

## Bibliography

### A. Articles in Journals

1. Agarwal, S. K., & Mishra, S. (2024). *Did the Aspirational Districts Programme improve health and nutrition outcomes? Evidence from India*. SSRN. Retrieved from: <https://doi.org/10.2139/ssrn.4568286>.
2. Agarwal, R. (2018). Role of entrepreneurship in promoting women empowerment in Northeastern region of India. *Amity Journal of Entrepreneurship*, 3(2).
3. Ajzen, I. (1991). The Theory of Planned Behavior. *Organizational Behavior and Human Decision Processes*, 50(2)
4. Autio, E., & Thomas, L. D. W. (2014). Innovation Ecosystems: Implications For Innovation Management. *Management Decision*, 52(9)
5. Borah, R., Das, P., & Deka, M. (2022). Awareness and Participation in Aspirational District Programme: A Study of Rural Youth in Assam. *Journal of Rural Development*, 41(2)
6. Borah, P. K., et al. (2020). Role of knowledge management in transformation of Aspirational District Programme: A case study of health & nutrition sector in Baksa District of Assam. *Journal of Interdisciplinary Cycle Research*, 12(7)
7. Borah, P. (2019). A brief study on the entrepreneurship in North-East India with special reference to Assam. *Journal of Critical Reviews*, 6(1).
8. Bruton, G. D., Ahlstrom, D., & Obloj, K. (2008). Entrepreneurship in emerging economies: Where are we today and where should the research go in the future? *Entrepreneurship Theory and Practice*, 32(1)
9. Chanu, I. A., & Haloi, T. (2017). Is social background responsible to develop certain entrepreneurial traits among women entrepreneurs? *International Journal of Recent Scientific Research*, 8(10).
10. Chatterjee, S., & Das, P. (2019). The Role of Awareness in Rural Entrepreneurship Development: A Case Study from Eastern India. *Journal of Entrepreneurship and Innovation in Emerging Economies*, 5(3)
11. Chandrasekar, A., & Sharma, R. (2014). *Role of Education in Promoting Rural Entrepreneurship in India*. *Journal of Rural Development*, 31(2).

12. Chakrabarty, K. (2016, September). Contribution of MSMEs with reference to entrepreneurship development and employment generation in North-East India: A critical evaluation. *Social Science Spectrum*, 2(3).
13. Chauhan, J. K., & P. S. (2022). Strategic analysis of entrepreneurial activities: An evaluative research study of North East India. *Indian Research Journal of Extension Education*, 22(1).
14. Cole, A. H.(1968). Introductory Remarks. *The American Economic Review*. 58(2)
15. Das, T. (2016). Role of Individual Characteristics in Entrepreneurial Success in Rural India. *Entrepreneurship Research Journal*, 5(2),
16. Das, K., & Barman, A. (2022). Role of Local Governance in ADP Awareness among Rural Entrepreneurs in Meghalaya. *Journal of Rural Policy Studies*, 12(4).
17. Das, D. C. (2014). Prospects and challenges of rural entrepreneurship development in NER: A study. *International Journal of Humanities & Social Science Studies (IJHSSS)*, 1(3).
18. Das, S. K. (2012). Entrepreneurship through microfinance in North East India: A comprehensive review of existing literature. *Information Management and Business Review*, 4(4).
19. Das, S. K. (2012, April). Entrepreneurship through microfinance in North East India: A comprehensive review of existing literature. *Information Management and Business Review*, 4(4).
20. Das, S. K. (2012, May). Entrepreneurship and microfinance: A reflection from North East India. *Asian Journal of Research in Social Sciences & Humanities*, 2(5).
21. Das, K., & Barman, A. (2022). Role of local governance in ADP awareness among rural entrepreneurs in Meghalaya. *Journal of Rural Policy Studies*, 12(4).
22. Deb, S. (2018). North East Region and Arunachal Pradesh (India) - Looking beyond & within in pursuit to promote entrepreneurship. *Advances in Economics and Business*

23. Deb, R. (2021). A ray of hope for rural India: Aspirational District Programme (ADP). *Observer Research Foundation*. Retrieved from <https://www.orfonline.org/expert-speak/a-ray-of-hope-for-rural-india-aspirational-district-programme-adp/>
24. Devi, K., & Singh, R. (2021). Government Schemes and Rural Entrepreneurship: The Role of Awareness in North East India. *Journal of Social and Economic Development*, 23(1)
25. Davidsson, P., & Honig, B. (2003). The role of social and human capital among nascent entrepreneurs. *Journal of Business Venturing*, 18(3).
26. Ferdilan, R., et al. (2021). Evaluations of an entrepreneurship development program: A systematic literature review. *Jurnal Ilmiah Bidang Akuntansi dan Manajemen*, 18(2).
27. Flores, K. M. G., & Kovacs, J. K. (2018). Defining the entrepreneurial ecosystem. *SEA Practical Application of Science*, 6(18),
28. Gogoi, M., & Dutta, R. (2023). Digital Barriers in Awareness: The Case of Tribal Entrepreneurs in Arunachal Pradesh. *Journal of Development Studies*, 45(1)
29. Gupta, R., & Sharma, P. (2020). Entrepreneurship Development through Government Initiatives in India: A Study on ADP Awareness. *Indian Journal of Social Science Research*, 36(2).
30. Gupta, P., & Singh, R. (2017). Impact of Social Capital on Entrepreneurship in Rural India. *International Journal of Business and Management Studies*, 9(3)
31. Iyer, L., Khanna, T., & Varsheny, T. (2013). *Economic & Political Weekly*. 48(6)
32. Isenberg, D. J. (2010). *How to start an entrepreneurial revolution*. Harvard Business Review, 88(6)
33. Jha, S.K., & Kumar, A. (2020). Revisiting MSME Sector in India: Challenges and the Road Ahead. *Journal of Politics and Governance* 8(5)

34. Kashyap, M., Tluanga, L., & Lalnunpuii, S. (2022). *Women's Participation in ADP Initiatives through Self-Help Groups in Mizoram. Journal of Gender and Rural Development, 29(3)*
35. Kadirvel, G., & B. B. (2018, February). Market potential and opportunities for commercialization of traditional meat products in North East Hill Region of India. *Veterinary World, 11(2)*, 118–124.
36. Karthik, C., Naorem, C., Singh, H. B., Johns, T. G., Patil, A. A., Harivignesh, G., Vaishnavi, T., & Kumari, T. (2023). Opportunities and challenges in the floriculture industry for entrepreneurship development in the North East Region of India. *International Journal of Statistics and Applied Mathematics*. <https://doi.org/10.22271/math.2023.v8.i6sr.1568>
37. Kumar, A. (2021). Problems and prospects of women entrepreneurship in India with special reference to North-East India. *Management Insight, 17(2)*.
38. Kumar, G. S. A., et al. (2021). Training effectiveness of skill development training programmes among the aspirational districts of Karnataka. *Indian Journal of Extension Education, 57(4)*.
39. Kumar, A., & Jain, S. (2016). Infrastructural Challenges for Rural Entrepreneurship in India. *Journal of Rural Infrastructure, 5(4)*.
40. Kumar, J. S., & M. D. (2023). Impact of entrepreneurship education among the tribal youth in Northeastern Indian states. *International Journal of Research Publication and Reviews, 4 (0)*.
41. Mahanta, G., & H. D. (2023). Women entrepreneurship in North-East India. *Tuijin Jishu/Journal of Propulsion Technology, 44(4)*.
42. Mishra, P., Patel, K., & Mehta, S. (2015). Role of ICT in Promoting Rural Entrepreneurship. *International Journal of ICT and Development, 3(2)*
43. Mehta, R. (2020). Impact of Government Policies on Rural Entrepreneurship. *Journal of Public Policy, 12(1)*
44. Nanda, P., Switlick-Prose, K., & Sommerfelt, A. E. (2012). Awareness and Access to Family Planning in Rural India. *Journal of Health Policy and Planning, 27(3)*.
45. Nang Biak Sing, R. G. (2020, June). Social entrepreneurship as a nation well-being: A case in North East State. *Management Convergence, 11(2)*.

46. Kaur, M., & Singh, S. (2018). Motivational Factors Influencing Rural Entrepreneurship in India. *Journal of Business Studies*, 11(1),
47. Patil, M. (2018). Microfinance and Rural Entrepreneurship in India. *Journal of Finance and Banking Studies*, 6(2)
48. Pandey, A. (2019). Awareness and Access to Government Schemes in Rural India. *Development Studies Journal*, 4(3)
49. Patil, M. (2018). Microfinance and Rural Entrepreneurship in India. *Journal of Finance and Banking Studies*, 6(2)
50. Pradhan, P., Sinha, A., & Mishra, B. (2020). *Awareness and Utilization of Government Schemes in Rural India: A Study on ADP Implementation. Economic and Political Weekly*, 55(3)
51. Roy, S., & Mishra, N. (2020). Socio-Cultural Barriers to Entrepreneurship in Rural India. *Journal of Social and Economic Studies*, 15(2)
52. Rakshit, A. & Basole, A. (2024). *Entrepreneurship and Marginalised Social Identities in India. Economic & Political Weekly*. 59(30)
53. Saikia, P. (2022, March). Performance of entrepreneurs in North Eastern Region. *Indian Research Journal of Extension Education*, 22(1).
54. Sarkar, A. (2020). Vocational training and education in North-East India: Access and labour market outcomes. *Social Change and Development*, 12(2).
55. Saurabh, R., & U. P. (2023). Aspirational District Program: Data-driven catalysis of grassroots socio-economic improvement. *Impact and Policy Research Review*, ( ).
56. Sharma, L., & Rao, V. (2017). Training and Capacity Building for Rural Entrepreneurs. *Journal of Entrepreneurship Education*, 10(4)
57. Saxena, S. (2012). Cultural Factors Influencing Entrepreneurship in Rural India. *Entrepreneurship Development Review*, 7(1)
58. Schultz, T. W. (1961). "Investment in Human Capital." *The American Economic Review*, 51(1)
59. Stem (2015), Entrepreneurial ecosystems and regional policy: A sympathetic critique. *European Planning Studies*, 23(9)

60. Stangler, D. & Bell-Masterson, J. (2015). The Influence Of Entrepreneurship Ecosystems on the Entrepreneurial Process. *Economic Development Quarterly*, 29(3).
61. Sharma, A. (2020, November). A comparative analysis on women entrepreneurs of North East India. *International Journal of Advanced Research in Engineering and Technology (IJARET)*, 11(11), 1694–1703.
62. Solo, M., & Nagi, K. (2017). Prospects for entrepreneurs in North-East India: A case study. *International Journal of Research in Business Studies*, 2(2).
63. Sorokhaibam, R., & Thaimai, G. (2012). Entrepreneurship development and employment in North East India. *Journal of Asian Business Strategy*, 2(5), 95–105.
64. Tayang, W., & N. M. (2024, October). The futuristic entrepreneurial actions for tribal farmers of North-East India. *Journal of Scientific Research and Reports*, 30(10), 611–616.
65. Timungpi, S. & Chanu, A. I. (2019). Women Entrepreneurship Ventures among Tribal Women: A Study with Reference to Scheduled Tribe (Hills) of Assam. *Advances in Economics and Business Management*. 6(4)
66. Timungpi, S., & Chanu, A. I. (2017). *Emergence of women entrepreneurship ventures in India. International Journal of Humanities and Social Science Studies (IJHSSS)*, 4(1), Retrieved from <https://www.ijhsss.com/volume-iv%2C-issue-i%2C-july-2017.html>
67. Thorat, S. & Sadana, M. (2009). Graded Caste Inequality and Poverty: Evidence on Role of Economic Discrimination. *Journal of Social Inclusion Studies*. 4(1): 3-29
68. Verma, N., & Aggarwal, P. (2019). Government Initiatives for Promoting Entrepreneurship in Rural India. *Policy and Governance Review*, 8(3), 112-127.

### **Books and Chapters in Books**

1. Acs, Z. J., & Szerb, L. (2010). *The Global Entrepreneurship and Development Index (GEDI)*. Springer.
2. Becker, G. S. (1964). *Human Capital: A Theoretical and Empirical Analysis, with Special Reference to Education*. Chicago: University of Chicago Press.

3. Becker, G. S. (1993). *Human Capital: A Theoretical and Empirical Analysis with Special Reference to Education* (3rd ed.).
4. Booth, A., Papaioannou, D., & Sutton, A. (2012). *Systematic approaches to a successful literature review*. Sage Publications..
5. Centre for Social and Behaviour Change, Ashoka University. (2022). *Stories of change from India's aspirational districts: Use of behavioural insights*. NITI Aayog.
6. Chanu, A. I. (2021). *Self-Reliant India: Issues and Challenges* Meerut: Balaji Publications
7. Cole, A H.(1959). *Business Enterprises in its Social Settings*. Cambridge MA: Havard University Press
8. Chyne, R. (2020). *Women entrepreneurship in a matrilineal society: A study of the Khasi tribe in Meghalaya*. North Eastern Hill University.
9. Esposito, M. (2023). The Aspirational District Program in India and the emergence of innovative practices for local governance. *The India's Dialog at Stanford University, Working Paper (WP-2023-006, June 2023)*.
10. Mahalakshmi, S. (2021). Self -Reliant India: Prospects and Challenges. in Chanu, A. Ibemcha. (Ed). *Self-Reliant India: Issues and Challenges* Meerut: Balaji Publications. 10-27.
11. Mincer, J. (1974). *Schooling, Experience, and Earnings*. New York: NBER
12. North, D. C. (1990). *Institutions, Institutional Change and Economic Performance*. Cambridge University Press.
13. Nandi, A., Zaveri, L., Ashok, A., &Prinja, S. (2023). *Did the Aspirational Districts Programme improve health and nutrition outcomes? Evidence from India* (Preprint). Retrieved from, <https://www.medrxiv.org/content/10.1101/2023.07.27.23293263v2>Agarwal, S. K., & Mishra, S. (2024). *Did the Aspirational Districts Programme improve health and nutrition outcomes? Evidence from India*. SSRN. Retrieved from: <https://doi.org/10.2139/ssrn.4568286>.
14. Agarwal, R. (2018). Role of entrepreneurship in promoting women empowerment in Northeastern region of India. *Amity Journal of Entrepreneurship*, 3(2)

15. Sen, A. (1999). *Development as Freedom*. Oxford University Press.

### Reports and Dissertations

1. Advanced Leadership Initiative, Harvard University. (2020). *India's Aspirational Districts Programme focuses governance efforts on development*. Social Impact Review. Retrieved from: <https://sir.advancedleadership.harvard.edu/articles/indias-aspirational-districts-programme-focuses-governance-efforts-development>
2. Government of India. (2024). *Economic Survey 2023–24*. Ministry of Finance. Retrieved from: <https://theprint.in/budget/economic-survey-lauds-modi-govts-aspirational-districts-programme-good-governance-template/1345145/>
3. Green, M., & Kapoor, A. (2020). *An assessment of Aspirational Districts Programme* (pp. 1–168). Retrieved from [https://competitiveness.in/wp-content/uploads/2020/09/Assessment AD\\_P\\_Final\\_2020.pdf](https://competitiveness.in/wp-content/uploads/2020/09/Assessment_AD_P_Final_2020.pdf)
4. Institute for Competitiveness. (2024). *Assessment of Aspirational Districts Programme 2.0*. Retrieved from <https://www.competitiveness.in/report-on-assessment-of-aspirational-district-programme-2-0/>
5. Lalhunthara. (2006). *Entrepreneurship in micro enterprises in Aizawl district, Mizoram* (Doctoral dissertation, Mizoram University).
6. Mason, C., & Brown, R. (2014). Entrepreneurial ecosystems and growth-oriented entrepreneurship. *OECD LEED Programme Background Paper*.
7. National Council of Applied Economic Research. (2022). *Aspirational Districts Programme: Urgent need for district perspective plans*. Retrieved from: <https://www.ncaer.org/publication/aspirational-districts-programme-urgent-need-for-district-perspective-plan>
8. NITI Aayog. (2018). *Transformation of Aspirational Districts Programme: A roadmap for holistic development*. Government of India.

9. NITI Aayog. (2018). *Deep dive* (pp. 1–20). Retrieved from <https://www.niti.gov.in/sites/default/files/2019-01/Deep-Dive-Final-60-copies.pdf>
10. NITI Aayog. (2019). *Transformation of Aspirational Districts – A primer* (pp. 3–17). Retrieved from <https://www.niti.gov.in/sites/default/files/2018-12/Transformation-of-AspirationalDistricts-Primer-A-New-India2022.pdf>
11. NITI Aayog. (2020). *Best practices – Aspirational districts volume 1* (pp. 1–76). Retrieved from <https://www.niti.gov.in/sites/default/files/2022-09/Best-Practices-from-Aspirational-Districts-Volume-1.pdf>
12. NITI Aayog. (2023). *Progress Report on Aspirational Districts Programme*. Government of India. Retrieved from: <https://www.niti.gov.in/node/694>
13. North East Industrial and Investment Promotion Policy (NEIIP). Retrieved from <https://www.meity.gov.in/writereaddata/files/North%20East%20Industrial%20Policy%20and%20Investment%20Promotion%20Policy.pdf>
14. Settigar, M. M. (2012, May). *Efficacy of skill development training in entrepreneurship development: A case study of Rural Development and Self-Employment Training Institute* (Doctoral dissertation, Mangalore University).
15. United Nations Development Programme. (2021). *Aspirational Districts Programme: An Appraisal*. UNDP India. Retrieved from <https://www.undp.org/india/publications/aspirational-districts-programme-appraisal>.
16. OECD (1998). *Human Capital Investment: An International Comparison*.
17. United Nations Development Programme. (2021). *Aspirational Districts Programme – An appraisal* (pp. 1–78). Retrieved from <https://www.undp.org/india/publications/aspirational-district-programme-appraisal>
18. United Nations General Assembly. (2020). *Entrepreneurship for sustainable development*. Provisional agenda item 18.

19. Voluntary Health Association of India. (2023). *Aspirational Districts Programme: Challenges and Future Roadmap*. Retrieved from: <https://vhai.org/our-work/aspirational-districts-programme-challenges-and-future-roadmap/>.
20. World Bank (2018). *The Changing Wealth of Nations 2018: Building a Sustainable Future*.

## **Appendix 1.**

### **Data Points (DP)**

DP1: Extent of Implementation of Disbursement of Mudra Loan (in Crore Rupees) per 1 Lakh Population

DP2: Extent of Implementation of Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY)

DP3: Extent of Implementation of Pradhan Mantri Suraksha Bima Yojana (PMSBY)

DP4: Extent of Implementation of Atal Pension Yojana (APY)

DP5: Extent of Implementation of Percentage of Accounts Seeded with Aadhaar to Total Bank Accounts

DP6: Extent of Implementation of Number of Accounts Opened Under Pradhan Mantri Jan Dhan Yojana (PMJDY) per 1 Lakh Population

DP7: Percentage of Youth Certified in Short-Term or Long-Term Training Schemes

DP8: Extent of Implementation of Employment Programme in Terms of Youth Trained Under Short-Term or Long-Term Training

DP9: Extent of Implementation of Apprenticeship Programme in Terms of Number of Apprenticeships Completed

DP10: Percentage of People Certified Under Recognition of Prior Learning (RPL) to Non-Formally Skilled Workforce

DP11: Percentage of Certified Trained Women

DP12: Percentage of Certified Trained SC (Scheduled Castes)

DP13: Percentage of Certified Trained ST (Scheduled Tribes)

DP14: Percentage of Certified Trained OBC (Other Backward Classes)

DP15: Percentage of Certified Trained Minorities

DP16: Percentage of Certified Trained Differently Abled

DP17: Percentage of Households with Electricity Connection

DP18: Percentage of Gram Panchayats with Internet Connection

DP19: Percentage of Habitations with Access to All-Weather Roads under PMGSY.

DP20: Percentage of All-Weather Road Work Completed under PMGSY.

DP21: Percentage of Households with Individual Household Latrines

DP22: Percentage of Rural Habitations with Access to Potable Water

DP23: Percentage Coverage of Common Service Centres at Gram Panchayat Level

DP24: Percentage of Pucca Houses Constructed for Eligible Households

DP25: Percentage of Area Under Micro-Irrigation

DP26: Percentage Increase in Water Bodies Rejuvenated Under MGNREGA

.DP27: Percentage of Net Sown Area in Kharif Season Covered Under PMFBY

DP28: Percentage of Net Sown Area in Rabi Season Covered Under PMFBY

DP29: Percentage Increase in Agricultural Credit

DP30: Percentage of Certified Quality Seed Distribution

DP31: Percentage of Certified Quality Seed Distribution

DP32: Number of Mandis Linked to Electronic Market

DP33: Percentage Increase in Mandis Linked to Electronic Market

DP34: Percentage Change in Price Realization for Wheat

DP36: Percentage Change in Price Realization for Grade A Paddy

DP37: Percentage Share of High-Value Crops to Total Sown Area

DP38: Percentage Change in Agricultural Productivity of Major Crop1 in Kharif

DP39: Percentage Change in Agricultural Productivity of Major Crop2 in Kharif

DP40: Percentage Change in Agricultural Productivity of Major Crop1 in Rabi

DP41: Percentage Change in Agricultural Productivity of Major Crop2 in Rabi

DP42: Percentage of Animals Vaccinated

DP43: Percentage of Artificial Insemination Coverage

DP44: Percentage of Soil Health Cards Distributed

DP45: Transition Rate from Primary to Upper Primary School Level (2023-2024)

DP46: Transition Rate from Upper Primary to Secondary School Level (2023-2024)

DP47: Percentage of Schools with Functional Girls' Toilets

DP48: Current Female Literacy Rate (15+ Age Group)

DP49: Percentage of Schools with Functional Drinking Water Facility

DP50: Percentage of Schools with Functional Electricity Facility at Secondary Level

DP51: Percentage of Elementary Schools Complying with RTE-Specified Pupil-Teacher Ratio

DP52: Percentage of Schools Providing Textbooks Within 1 Month of Academic Session Start (2023-2024)

DP53: Percentage of Pregnant Women Receiving 4 or More ANC Check-ups (Aug 2023)

DP54: Percentage of ANC Registered Within First Trimester (Aug 2023)

DP55: Percentage of Pregnant Women Registered for ANC (Aug 2023)

DP56: Percentage of Pregnant Women Regularly Taking Supplementary Nutrition (Aug 2023)

DP57: Percentage of Pregnant Women with Severe Anaemia Treated (Aug 2023)

DP58: Percentage of Pregnant Women Tested for Haemoglobin 4 or More Times (Aug 2023)

DP59: Current Sex Ratio at Birth

DP60: Percentage of Institutional Deliveries (April-June 2023)

DP61: Percentage of Home Deliveries Attended by Skilled Birth Attendants (April-June 2023)

DP62: Percentage of Newborns Breastfed Within One Hour of Birth (April-June 2023)

DP63: Percentage of Low Birth Weight Babies (April-June 2023)

DP64: Percentage of Underweight Children Under 6 Years (April-June 2023)

DP65: Percentage of Stunted Children Under 6 Years (April-June 2023)

DP66: Percentage of Children Under 5 Years with Diarrhoea Treated with ORS (April-June 2023)

DP67: Percentage of Children Under 5 Years with Diarrhoea Treated with Zinc (April-June 2023)

DP68: Percentage of Children Under 5 Years with ARI Taken to a Health Facility (Last 2 Weeks)

DP69: Percentage of Severe Acute Malnutrition (SAM) in Children Under 6 Years

DP70: Percentage of Moderate Acute Malnutrition (MAM) in Children Under 6 Years

DP71: Percentage of Breastfeeding Children Receiving Adequate Diet (6-23 Months, Aug 2023)

DP72: Percentage of Non-Breastfeeding Children Receiving Adequate Diet (6-23 Months, Aug 2023)

DP73: Percentage of Children Fully Immunized (9-11 Months)

DP74: TB Case Notification Rate (Aug 2023)

DP75: TB Treatment Success Rate (Aug 2023)

DP76: Proportion of Sub-Centres/PHCs Converted into Health & Wellness Centres (HWCs)

DP77: Percentage of PHCs Compliant with Indian Public Health Standards (IPHS)

DP78: Proportion of Functional FRUs (First Referral Units)

DP79: Proportion of Specialist Services Available in District Hospitals

DP80: Percentage of Anganwadis/UPHCs Conducting VHSND/UHSND (Aug 2023)

DP81: Proportion of Anganwadis with Own Buildings

DP82: Percentage of FRUs with Labour Rooms and Obstetrics OT NQAS Certified

## Questionnaire

### Aspirational Districts Programme and its impact on Entrepreneurs in North-East India

#### Profile of the Entrepreneur

- a. Name of the respondent/ owner of enterprise:
- b. District:
- c. State:
- d. Type of Enterprise: Service/Manufacturing (please tick one)
- e. Gender of owner of Enterprise: Male/Female/Other (please tick one)
- f. Social Status of owner of Enterprise: General/OBC/ST/SC (please tick one)
- g. Year of establishment:
- h. Year of registration.....
- i. Number of Employment generated:                      Male..... Female.....

**Please respond with the most appropriate answer by ticking the box.**

A. (i) On Awareness of Aspirational District programme

SI No	Q.Code	General Questions	Not at all Aware	Somewhat Aware	Aware	Highly Aware
1	G.1	Objectives of Aspirational District Programme				
2	G.2	Key Indicators of Aspirational District Programme				
3	G.3	Role of State Government in implementation of Aspirational District Programme				
4	G.4	Role of District Administration in implementation of Aspirational District Programme				

(ii) On Awareness of select indicators of Aspirational District programme

SI No	Q.Code	On Financial inclusion and Skill Development	Not at all Aware	Somewhat Aware	Aware	Highly Aware

1	FISD. 1	Mudra loans				
2	FISD. 2	Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY)				
3	FISD. 3	Pradhan Mantri Suraksha Bima Yojana (PMSBY)				
4	FISD. 4	Atal Pension Yojana (APY)				
5	FISD. 5	Pradhan Mantri Jan Dhan Yojana				
6	FISD. 6	Subsidy from the Government				
7	FISD. 7	Short-term or long-term training schemes for youth in district in age group 15-29				
8	FISD. 8	Employment opportunities for youth trained under short-term or long-term training				
9	FISD. 9	Apprenticeship Programmes that are available for online registration				
10	FISD.10	Certification Programmes for Recognition of Prior Learning to non-formally skilled workforce				
<b>On Basic infrastructure</b>						
11	BI.1	Process to avail a new electricity connection				
12	BI.2	Gram Panchayats are supposed to have Internet connection				
13	BI.3	Schemes under which access to all weather roads is provided to Households				
14	BI.4	Process to apply for individual household latrines				
15	BI.5	Provision for own Household to access adequate quantity of potable water (40 lpcd) drinking water				
16	BI.6	Availability of Common Service Centre at Gram Panchayat				
17	BI.7	Schemes under which there is provision of construction of pucca houses for poor households				
<b>Agriculture &amp; Water Resources</b>						
18	AWR.1	Micro-irrigation schemes of the Government				
19	AWR.2	Water bodies being rejuvenated under MGNREGA in the vicinity				
20	AWR.3	Procedure to avail Pradhan Mantri Fasal Bima Yojana (PMFBY) coverage in Kharif season				

21	AWR.4	Procedure to avail Pradhan Mantri Fasal Bima Yojana (PMFBY) coverage in Rabi season				
22	AWR.5	Mandis in the District linked to Electronic Market				
23	AWR.6	Minimum Support Price (MSP)) for the agricultural produce				
24	AWR.7	Schemes to get animals vaccinated				
25	AWR.8	Procedure for Artificial insemination coverage				
26	AWR.9	Soil Health Cards				
<b>Education</b>						
27	E.1	Schools in the District with functional girls' toilets				
28	E.2	Female literacy rate (15+ age group) in the District				
29	E.3	Schools in the District with functional drinking water facility				
30	E.4	Schools in the District with functional electricity facility at secondary level				
31	E.5	Elementary schools in the District complying with RTE specified Pupil Teacher Ratio				
32	E.6	Schools in the District providing textbooks to children within 1 month of start of academic session				
<b>Health &amp; Nutrition</b>						
33	HN.1	Pregnant women should receive 4 or more antenatal care check-ups				
34	HN.2	Children are fully immunized (9-11 months) (BCG+ DPT3 + OPV3 + Measles1) in the district				
35	HN.3	Availability of specialist services available in district hospitals against IPHS norms				
36	HN.4	Conducting of Village Health Sanitation & Nutrition day/Urban Health Sanitation & Nutrition day outreach by Anganwadis/UPHCs (at least one in one month)				
37	HN.5	Proportion of Anganwadis with own buildings				
38	HN.6	Percentage of First Referral Units (FRU) with labour rooms and obstetrics OT NQAS certified (meet LaQShya guidelines)				

B. On the Benefits received by the entrepreneurs after implementation of Aspirational District Programme

SI No	Benefits received	Yes	No	If yes, year of availing
1	I have availed of Mudra loans			
2	I have availed of Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY)			
3	I have availed of Pradhan Mantri Suraksha Bima Yojana (PMSBY)			
4	I have availed of Atal Pension Yojana (APY)			
5	I have seeded my Aadhaar ID to my bank account			
6	I have availed of Pradhan Mantri Jan Dhan Yojana			
7	I am a beneficiary of any short term or long term training schemes for youth in district in age group 15-29			
8	I have completed online registration of any Apprenticeship Programme			
10	I have participated in certification programmes for Recognition of Prior Learning to non-formally skilled workforce			
11	I have electricity connection in my home and workplace			
12	My Gram Panchayat has an Internet connection			
13	My Habitation has access to all weather roads under PMGSY			
14	My household has an Individual Household latrines provided by the government			
15	My Household has access to adequate quantity of potable water (40 lpcd) drinking water			
16	My Gram Panchayat has an established Common Service Centre			
17	I/My family is a beneficiary of micro-irrigation schemes of the Govt			
	There are water bodies being rejuvenated under MGNREGA in my vicinity			
18	I/My family has availed Pradhan Mantri Fasal Bima Yojana (PMFBY) coverage in both Kharif and Rabi season.*			
19	I/My family has availed Pradhan Mantri Fasal Bima Yojana (PMFBY) coverage in this Rabi season			
20	I/My family has got my/our animals vaccinated			

21	I/My family has Artificial insemination coverage			
22	I/My family has Soil Health Cards			
23	All schools in my Gram Panchayat where our children study have functional girls' toilets			
25	All schools in my Gram Panchayat where our children study have functional drinking water facility			
26	All schools in my Gram Panchayat where our children study have functional electricity facility at secondary level			
27	All elementary schools in my Gram Panchayat are complying with RTE specified Pupil Teacher Ratio			
28	All schools in my Gram Panchayat are providing textbooks to children within 1 month of start of academic session.			
29	I/Pregnant women in my family received 4 or more antenatal care check-ups during pregnancy			
30	I/Pregnant women in my family got ANC registered within the first trimester			
31	I/Pregnant women in my family regularly took Supplementary Nutrition under the ICDS programme			
32	I/Pregnant women in my family was severely anemic and got treated in the government hospital.			
33	I/Pregnant women in my family gave birth and had an Institutional delivery			
34	I/Pregnant women in my family gave birth and had delivery at home attended by an SBA (Skilled Birth Attendance) trained health worker			

C. On Impact on Entrepreneurs after implementation of Aspirational District Programme (Please rate from 1 to 5 where 1 is 'Not at all' and 5 is 'a great extent')

SI No	Changes	
1	To what extent, your level of skill development has been improved after the implementation of ADP.	
2	To what extent, you can expand your enterprise after the implementation of ADP.	

3	To what extent, you have increased your sales after the implementation of ADP	
4	To what extent, you can increase number of Employment in your enterprise after the implementation of ADP	
5	To what extent, you can expand your products into new markets after the implementation of ADP	
6	To what extent, you can launch new products and services after the implementation of ADP.	
7	To what extent, the profitability of your enterprise has been increased after the implementation of ADP.	
8	To what extent, did the ADP help you to grow your enterprise	
9	To what extent, did the ADP boost you to continue as entrepreneur	
10	To what extent, did the ADP bring positive entrepreneurial environment in your area.	

Any other comments .....

Thank you

Signature of Respondent

## Questionnaire for Nodal Officer

**a. District Name:**

**b. State: Assam**

**c. Name and Designation of Nodal Officer:**

Financial inclusion						
Sl No	Questions	Below 60%	60%- 70%	70%- 80%	80%- 90%	Above 90%
1	What is the extent of implementation of disbursement of Mudra loan (in Crore rupees) per 1 lakh population?					
2	What is the extent of implementation of Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) in terms of number of enrolments per 1 lakh population?					
3	What is the extent of implementation of Pradhan Mantri Suraksha Bima Yojana (PMSBY) in terms of number of enrolments per 1 lakh population?					
4	What is the extent of implementation of Atal Pension Yojana (APY) in terms of number of beneficiaries per 1 lakh population?					
5	What is the extent of implementation of Percentage of accounts seeded with Aadhaar to total bank accounts?					
6	What is the extent of implementation of Number of accounts opened under Pradhan Mantri Jan Dhan Yojana per 1 Lakh population?					
7	What is the Percentage of youth certified in short term or long term training schemes to no. of youth in district in age group 15-29*?					
8	What is the extent of implementation of Employment programme in terms of youth trained under short term or long term training?					
9	What is the extent of implementation of Apprenticeship Programme in terms of Number of Apprenticeships completed to total number of trainees registered on the portal?					
10	What is the Percentage of people certified under Recognition of Prior Learning to non-formally skilled workforce?					
11.1	What is the Percentage of certified trained women?					

11.2	What is the Percentage of certified trained SC?					
11.3	What is the Percentage of certified trained ST?					
11.4	What is the Percentage of certified trained OBC?					
11.5	What is the Percentage of certified trained Minorities?					
11.6	What is the Percentage of certified trained differently abled?					
1	What is the Percentage of Households with electricity connection?					
2	What is the Percentage of Gram Panchayats with Internet connection?					
3.1	What is the Percentage of Habitations with access to all weather roads under PMGSY?					
3.2	What is the Percentage of All-weather road work completed against the total sanctioned kilometres in the district under PMGSY?					
4	What is the Percentage of households with individual household latrines?					
5	What is the Percentage of rural habitations with access to adequate quantity of potable water (40 lpcd) drinking water?					
6	What is the Percentage coverage of establishment of Common Service Centres at Gram Panchayat level?					
7	What is the Percentage of pucca houses constructed for households that are shelterless or have one room with Percentage of kuchha wall and roof or have 2 rooms with kuchha wall and roof?					
<b>Agriculture &amp; Water Resources</b>						
1.1	What is the Percentage of area under micro-irrigation?					
1.2	What is the No. of water bodies rejuvenated under MGNREGA during this period?					
1.3	In your opinion, What has been the increase in percentage terms in number of water bodies rejuvenated under MGNREGA in current year versus previous year?					
2.1	What Percentage of net sown area in Kharif season is covered under Pradhan Mantri Fasal Bima Yojana (PMFBY)?					

2.2	What Percentage of net sown area in Rabi season is covered under Pradhan Mantri Fasal Bima Yojana (PMFBY)?					
3.1	What is the Percentage increase in agricultural credit?					
3.2	What is the Percentage of Certified quality seed distribution?					
4	What is the Number of Mandis in the District linked to Electronic Market					
4.1	In your opinion, what is the percentage increase in the Number of Mandis in the District linked to Electronic Market in current year versus previous year?					
5.1	What is the Percentage change in Price Realization (defined as the difference between Farm Harvest Price (FHP) and Minimum Support Price (MSP)) for wheat for current season?					
5.2	What is the Percentage change in Price Realization (defined as the difference between Farm Harvest Price (FHP) and Minimum Support Price (MSP)) for Common Paddy for current season?					
5.3	What is the Percentage change in Price Realization (defined as the difference between Farm Harvest Price (FHP) and Minimum Support Price (MSP)) for Grade A Paddy for current season?					
6	What is the Percentage share of high value crops to total sown area in the district as compared to the previous year?					
7.1	What Is the Percentage change in Agricultural productivity of Major Crop1 in Kharif from previous year					
7.2	What is the Percentage change in Agricultural productivity of Major Crop2 in Kharif from previous year?					
7.3	What is the Percentage change in Agricultural productivity of Major Crop1 in Rabi from previous year?					
7.4	What is the Percentage change in Agricultural productivity of Major Crop2 in Rabi from previous year?					
8	What is the Percentage of animals vaccinated?					
9	What is the Percentage of Artificial insemination coverage?					
10	What is the Percentage of Soil Health Cards distributed?					
1.1	What is the Transition rate from primary to upper primary school level at the start of the current academic year (2023-2024)?					

1.2	What is the Transition rate from upper primary to secondary school level at the start of the current academic year (2023-2024)?					
2	What is the percentage of schools in the District with functional girls' toilets?					
3	What is the current Female literacy rate (15+ age group) in the District?					
4	What is the Percentage of schools in the District with functional drinking water facility?					
5	What is the Percentage of schools in the District with functional electricity facility at secondary level?					
6	What is the Percentage of elementary schools in the District complying with RTE specified Pupil Teacher Ratio?					
7	What is Percentage of schools in the District providing textbooks to children within 1 month of start of academic session in current academic year 2023-2024?					
1.1	What is the Percentage of pregnant women receiving 4 or more antenatal care check-ups to the total no. of pregnant women registered for antenatal care in the previous month (Aug, 2023)?					
1.2	What is the Percentage of ANC registered within the first trimester against Total ANC Registration in the previous month (Aug, 2023)?					
1.3	What is the Percentage of pregnant women (PWs) registered for ANCs to total estimated pregnancies in the previous month (Aug, 2023)?					
2	What is the Percentage of pregnant women regularly taking Supplementary Nutrition under the ICDS programme in the previous month (Aug, 2023)?					
3.1	What is the Percentage of Pregnant women having severe anaemia treated, against PW having severe anaemia tested cases in the previous month (Aug, 2023)?					
3.2	What is the Percentage of pregnant women tested for Haemoglobin 4 or more times in respective ANCs to total ANC registration in the previous month (Aug, 2023)?					
4.1	What is the current Sex Ratio at birth of the District?					
4.2	What is the Percentage of institutional deliveries to total estimated deliveries in the previous trimester (April - June, 2023)?					
5	What is the Percentage of deliveries at home attended by an SBA (Skilled Birth Attendance) trained health worker to total home deliveries in the previous trimester (April - June, 2023)?					

6.1	What is the Percentage of newborns breastfed within one hour of birth in the previous trimester (April - June, 2023)?					
6.2	What is the Percentage of low birth weight babies (less than 2500g) in the previous trimester (April - June, 2023)?					
7	What is the Percentage of underweight children under 6 years in the previous trimester (April - June, 2023)?					
8.1	What is the Percentage of stunted children under 6 years in the previous trimester (April - June, 2023)?					
8.2	What is the Percentage of children under 5 years with Diarrhoea treated with ORS in the previous trimester (April - June, 2023)?					
8.3	What is the Percentage of children under 5 years with Diarrhoea treated with Zinc in the previous trimester (April - June, 2023)?					
8.4	What is the Percentage of children under 5 years with Acute Respiratory Infections (ARI) taken to a health facility in the last 2 weeks?					
9.1	What is the current Percentage of Severe Acute Malnourishment (SAM) in children under 6 years to total children under 6 years?					
9.2	What is the current Percentage of Moderate Acute Malnutrition (MAM) in children under 6 years to total children under 6 years?					
10.1	What is the current Percentage of Breastfeeding children receiving adequate diet (6-23 months) in the previous month (Aug, 2023)?					
10.2	What is the current percentage of non-breastfeeding children receiving adequate diet (6-23 months) in the previous month (Aug, 2023)?					
11	What is the current Percentage of children fully immunized (9-11 months) (BCG+ DPT3 + OPV3 + Measles1)?					
12.1	What is the Tuberculosis (TB) case notification rate (Public and Private Institutions) as against estimated cases in the previous month (Aug, 2023)?					
12.2	What is the TB treatment success rate among notified TB patients (public and private) in the previous month (Aug, 2023)?					
13.1	What is the Proportion of sub-centres/PHCs converted into Health & Wellness Centres (HWCs)?					
13.2	What is the Percentage of Primary Health Centers compliant to Indian Public Health Standards?					
13.3	What is the Proportion of functional FRUs (First Referral Units) against the norm of 1 per 500,000 population (1 per 300,000 in hilly areas)?					

13.4	What is the Proportion of specialist services available in district hospitals against IPHS norms?					
13.5	What is the Percentage of Anganwadis/UPHCs reported to have conducted at least one Village Health Sanitation & Nutrition day / Urban Health Sanitation & Nutrition day outreach in the last one month (Aug, 2023)?					
13.6	What is the Proportion of Anganwadis with own buildings?					
13.7	What is the Percentage of First Referral Units (FRU) with labour rooms and obstetrics OT NQAS certified (meet LaQShya guidelines)?					

Thank you

Signature of Respondent

# Micro Small and Medium Enterprises (MSMEs) in Aspirational Districts of Sixth Schedule Areas of Assam

**Varnali Deka**

PhD Scholar, Department of Commerce  
Bodoland University, Assam  
✉ varnali.deka@gmail.com

**Ayekpam Ibemcha Chanu**

Professor, Department of Commerce  
Bodoland University  
✉ ibemchac6@gmail.com

## ABSTRACT

The present study examines the growth of Micro Small and Medium Enterprises (MSME) before and after implementing the Aspirational District Programme (ADP). The type of MSME that mostly appeared in the study area after ADP and the relationship between the type of MSME and the Social Category of Owners are also examined. The Aspirational Districts of Assam's Sixth Schedule Areas have been considered for this study; both a primary and secondary data have also been considered. According to the findings, micro-enterprises make up the majority of MSME in the study area; the MSME have grown significantly over the period, reaching 12.3% annually; and, there is a significant relation between the "Social Category of Owners and type of MSME" and "Social Category of Owners and nature of MSME." Furthermore, it was found that over two-fifths of the MSME in the research area is owned by Scheduled Tribes (ST).

**KEYWORDS:** MSME, Aspirational Districts, Aspirational District Programme, Sixth Schedule Area.

## INTRODUCTION

Micro, Small, and Medium Enterprises (MSME) play a significant role in employment generation and economic growth in any country irrespective of developed or developing countries. The role of MSME in the Indian economy is highly significant as its share of contribution to the country's GDP is about 30%. The MSME sector also accounts for more than one-third of India's total manufacturing output. According to the Directorate General of Commercial Intelligence and Statistics (DGCIS), the manufacturing output share of MSME across all manufacturing output in India grew from 36.6% in 2019–20 to 36.9% in 2021–22 and then to 36.2% in 2022–23. However, the contribution of medium enterprises is significantly lower than that of micro and small enterprises. The micro and small enterprises make up the majority of the contribution in terms of number of enterprises as well as employment. All of the North Eastern Indian states present the same image. In India, there were over 30 million MSME registered as of December 2023. Promoting the MSME sector is crucial due to its distinct role in industrialization, as well as its contribution to export promotion and job

creation. This sector creates a platform for new ideas and new business units where people of all ages can enter.

The Government of India has taken up various initiatives to support this sector. These include providing easier access to credit, simplifying regulations, and offering skill development programs. Some of the initiatives that can be mentioned are the MSME Self-Reliant India Fund, ASPIRE (A Scheme for Promoting Innovation, Rural Industries, and Entrepreneurship), Cluster Development Programmes, E-governance Initiatives, revision of the definition of MSME, etc. [1]. The revised definition of MSME (2020) has brought upward revision of investment limit; there is differentiation in the investment limit of manufacturing and service enterprises and turnover. An enterprise's turnover condition was not in the MSME Act 2006. Before the revision of MSME's definition, the Aspirational District Programme (ADP) was initiated by the Government of India in January 2018 to speed up the overall development of 112 of the most underdeveloped districts of India.[2]. The ADP also focuses closely on enhancing individuals' capacity to

**BUILDING CLIMATE RESILIENT 'AGRO-COMMUNITIES CONVERGENCE BASED' THROUGH MULTI-CROPPING: A CASE STUDY FROM BODOLAND TERRITORIAL REGION (BTR), ASSAM**

Varnali Deka, (IAS)<sup>1</sup>, Simanta Mazumdar<sup>2</sup> & Dr. Ayekpam Ibemcha Chanu<sup>3</sup>

---

**Abstract**

*The present study attempts to assess the outcomes of a multi-layered convergence-based model and initiative for multi-cropping in three villages of the Sixth Schedule BTR of Assam. Typically, agriculturists of these regions follow a uni-crop model which limits their income potential and enhances disaster vulnerability beyond threshold limits. The findings indicate that convergences effected amongst the myriad stakeholders - farmer communities, concerned Depts. - Agriculture, Krishi Vigyan Kendra, Agriculture Engineering and Irrigation, district administration helped achieve better resource utilization and could translate into tangibles. The findings reveal that during the intervention period, there has been a nearly 90% rise in farmers doing multi-cropping and increase in farmers' incomes. Inference that can be drawn is that intra-departmental partnerships with micro level community engagement can help increase the success rate of targeted interventions especially for community oriented developmental measures as this BTR example clearly shows.*

**Keywords:** Multi-Cropping, Convergence, Climate Resilience, Community Development, sustainable-Agriculture, Irrigation

---

<sup>1</sup> Deputy Commissioner, Kokrajhar, Govt. of Assam  
[varnali.deka@gmail.com](mailto:varnali.deka@gmail.com)

<sup>2</sup> Corresponding Author  
BTR Development Fellow,  
BTR Development Fellowship Team (BTR Gov.)  
[simanta.btrf@gmail.com](mailto:simanta.btrf@gmail.com)

<sup>3</sup> Professor and Head, Dept. of Commerce,  
Bodoland University  
[ibemchac6@gmail.com](mailto:ibemchac6@gmail.com)