

Supported by
Indian Council of Social Science Research

National Conference
Towards Industrial Transformation of India:
Building an Inclusive, Sustainable, and Competitive Manufacturing Sector
to Realize the 2047 Vision

4-6 October 2023
ISID Campus, 4 Vasant Kunj Institutional Area, New Delhi-110070

Tentative Programme

Day 1: 4 October 2023

10.00-10.30	Registration and Coffee	Location
10.30-11.15	1. Inaugural Session Welcome Remarks by Prof Nagesh Kumar , Director, ISID Keynote Address: Dr Arvind Virmani , Member, NITI Aayog, Government of India Inaugural Address: Hon'ble Shri Som Prakash , Minister of State for Commerce and Industries, Government of India* Chairman's Closing Remarks: Shri S.K. Misra , Chairman, ISID	Auditorium
11.15-11.30	Tea Break	C-1
11.30-13.00	Plenary Session 2: High-Level Policy Roundtable on Industrial Strategy for Realizing the Vision@2047 Chair: Prof Deepak Nayyar , former Vice-Chancellor, University of Delhi and former Chief Economic Adviser to the Govt of India Presenters Prof Nagesh Kumar , Director, ISID Mr Rajeev Singh Thakur , Additional Secretary, DPIIT, Ministry of Commerce and Industry, Govt of India Distinguished Panellists Mr Ajay Shankar , Former Industry Secretary, Govt of India Mr Anil Khaitan , Chairman, Sunil Health Care Ltd. and Past President of PHDCCI Dr Sudipto Mundle , Chairman, Centre for Development Studies, Trivandrum; Member, 14 th Finance Commission Open Discussion	Auditorium

13.00-14.00	Lunch	C-1 Hall	
14.00-15.30	3. Technical Sessions		
Venue: Conference Hall-1	Venue: Meeting Room-2	Venue: Conference Hall-3	
<p>3.1. FDI, Innovation and Spillovers</p> <p><i>Chair: Prof Pulin Nayak, Formerly DSE & ISID Board</i></p> <p>Discussants: Prof Vinish Kathuria, IIT-Bombay. Dr Ram Upendra Das, Centre for Regional Trade, New Delhi.</p> <ol style="list-style-type: none"> <i>Analysis of Spillover Effects of Foreign Direct Investment in Indian Manufacturing Industries using Malmquist Index</i>, K.V. Bhanu Murthy, Delhi Technological University, Deepa Saran, Department of Business Economics, University of Delhi, & Meghna Malhotra, Hans Raj College, DU <i>Relationship between Foreign Direct Investment, Political and Human capital factors: Implications on inequality and environment</i>, Pooja Sharma, Daulat Ram College, University of Delhi, Priya Bhalla, Motilal Nehru College, University of Delhi, and Sunita Gupta, Daulat Ram College, Delhi University <i>Does Foreign Direct Investment in Research and Development stimulate innovation output? A firm level analysis</i>, Ruchi Sharma and Ruchita Sharma, IIT, Indore <i>Foreign Direct Investment and Export Dynamics in India: Unveiling the role of brownfield and greenfield investments</i>, Anjali Sreekumar and M. Padmaja, NIT, Trichy. <i>A Study of Internationalization Patterns in Indian Textile Born Global Firms</i> M. Srividhya and CT Vidya, CESS, Hyderabad. 	<p>3.2. Green Goods, Technology and Investment</p> <p><i>Chair: Prof T C Anant, former Chief Statistician of India</i></p> <p>Discussants: Prof Yamini Gupta, Dept of Business Economics, DU-SDC. Prof Shahid Ahmad, JMI, New Delhi.</p> <ol style="list-style-type: none"> <i>Decoupling between Industrial Growth and Carbon Emission: Evidence from India's Core Industries</i>, Nivaj Gogoi and Farah Hussain, Tezpur University. <i>Estimating carbon emission intensity of energy-intensive firms: a firm-level analysis</i>, Muralli Kallummal, Aishwary Kant Gupta, Simran Khosla, Centre for WTO Studies, IIFT, New Delhi. <i>Green Goods and Industrial and trade policy - Analysing International Trade in Green Goods: A Special Reference to the Case of India</i>, Saon Ray and Smita Miglani, ICRIER, New Delhi. <i>Reviving the north-south divide framework in technology transfer: The case of green technology</i>, Rugmini Devi M and Jeffin Thomas Mammen, University of Kerala. <i>FDI and Environmental Degradation in BRICS Nations: With a focus on India</i>, Sovik Mukherjee, St. Xavier's University. 	<p>3.3. MSMEs: Performance and Challenges</p> <p><i>Chair: Prof Padmini Swaminathan, MIDS, Chennai</i></p> <p>Discussants: Prof Dibyendu Maiti, Delhi School of Economics. Dr Sangeeta Ghosh, ISID, New Delhi.</p> <ol style="list-style-type: none"> <i>Challenges and Opportunities of Micro Small Medium Enterprises in India</i>, Satyam Bharti, Ministry of Labour and Employment, Govt. of India. <i>Technical efficiency of MSMEs in India: Do size, age and location matter?</i> Puja Priyadarsini Sahoo & K. Narayanan, IIT Bombay, Mumbai. <i>Do Domestic Firms require more Financial Access than Foreign-owned Firms? Evidence from MSMEs across Developing Countries</i>, Akhilesh K. Sharma, ISID; Durairaj Kumarasamy, Manav Rachna International Institute of Research and Studies, Faridabad; and Prakash Singh, Goa Institute of Management, Goa. <i>Credit Market Structures in India for Micro Enterprises: Issues and Challenges</i>, Dinesh Kumar, Centre for WTO Studies, IIFT, New Delhi and Ramaa Arun Kumar, ISID, New Delhi. <i>Decomposing the Caste Divide in Formal Credit for Unorganised Enterprises: Insights from Indian Enterprise Surveys</i>, K Vidyarani, & T Maheshkumar, CDS 	
15.30-16.00	Tea break	C-1 Hall	

16.00-17.30	<p>Plenary Session 4: Policy Roundtable on Sustainable and Green Industrialization: Challenges and Opportunities for India</p> <p><i>Chair:</i> Dr Nitin Desai, Chairman, TERI and former Under-Secretary General of the United Nations</p> <p><i>Speakers</i> Dr Arunabha Ghosh, CEO, CEEW Mr Rupark Sarswat, CEO, India Glycols Ltd. Dr Laveesh Bhandari, President, CESP (formerly Brookings India) Mr Chandra Bhushan, President & CEO, International Forum for Environment, Sustainability and Technology (iFOREST) Mr Shikhar Jain, Executive Director (Sustainability), CII</p> <p><i>Briefings by Development Partners</i> Embassy of Sweden, Clean Energy Transition Partnership Ms Ulrike Reviere, Country Director, GIZ India World Bank UNDP India</p> <p>Open Discussion</p>	Auditorium
19.00	Reception/ Dinner	C-1 Hall

Day 2: 5 October 2023

09.30-11.00	5. Technical Sessions	
Venue: Conference Hall-1	Venue: Meeting Room-2	Venue: Conference Hall-3
<p>5.1. Trade, Technology, and Industrialisation</p> <p><i>Chair:</i> Prof Sachin Chaturvedi, DG-RIS, New Delhi</p> <p><i>Discussants</i> Prof Suma Athreye, IIT-Delhi Dr Satyaki Roy, ISID, New Delhi</p> <ol style="list-style-type: none"> <i>Why is Labour Receiving a Declining Share of Income in India? Role of Trade, Technology, and Market Share Reallocation</i> C. Veeramani and Anwasha Basu, CDS, Trivandrum. <i>Productivity, Investment Slowdown and Misallocation: Evidence from Indian Manufacturing</i>, Sarthak Basu, Subash Sasidharan, IIT Madras. <i>Assessment of Possible Economic Alignment between G20 Nations with Special focus on India, G7</i> 	<p>5.2. Growth and Productivity in Indian Manufacturing</p> <p><i>Chair:</i> Prof K.L. Krishna, CDE/DSE</p> <p><i>Discussants</i> Prof Suresh Agarwal, DU Dr R Rijesh, ISID, New Delhi</p> <ol style="list-style-type: none"> <i>Trade Liberalisation and Productivity Growth in Indian Manufacturing Industry: Role of Resource Allocation and Catching-up</i>, M. Parameswaran, CDS, Trivandrum. <i>Determinants of Productivity Growth of Industry and Services Sectors of the Indian Economy in the Wake of Climate Change</i>, Niti Khandelwal Garg, Kirori Mal College, University of Delhi and Pami Dua, Delhi School of Economics. 	<p>5.3. Towards Sustainability: Renewables, critical minerals and circular economy</p> <p><i>Chair:</i> Prof. Amit Shovan Ray, JNU, New Delhi.</p> <p><i>Discussants</i> Prof Nitya Nanda, Director, CSD, New Delhi Dr Anjali Tandon, ISID, New Delhi</p> <ol style="list-style-type: none"> <i>Circularity of Critical Raw Materials: A Step Towards India's Net-zero Targets 2070</i>, Anjali Singh and Thirumalai N C, Center for Study of Science, Technology and Policy (CSTEP). <i>Sustainability and Green Industrialization: A case of Indian Solar PV (Photovoltaic) Technological Innovation System</i>, Akoijam Amitkumar Singh, University of Delhi.

<p><i>and G12 Nations: A General Equilibrium Analysis</i>, Archana Srivastava, Somesh Kumar Mathur, Rachna Mathur & Prabir De, IIT Kanpur.</p> <p>4. <i>Understanding the Growth Dynamics of Investment and Rate of Profit in India's Organized Manufacturing Sector</i>, L.T. Abhinav Surya and P.L. Beena, CDS, Trivandrum.</p> <p>5. <i>Factor augmenting technology and elasticities of factor substitution in production structure: A study on Indian industries</i>, Swapan Chakraborty, St. Xavier's University, Kolkata.</p>	<p>3. <i>Bankruptcy Reform and its Implication on the Economy: Evidence from a Quasi-Natural Experiment</i>, Harish Kamal, IIM Calcutta, Kolkata.</p> <p>4. <i>Ease of Doing Business and Firm Productivity - Evidence from Indian Industries and States</i>, Neha Jain, Sugandha Huria and Geeta Tiwari, IIFT, New Delhi.</p> <p>5. <i>Output and Employment Growth Experiences of the Manufacturing Sector in India</i>, S. Geetha, St. Xavier's College, Palayamkottai.</p>	<p>3. <i>A Global Assessment of Green Hydrogen Value Chain: Synthesizing Policy Learnings</i>, Jatin Mathur, IIT, Delhi & National Economic Forum.</p> <p>4. <i>Nudging Circular Economy in Indian Industry: An Evaluation using ICRIER 'Sampada' WSUT Model</i>, Amrita Goldar, Sajal Jain, Ritika Verma and Esha Agrawal, ICRIER, New Delhi.</p> <p>5. <i>Trends and patterns of ZED certified MSMEs: a sectoral and states level analysis</i>, Parag Gupta and S Subramanian, Christ University, Bengaluru.</p>
11.00-11.30	Tea Break	
11.30-13.00	<p>Plenary Session 6: Policy Roundtable on Leveraging Innovation and Industry 4.0 for India's Industrial Transformation</p> <p><i>Chair: Dr Akhilesh Gupta</i>, Senior Adviser, Department of Science & Technology, Govt. of India</p> <p><i>Speakers:</i> Mr Dilip Sawhney, MD, Rockwell Automation I. Pvt. Ltd. Ms Debjani Ghosh, President, NASSCOM Ms Kavita Bhatia, Scientist G and Group Coordinator, MEITY Prof Rajat Kathuria, Shiv Nadar University Mr Parminder Jeet Singh, Internet for Change, Bangalore Prof Vinish Kathuria, IIT Bombay Ms Shraddha Srikant, UNIDO India</p> <p>Open discussion</p>	
13.00-14.00	Lunch	
14.00-15.30	7. Technical Sessions	
Venue: Conference Hall-1	Venue: Meeting Room-2	Venue: Conference Hall-3
<p>7.1. FDI, Trade and Global Value Chains</p> <p><i>Chair: Prof Praveen Jha</i>, JNU, New Delhi.</p> <p><i>Discussants</i> Prof Aradhna Aggarwal, Copenhagen Business School. Prof Khan Masood Ahmed, JMI</p> <p>1. <i>Revitalizing Global Value Chains through Sectoral Trade Agreements: Insights from CGE analysis for automobile</i></p>	<p>7.2. Industrial Structure and Employment Issues</p> <p><i>Chair: Prof Ravi Srivastava</i>, IHD</p> <p><i>Discussants</i> Prof Surajit Majumdar, JNU, New Delhi. Prof Jayan Jose Thomas, IIT-Delhi.</p> <p>1. <i>Changing Industrial Structure and Non-Farm Self-Employment in India</i>, Basit Abdullah, Centre for</p>	<p>7.3. Sectoral Dimensions of Manufacturing</p> <p><i>Chair: Prof B.N. Goldar</i>, Institute of Economic growth, New Delhi.</p> <p><i>Discussants</i> Prof S K Mohanty, RIS, New Delhi Dr Shailender K Hooda, ISID, New Delhi</p> <p>1. <i>Indian Pharmaceutical Industry: Trade and Competitiveness</i>, Anu</p>

<p><i>industry</i>, Himanshu Jaiswal and A. Ganesh Kumar, IGIDR</p> <p>2. <i>The Impact of Foreign Direct Investment on Global Value Chain Participation in High Technology Industries: An Empirical Analysis of India and G20 Economies</i>, Melvin Vincent and Joseph T.J. Central University of Kerala, Kasaragod.</p> <p>3. <i>Do Foreign Trade Agreements Facilitate Global Value Chain Participation? Evidence from India</i>, Saon Ray, ICRIER, and Piyali Majumder, NCAER</p> <p>4. <i>Innovation Dynamics in Emerging Economies: An empirical study of global value chains and Indian manufacturing industries</i>, Rahul & Sakshi Sharma, Jawaharlal Nehru University.</p> <p>5. <i>Private and Social Welfare Implications of Buyer Power and Vertical Mergers in Supply Chain Competition</i>, Srishti Gupta, St. Stephens College, Delhi University.</p>	<p>Development Studies (CDS), Thiruvananthapuram.</p> <p>2. <i>Whither India's SHG-led Enterprises? Status and Bottlenecks of Developing NRLM SHGs into Business Enterprises</i>, Ruchira Bhattacharya, National Institute of Rural Development and Panchayati Raj-Delhi Branch.</p> <p>3. <i>Scenario of Employment Creation under Pradhan Mantri Employment Generation Programme: A Zonal Study of India</i>, Kanchan Srivastava, University of Lucknow.</p> <p>4. <i>Trend and Pattern of Deindustrialisation of Sugar Industry in Bihar: A Regional Imbalance</i>, Aditi Central University of South Bihar, Gaya.</p> <p>5. <i>Effect of Enforcement of Labour Regulations on the Provision of On-The-Job Training by firms</i>, Sandeep Yadav, IGIDR, Mumbai</p>	<p>& Devinder Singh Hooda, Indira Gandhi University, Haryana.</p> <p>2. <i>Investment Pattern and Sources of Finance in the Handloom and Powerloom Units in Uttar Pradesh</i>, Santosh Kumar, Ministry of Commerce, Govt. of India, Seema Bhatthla & Amaresh Dubey, CSRD, JNU, New Delhi.</p> <p>3. <i>India's Capital Goods Sector: An Evaluation of the Domestic Value Addition Performances</i>, Swathysree S.S., O P Jindal Global University.</p> <p>4. <i>Medical Devices industry in India- What India manufactures?</i> Saumaly Ghosh. JNU, New Delhi.</p> <p>5. <i>Impact of Closed Textile Mills on Indian Economy</i>, Ravindra Kumar, Deepika Devi, Sivasankar. V, Pondicherry University.</p>
15.30-16.00	Tea Break	
16.00-17.30	<p>Plenary Session 8: Policy Roundtable on FDI, Trade and India's Integration with GVCs</p> <p><i>Chair:</i> Prof Nagesh Kumar, Director, ISID</p> <p><i>Speakers:</i> Prof C. Veeramani, Director, CDS, Trivandrum Dr Pravakar Sahoo, Senior Lead, NITI Aayog Mr Sumanta Chaudhuri, Principal Adviser International Trade Policy, CII Dr B.N. Satpathy, Office of PSA, Government of India Mr Ajay Srivastava, Founder, Global Trade Research Initiative Prof Aradhna Aggarwal, Copenhagen Business School</p> <p>Open Discussion</p>	
19.30	Dinner	

Day 3: 6 October 2023

9.30-11.00	9. Technical Sessions		
Venue: Conference Hall-1	Venue: Meeting Room-2	Venue: Conference Hall-3	
<p>9.1. Technology and Innovation</p> <p><i>Chair:</i> Prof Manmohan Agarwal, ISID</p> <p><i>Discussants</i> Prof Aparna Sawhney, JNU, New Delhi Dr K Seenaiyah, ISID, New Delhi</p> <ol style="list-style-type: none"> <i>Innovation System, Value Added Trap and Developing Economies: Examining a Traditional Manufacturing Cluster from India</i>, Swati Mehta, Guru Nanak Dev University, Amritsar. <i>ICT Adoption and Factor Productivity of Manufacturing Firms in India</i>, Vikash Gautam and Niharika, Koan Advisory Group, New Delhi. <i>Does Import Competition Spur Firms' Innovation Behavior: Evidence From Indian Manufacturing</i>, Hariom, Ruchi Sharma, IIT Indore. <i>Zombie Firms and their impact on Innovation: An Industry-level Empirical Analysis of the Indian Economy</i>, Ranu Jain, IIFT, New Delhi. <i>Does FDI Spillovers Generate Innovation? The Catalytical Role of R&D Intensity and Geographical Cluster</i>, Pompei Chetia, IIT, Ropar 	<p>9.2. OFDI, Government Support and Firm Performance</p> <p><i>Chair:</i> Prof Aditya Bhattacharjee, Formerly DSE, New Delhi</p> <p><i>Discussants</i> Dr Reji K Joseph, ISID, New Delhi. Dr Isha Chawla, ISID, New Delhi</p> <ol style="list-style-type: none"> <i>COVID-19, Government Support and Firm Productivity: A Tale of Two Industries</i>, Vinish Kathuria and Rajesh Raj Natarajan, IIT, Bombay <i>Economic Upgrading of Firms: A Study of the Indian Textile and Clothing Industry</i>, Srija Mitra and C.T. Vidya Centre for Economic and Social Studies, Hyderabad. <i>Impact of Termination of India's Bilateral Investment Treaties on Outward Foreign Direct Investment</i>, Bishwanath Goldar, Institute of Economic Growth, Delhi, Yashobanta Parida, Flame University, Pune & Anindita Goldar, PGDAV College, University of Delhi. <i>Outward FDI and Its Impact on The Parent Firm: A case of Indian manufacturing firms</i>, Amal Krishnan and Padmaja M. NIT, Trichy Emerging Trends and Macroeconomic Determinants of Outward FDI from India- Some new facts and evidence, Pooja Khanna, Daulat Ram College, Delhi University. 	<p>9.3. Meeting of the Core Group on extended network on industrial development</p>	
11.00-11.30	Tea Break		

11.30-13.00	Plenary Session 10: Plenary Session on Unlocking the Dynamism of MSMEs and Start-Ups for Industrial Transformation <i>Chair:</i> Mr Ram Mohan Mishra, Chairman, Meghalaya Investment Promotion Board and formerly Development Commissioner, MSMEs, Ministry of MSMEs, Govt of India <i>Speakers</i> Prof M.H. Bala Subramanya , Indian Institute of Science, Bengaluru Prof Keshab Das , KIIT University, Bhubaneshwar Prof R. Nagaraj , formerly IGIDR Dr Radhicka Kapoor , ICRIER Mr Anil Bhardwaj , Secretary-General, FISME Mr Mukesh Gulati , Executive Director, Foundation for MSME Clusters Open discussion		Auditorium
13.00-14.00	Lunch		
14.00-15.30	11. Technical Sessions		
Venue: Conference Hall-1	Venue: Meeting Room-2	Venue: Conference Hall-3	
11.1. Innovative activity and Leveraging Industry 4.0 for Competitiveness <i>Chair:</i> Prof Vinish Kathuria, IIT-Bombay. <i>Discussants</i> Dr Smitha Francis , NPEI, IIT Bombay Sanjay Kumar Malik , ISID, New Delhi 1. <i>Exploring the Moderating Role of Technological, Organizational, and Environmental Factors on the Sustainability Applications of Industry 4.0: A Multi-level Analysis</i> , Narender Kumar, JNU, New Delhi and Winnie Sharma, Amity University, Noida. 2. <i>Determinants of ICT adoption in case of Indian manufacturing sector</i> , Subal Dutta and Badri Narayan Rath, IIT, Hyderabad. 3. <i>Family Firms, Innovation and Complementarity of Product Market Competition</i> , Sukhdeep Singh, Institute of Economic Growth, New Delhi & Indrani Chakraborty, IDSK, Kolkata. 4. <i>STI path formation challenge and industrial development: Lessons from India</i> , Dinesh Abrol, TRCSS, JNU, New Delhi.	11.2. MSMEs in India: Employment, Digitalisation, Exports and R&D <i>Chair:</i> Prof Atul Sood, JNU <i>Discussants</i> Prof. Sandip Sarkar , IHD Prof. Sarthi Acharya , IHD 1. <i>E-Commerce, and the Indian Retail and Manufacturing Sectors: An Empirical Analysis with a Special Focus on Organised Sector MSMEs</i> , Nibha Bhartii; Sugandha Huria; Ashley Jose & Kanika Pathania, IIFT, New Delhi. 2. <i>R&D and IT intensity leveraging MSMEs Performance in India: A way to Industrial Transformation</i> , Barkha Dhingra, Maharshi Dayanand University (MDU); Tanu Kathuria, UNDP, India; Ruhee Mittal, RD Institute of Advanced Studies, New Delhi; and Mahender Yadav, MDU 3. <i>Digitalization and Exports: A Case of Indian Organized Sector Manufacturing MSMEs</i> , Sugandha Huria, Neha Jain, Kriti Sharma & Ashley Jose, IIFT 4. <i>Employment Status of Women in the Power Loom Sector: A case</i>	11.3. Geography of Industrialisation and Balanced Regional Development <i>Chair:</i> Professor R. Nagaraj, IGIDR <i>Discussants</i> Dr. M. Parameswaran , CDS, Trivandrum. Dr Ramaa Arun Kumar , ISID, New Delhi. 1. <i>Impact of Agglomeration Economies on Plant Productivity - Evidence from Indian Manufacturing</i> , Piyali Majumder, NCAER and Aparna Sawhney, JNU New Delhi. 2. <i>Manufacturing Productivity in Indian States: The Role Infrastructure, Agglomeration, and Exports</i> , Mahua Paul, Smruti Ranjan Sahoo, ISID, New Delhi. 3. <i>Pattern and determinants of the growth in the size of the manufacturing sector since the 1980s: Inter-state analysis</i> , Sakshi Arora, Amity University, Mohali & Amrita Shergill, Punjab University. 4. <i>Geographical concentration of Indian manufacturing industry: study of agglomeration and co-</i>	

<p>5. Public Sector Funding of R&D and Productivity Growth in India, Megha Chamoli, Amey Pathak and Ruchi Sharma, IIT, Indore.</p>	<p><i>study of Varanasi</i>, Uttar Pradesh, Nandani Yadav & Priyabrata Sahoo, BHU</p> <p>5. Unfolding Challenges of the Informal Economy: Migration, Agglomeration, and Duality, Pooja Sharma, Daulat Ram College, Mahua Paul, ISID, & Anjan Chakrabarti, University of North Bengal, Darjeeling.</p>	<p>agglomeration pattern, Pritam Datta, NIPFP, New Delhi.</p> <p>5. Geographical Dispersal of Manufacturing Industry in India, Ashish Andhale, MIT-World Peace University, Pune & Sharadini Rath, Indian School of Political Economy, Pune.</p>
<p>15.30-16.00</p>	<p>Tea Break</p>	
<p>16.00-17.30</p>	<p>12. Foundation Day Address on <i>Towards Innovations Driven Industrial Transformation</i>, by Dr Naushad Forbes, Co-Chairman, Forbes Marshall; Member, ISID Board; Past-President, CII.</p> <p>Valedictory Session Valedictory Address: Envisioning India as a Global Manufacturing Hub by Mr Amitabh Kant, India G20 Sherpa*</p> <p>Chair: Shri S.K. Misra, Chairman, ISID</p>	<p>Auditorium</p>
<p>17.30</p>	<p>Closing</p>	

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