  - Group for the Conduct of Fourth Census cum Survey of Micro, Small and Medium Enterprises Constituted by M/o MSME
  - Independent Group on Home-based workers Constituted by MoS&PI

- TAC for Gender Development Index and Gender Empowerment Measure Constituted by the Ministry of Women and Child Development, Government of India
- Papola Committee for Revisiting the Classification of Non-agricultural Occupations
- Anwarul Hoda Committee on International Trade in Services Constituted by DGCI&S
- Working Group under the Chairmanship of Saumitra Chaudhuri, Former Member, Planning Commission, for the Base Revision of Index of Industrial Production

## **B. International Level**

- Chaired ILO's Tripartite Meeting of Experts on Labour Statistics on Advancement of Employment and Unemployment Statistics
- Acted as Member of the ILO's Working Group for the Advancement of Employment and Unemployment Statistics
- Acted as Member of the ESCAP's Steering Group for the Regional Programme on Economic Statistics
- Acted as Consultant to ADB during March-August 2009 for the Launching of Integrated Business Enterprise Survey (IBES) in Afghanistan covering almost the whole country with involvement of officials of CSO, Afghanistan. This was an exhaustive full-fledged survey for the first time in the country. I was instrumental in developing the survey methodology, imparting of training, processing of data and writing of the IBES Report.

## **EMPLOYMENT RECORD AND POSITIONS HELD:**

FROM April 2018	TO Date
EMPLOYER:	INSTITUTE FOR HUMAN DEVELOPMENT & NCAER
POSITION HELD:	PROFESSOR, IHD & SENIOR ADVISOR, NCAER

FROM November 2016	TO March 2017
EMPLOYER:	CENTRAL STATISTICS OFFICE (CSO)
POSITION HELD:	DIRECTOR GENERAL

FROM November 2013	TO November 2016
EMPLOYER:	CENTRAL STATISTICS OFFICE
POSITION HELD:	ADDITIONAL DIRECTOR GENERAL

FROM middle of March 2010	TO November 2013
EMPLOYER:	CENTRAL STATISTICS OFFICE
POSITION HELD:	DEPUTY DIRECTOR GENERAL

FROM middle of Aug. 2009	TO middle of March 2010
EMPLOYER:	NATIONAL SAMPLE SURVEY OFFICE (NSSO)
POSITION HELD:	DEPUTY DIRECTOR GENERAL

FROM middle of March 2009 TO middle of August 2009

EMPLOYER:	ASIAN DEVELOPMENT BANK
POSITION HELD:	CONSULTANT
FROM July 2006	TO middle of March 2009
EMPLOYER:	NATIONAL SAMPLE SURVEY OFFICE
POSITION HELD:	DEPUTY DIRECTOR GENERAL
FROM middle of 2001	TO July 2006
EMPLOYER:	NATIONAL SAMPLE SURVEY OFFICE
POSITION HELD:	DIRECTOR
FROM middle of 2000	TO middle of 2001
EMPLOYER:	NATIONAL STATISTICAL COMMISSION
POSITION HELD:	DIRECTOR
FROM middle of 1999	TO middle of 2000
EMPLOYER:	CENTRAL STATISTICS OFFICE
POSITION HELD:	DIRECTOR
FROM 1984	TO 1999
EMPLOYER:	NATIONAL SAMPLE SURVEY OFFICE
POSITION HELD:	DIRECTOR, JOINT/DEPUTY DIRECTOR
FROM 1982	TO 1984
EMPLOYER:	DIRECTORATE GENERAL OF COMMERCIAL INTELLIGENCE AND STATISTICS
POSITION HELD:	ASSISTANT DIRECTOR
FROM 1980	TO 1982
EMPLOYER:	CENTRAL STATISTICS OFFICE
POSITION HELD:	INDIAN STATISTICAL SERVICE PROBATIONER

**DETAILED TASKS PERFORMED:**

Currently, I am associated with two institutes namely, Institute for Human Development (as Professor since April, 2018) and NCAER (as Senior Advisor since May, 2018).

Since June 2016 and till March 2017 before superannuation from government service, I handled the responsibilities of Director General, CSO and NSSO, Ministry of Statistics & Programme Implementation (MoSPI), Govt. of India.

Since mid November 2013 till May 2016, as Additional Director General, I coordinated and supervised various activities of the Economic Statistics Division and National Accounts Division of Central Statistics Office (CSO). The work included compilation/release of many important statistical products that included publications on Annual Survey of Industries, Energy Statistics & Infrastructure Statistics, monthly press releases on All-India Index of Industrial Production, compilation of Index of Service

Production, conduct of Economic Census (EC) and release of results/all-India report based on EC as well as release of National Accounts Statistics.

From the middle of September 2012 till middle of November 2013, I worked in the National Accounts Division of Central Statistics Office (CSO). My job was to supervise the work relating to (a) assessment of the contribution of public sector enterprises in the country's GDP and other aggregates and (b) estimation of Private Financial Consumer Expenditure as per the commodity flow approach.

Since middle of March 2010 till middle of September 2012 I worked as Deputy Director General (DDG) in the Economic Statistics Division (ESD) of CSO. As DDG (ESD), my responsibility was to guide all the junior officers of this division in bringing out various publications dealing with economic statistics dealt by this division, in the conduct of periodic economic censuses, and in the periodic compilation and release of Index of Industrial Production and Index of Service Production. Major activities/publications of this division included the following:

*Economic Censuses (Sixth Economic Census for the present)*

*Technical coordination of the work on Annual Survey of Industries*

*Index of Industrial Production*

*Index of Service Production*

*Manual and Publications on Infrastructure Statistics*

*Energy Statistics*

*National Classification of Economic Activities and Product Classifications*

During July 2006 to middle of March 2010 excluding five-month period (middle of March 2009 to mid August 2009 when I acted as a Consultant to ADB), I served as the DDG in the Survey Design and Research Division (SDRD) of National Sample Survey Office (NSSO). I was fully responsible for the formulation of sample designs and estimation procedures for various national level household and establishment surveys conducted by the NSSO, Government of India. I also provided advice to senior officers in preparing schedules of enquiry, instruction manuals, data validation programmes, tabulation plans and survey reports. In the capacity of DDG, I was also in charge of the methodological unit of SDRD, which takes up various post-survey evaluation exercises. As mentioned, during middle of March 2009 to mid August 2009, I acted as a Consultant to ADB for launching Integrated Business Enterprise Survey (IBES) in Afghanistan. I was instrumental in the development of the survey methodology for the IBES that included preparation of survey schedules, instructions manual, data validation rules, and tabulation plan. The field personnel of CSO, Afghanistan were trained before they went for data collection. I also drafted the report based on the IBES.

During 2001-06, as Director in the Coordination and Publication Division of NSSO, I was responsible for interacting with other divisions of NSSO in planning and execution of the various survey activities as per the prescribed time schedule.

During 2000-01, in the capacity of Director, I served the Secretariat of the National Statistical Commission (NSC). The NSC was constituted under the Chairmanship of Dr. C. Rangarajan, the then Hon'ble Governor, Andhra Pradesh, India, to review the Indian

Statistical System, that is, to identify the deficiencies and suggest remedial measures for revamping the System.

During 1999-2000, I was Director of the Economic Census Division of CSO. The main responsibility was to prepare the data validation programmes and survey reports based on the Establishment Surveys.

For 15 years (1984-99), in various capacities namely, Director, Joint Director and Deputy Director, I worked in the Survey Design & Research Division (SDRD) of NSSO. During this period, I was responsible for the following tasks:

- *Drafting sample designs for various household and establishment surveys at the national level conducted by the NSSO (household surveys included surveys on consumption expenditure, labor force, land and livestock holdings, situation assessment surveys of farmers, housing condition, urban slums, disability, social consumption, etc. and establishment surveys included surveys on manufacture, trade and other services) and related activities as under:*
- *Preparing the technical note for selection of sampling units;*
- *Developing estimation procedures;*
- *Drafting survey questionnaires and tabulation plans;*
- *Preparing instructions for the field workers;*
- *Drafting data validation checkpoints;*
- *Analyzing the data/survey estimates; and*
- *Drafting National Sample Survey (NSS) reports.*

In 1984, I worked as Deputy Director in the Data Processing Division of NSSO; and during 1982-1984, I was Assistant Director in the Directorate General of Commercial Intelligence & Statistics in the Ministry of Commerce. During my posting in the Ministry of Commerce, I supervised the work relating to compilation and publication of foreign trade statistics (import).

#### **MAJOR TRAININGS / WORKSHOPS ATTENDED:**

- (a) Second training workshop on the conduct of establishment surveys organized by SIAP at Tokyo – Received Director's Prize for the best participant
- (b) In-service training on Small Area Estimation techniques at the Indian Agricultural Statistics Research Institute, New Delhi
- (c) In-service training on the concepts and methodological issues regarding measurement of poverty organized by National Institute of Rural Development, Hyderabad, India
- (d) Conferences of Central and State Statistical Organizations
- (e) Participated in various seminars organized by the NSSO and also contributed papers based on NSS data in some of these seminars

- (f) Seminar on mainstreaming Time Use Surveys organized at Goa (India) during May 2007 by Ministry of Women and Child Development, Government of India
- (g) Workshop (2007) on collecting reliable income data of farmers arranged by FAO at Bangkok – Also presented a paper
- (h) Workshop on the conduct of survey on informal sector arranged by ADB at Manila during May 2008 – Participated as a resource person and also presented a paper
- (i) Workshop on the status of agricultural and industrial statistics in India organized jointly by Indira Gandhi Institute of Development Research and Economic and Political Weekly Research Foundation, Mumbai (India) during May 2008 – Presented a paper
- (j) Participated in some of the meetings of the Delhi Group on Informal Sector held at New Delhi and contributed technical papers.
- (k) Participated in the 25<sup>th</sup> Meeting of the Voorburg Group on Services Statistics at Vienna in September 2010
- (l) Attended refresher course for In-service senior officers on Management-Module IV, organized by Indian Institute of Management, Lucknow during November – December 2010
- (m) Participated as a Member in the second and third meetings of the ILO's Working Group on Advancement of Employment and Unemployment Statistics held at Geneva during October 2011 and September 2012 respectively
- (n) Participated in the 19<sup>th</sup> International Conference of Labour Statisticians held at Geneva in October 2013

#### **SOME PAPERS / PUBLICATIONS TO MY CREDIT:**

1. Improving the Indian Statistical System: Some Suggestions; Commemorative volume 1; Special Publication (June 1998) on the occasion of Golden Jubilee of Indian Independence brought out by Department of Statistics, Government of India
2. A Study of Discrepancies in the Number of Trading Enterprises as Obtained from the 1990 Economic Census and the 1990-91 Follow-up Survey – Some Suggestions for Re-engineering of Economic Census; *Staff Papers, CSO*; 2<sup>nd</sup> Issue (2000)
3. An Integrated Summary of NSS Fifty-Fifth Round (July 1999 – June 2000) Consumer Expenditure Survey Results; *Sarvekshana*; 86<sup>th</sup> Issue (April – September 2001)
4. An Integrated Summary of Employment and Unemployment Survey Results, NSS Fifty-Fifth Round (July 1999 – June 2000); Co-authored Article; *Sarvekshana*; 87<sup>th</sup> Issue (October 2001 – March 2002)

5. Enlarging the Scope of Annual Survey of Industries; *Economic and Political Weekly; Vol. XXXIX, No. 48, November 27, 2004*
6. Relative Efficiency of the Un-stratified PPSWR Design over the Stratified SRS Design in the Context of Selection of Villages in the National Sample Survey (*Presented in the meeting of the then Governing Council of NSSO as a technical note for deciding the appropriate sample design for NSS 61<sup>st</sup> round*)
7. On the Reliability of Selected Indicators of Morbidity and Health Care As Estimated from NSS 60<sup>th</sup> Round Survey (Paper presented in the seminar (2006) arranged by NSSO)
8. A Study on the Precision of the Estimated Number of Workers and Gross Value Added per Worker for the Unorganized Manufacturing Sector, *Sarvekshana; 90<sup>th</sup> Issue (December 2006)*
9. Workforce Engaged in the Services Sector: A Study on the Divergences in the Estimates Based on Household and Enterprise Enquiries as per the NSS 57<sup>th</sup> Round, *Sarvekshana; 90<sup>th</sup> Issue (December 2006)*
10. Re-engineering the Annual Survey of Industries to Improve the Database for the Organized Sector (Published by the Ministry of Statistics and Programme Implementation in a publication containing seminar papers presented by the officers of Indian Statistical Service)
11. The Level of Living of Farmers as Compared to the General Population: A Comparative Analysis based on NSS 59<sup>th</sup> Round Survey (Presented in a seminar arranged by NSSO)
12. On the Linkage between Employment in the Informal Sector and Poverty: The Indian Experience (Article presented in the ninth meeting of the Delhi Group on Informal Sector Statistics)
13. Evaluation of Informal Sector Survey Results: The Indian Experience (Paper presented in the meeting of the Delhi Group)
14. Sampling Frames and Designs for Mixed Household and Enterprise Surveys (Paper prepared for the Delhi Group Meeting)
15. Efforts and Methodology Adopted by NSSO for Related Household Surveys (A Paper prepared for the WHO's workshop at Delhi (2007) on Estimation of Malaria Disease Burden in India)
16. NSS Experience on the Pilot Survey on Non-Profit Institutions Serving Households, *Sarvekshana, 91<sup>st</sup> Issue, Volume XXVII, No. 1 & 2, July 2007*
17. Divergences in the Alternative Estimates of Number of Households Engaged in Agricultural Production: An Experience from NSS 59<sup>th</sup> Round, Co-authored Article; *Sarvekshana, 92<sup>nd</sup> Issue, Volume XXVII, No. 3 & 4, December 2007*
18. On Calibrating the Poverty Line for Poverty Estimation in India, *Economic and Political Weekly; Vol. XLII, No.30, July 28, 2007*
19. Precision of Estimates of Gross Value Added Per Worker, *Economic and Political Weekly; Vol. XLII, No.37, September 15-21, 2007*



20. Formulating Appropriate Survey Methodologies to Collect Reliable Income Data on Farmers: Challenges and Plausible Ways and Means (*Paper presented in a seminar (2007) organized by FAO at Bangkok*)
21. What Does the Recent Indian Consumption Behaviour Tell? *Economic and Political Weekly; Vol. XLIV, No.32, August 8, 2009*
22. Experiences of the Survey on Unorganized Manufacturing Sector, NSS 62<sup>nd</sup> Round, 2005-06; Co-authored Article; *Sarvekshana, 96<sup>th</sup> Issue, Volume XXIX, No. 3 & 4, December 2009*
23. A Study of Divergences in the Estimates of Number of Establishments and Workers Engaged in the Services Sector in India as per NSS 63<sup>rd</sup> Round and Economic Census 2005 (Prepared as one of the co-authors and presented in the seminar on NSS 63<sup>rd</sup> Round)
24. Current Status of Industrial Statistics in India: Strengths and Weaknesses, *Economic and Political Weekly; Vol. XLV, No.46, November 13, 2010*
25. Observed Fluctuations in the Gross Value Added in ASI (Annual Survey of Industries) for Recent Years and Reasons Thereof (a paper co-authored with others), *The Journal of Industrial Statistics, Volume 1, Number 1, March 2012*
26. On Some Contentious Issues of the New Poverty Line, *Economic and Political Weekly; Vol. XLVII, No.15, April 2012*
27. Fluctuations in ASI Data – An Empirical Study from ASI Panel Data (a paper co-authored with others), *The Journal of Industrial Statistics, Volume 1, Number 2, September 2012*
28. Value Added by the Services Sector in India: A Comparative Analysis Based on NSS 63<sup>rd</sup> Round Survey and National Accounts Statistics; Co-authored Article; *Sarvekshana, 97<sup>th</sup> Issue, December 2012*
29. A Study of Cross-validation of Growth Rates of Industrial Production Based on IIP and ASI for Some Important Item Groups, *The Journal of Industrial Statistics, Volume 2, Number 1, March 2013*
30. Towards Meeting the Data Requirements at Sub-State Level from the NSS, *Sarvekshana, 98<sup>th</sup> Issue*
31. Labour and Employment Statistics in India: Policy Requirements, Major Data Sources, Key Findings, Issues and Challenges; Paper presented at Vigyan Bhawan, Delhi on the occasion of celebration of 7<sup>th</sup> Statistics Day on 29 June 2013
32. Prepared a divisional paper (2013) regarding the Impact of Revised Rates and Ratios pertaining to manufactured items and services sector, derived based on latest surveys, on the overall official estimate of Private Final consumption Expenditure
33. Delivered a talk in an NCAER Symposium in November 2013 and subsequently contributed an article on the topic “National Sample Surveys: Scope, Methods and their Evolution”

34. Co-authored the Theme Paper on Services Sector Statistics for the 8<sup>th</sup> Statistics Day celebrated on 29 June 2014
35. Delivered a talk in a seminar at IIT, Mumbai and contributed an article on “Data on Manufacturing Sector: Current Status and Challenges” in the Book published in 2014 by Routledge
36. Exploring an Alternative Index of Industrial Production; *The Journal of Industrial Statistics, Volume 4, Number 2, September 2015*
37. Surveys on Employment-Unemployment by the NSSO and Labour Bureau: Emerging Issues and Way Forward Towards Developing an Integrated Database; *Sarvekshana, 100<sup>th</sup> Issue, 2016*
38. An Investigation into Some Contentious Issues of GDP Estimation; Paper presented (January 2017) in the Symposium on GDP Estimation arranged by the Indian School of Political Economy
39. Disparity across States in the Level of Income, Income Inequality and Proportion of Poor among Agricultural Households in India; Paper presented in the seminar on NSS 70<sup>th</sup> and 71<sup>st</sup> Rounds
40. A Study on the Likely Magnitude of Bias in the Estimates of Gross State Domestic Product for the Private Corporate Segment of Manufacturing Sector as per the New Methodology presented in January 2017 in the symposium organized by Indian School of Political Economy
41. Differences in Educational Pattern and Inequality in the Educational Expenditure across Various States and Union Territories – a paper (co-authored) presented in the seminar on NSS 71<sup>st</sup> and 72<sup>nd</sup> rounds organized by NSSO in August, 2018
42. A Study of Post Survey Evaluation of Sample Design of NSS 67<sup>th</sup> Round: Scope for Further Refinements in Future Surveys; *Sarvekshana, 105<sup>th</sup> Issue, 2018*
43. An Investigation into Data Quality Aspects of Annual Survey of Industries and Index of Industrial Production; IAPQR Transactions; Journal of The Indian Association for Productivity, Quality and Reliability; Volume 44, Number 1, 2019-2020
44. On the Adequacy of the Quarterly Periodic Labour Force Survey: What Do the Latest Estimates Reveal? *Economic and Political Weekly; Vol. LVII, No.17, April 2022*
45. Impact of Covid-19 on Employment and Earnings of the Indian Workforce: An Analysis from the PLFS Data, A co-authored article presented in the 63<sup>rd</sup> ISLE Conference, Itanagar held during 1-3 March, 2023
46. An Avoidable Controversy Over Sample Surveys; Article published in The Hindu on July 25, 2023
47. Exploring Alternative Stratification Variables for Sampling of Households in the PLFS; A Co-authored Article; *Economic and Political Weekly; Vol. LVIII, Issue No.35, September 2023*

48. Change in the Employment-Unemployment Situation: Analysis Based on Panel Data; A Co-authored Article; *Economic and Political Weekly*; Vol. LVIII, Issue No.40, October 2023
49. A New Methodology with Some Issues; Op-ed on the New Household Consumption Expenditure Survey published in The Hindu on April 9, 2024

#### CERTIFICATION

I certify that, to the best of my knowledge, this bio-data correctly describes myself, my qualifications and my experience.

Signature: 

Name: GURUCHARAN MANNA  
June, 2024