IJCRT.ORG ISSN : 2320-2882

INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS (IJCRT)

An International Open Access, Peer-reviewed, Refereed Journal

Role of MSMEs in the Economic Development of Hazaribagh District (Jharkhand)

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Abstract

Micro, Small and Medium Enterprises (MSMEs) play a central role in strengthening regional economies by generating employment, encouraging entrepreneurship, and supporting inclusive growth. In Hazaribagh district of Jharkhand, MSMEs supplement agriculture, forest-based livelihoods, and mineral-linked activities by creating local value addition and alternative income opportunities. This study analyses the structure, sectoral composition, and economic contribution of MSMEs in the district, with particular reference to policy support mechanisms and institutional challenges. Based on secondary data from district industrial profiles, Udyam/Udyog Aadhaar registrations, and planning documents, the study applies descriptive analysis to identify patterns and constraints. The analysis indicate a predominance of micro enterprises engaged in agro-processing, forest-based activities, metal fabrication, and services. Persistent challenges such as limited access to finance, technology gaps, and infrastructure constraints are highlighted, and policy measures are suggested to enhance the long-term growth of MSMEs in Hazaribagh.

Keywords: Micro, Small and Medium Enterprises; District-Level Development; MSME Policy; Rural Industrialisation; Inclusive Growth

1. Introduction

Micro, Small and Medium Enterprises (MSMEs) constitute an important segment of the Indian economy due to their capacity to generate employment, promote entrepreneurship, and support balanced regional development. Their significance is particularly evident at the district level, where large-scale industries are often limited and livelihood opportunities depend heavily on small production and service activities. In states like Jharkhand, MSMEs contribute to economic diversification by extending industrial and service activities beyond mining and agriculture.

This paper focuses on Hazaribagh district's MSME ecosystem: its current structure, sectoral concentrations, role in employment generation, linkages with agriculture and forest resources, and the impact of government schemes

and institutional support. The analysis aims to produce actionable insights for policymakers, local administrators, and development practitioners seeking to strengthen micro and small enterprise development in the district.

MSMEs Related Policy in Jharkhand

a. Jharkhand MSME Promotion Policy, 2023

The Jharkhand MSME Promotion Policy (2023) is designed to enhance the competitiveness and sustainability of micro, small, and medium enterprises within the state. The policy prioritises enterprise formalisation, technology upgradation, and skill development by offering fiscal incentives, interest subsidies, and facilitation support. It also emphasises cluster-based development and the creation of district-level MSME facilitation centres to improve access to credit, infrastructure, and market opportunities, thereby strengthening employment generation and local entrepreneurship.

b. Jharkhand Industrial & Investment Promotion Policy, 2021

The Industrial and Investment Promotion Policy (2021) seeks to improve the overall industrial climate in Jharkhand by encouraging private investment and simplifying regulatory processes. MSMEs are recognised as key drivers of regional diversification under this policy, which provides capital subsidies, infrastructure support, and skill-linked incentives. Special attention is given to backward and resource-rich districts, where MSMEs are expected to play a critical role in expanding non-agricultural employment and supporting balanced regional development

c. Jharkhand Public Procurement Policy, 2014

The Jharkhand Public Procurement Policy (2014) aims to integrate micro and small enterprises into government supply chains by granting them preferential access to public procurement. The policy encourages participation of registered enterprises through purchase reservations, price preference mechanisms, and simplified tender procedures. By reducing entry barriers in government markets, the policy seeks to improve demand certainty and revenue stability for local MSMEs.

d. **Jharkhand Food and Feed Processing Industry Policy, 2024**

The Food and Feed Processing Industry Policy (2024) focuses on promoting agro-based MSMEs through value addition and supply-chain development. It supports the establishment of processing units, cold-chain infrastructure, and modern storage facilities to strengthen backward linkages with agriculture. The policy is particularly relevant for districts with agrarian economies, as it aims to enhance farm incomes, reduce post-harvest losses, and generate employment in rural and semi-urban areas.

e. Chief Minister Employment Generation Programme (CMEGP), Jharkhand

The Chief Minister Employment Generation Programme is a state-level initiative that promotes self-employment by facilitating subsidised credit for new micro enterprises. Targeting unemployed youth, women, and marginalised social groups, the programme supports small-scale business creation in both rural and urban areas. By lowering entry barriers to entrepreneurship, CMEGP contributes to livelihood diversification and local employment generation.

f. **Raising and Accelerating MSME Performance (RAMP) – Jharkhand**

RAMP is a centrally supported programme that focuses on improving the productivity and competitiveness of MSMEs through institutional reforms, capacity building, and digital adoption. In Jharkhand, the programme emphasises district-level MSME facilitation, market access improvement, and enterprise capability enhancement. RAMP seeks to address structural constraints faced by micro and small enterprises by strengthening institutional support systems and promoting efficiency-oriented reforms.

2. Literature Review

Micro, Small and Medium Enterprises (MSMEs) have been widely studied in development economics due to their role in employment generation, poverty reduction, and regional industrialisation. At the macro level, early studies by Beck, Demirgüç-Kunt, and Levine (2005) established that small enterprises contribute significantly to economic growth by improving resource allocation and expanding access to income opportunities. These studies argue that MSMEs are particularly important in developing economies where capital-intensive industries cannot absorb surplus labour.

In the Indian context, several scholars have highlighted the contribution of MSMEs to inclusive growth and rural development. Ghatak (2010) notes that MSMEs act as a bridge between agriculture and industry by providing non-farm employment and promoting entrepreneurship in rural and semi-urban areas. Similarly, government reports of the Ministry of MSME emphasise that micro and small enterprises account for a substantial share of employment and play a critical role in balanced regional development.

Studies focusing on regional and state-level analysis reveal that MSMEs contribute unevenly across regions depending on infrastructure, institutional support, and access to finance. Research on eastern Indian states indicates that MSMEs often remain concentrated in low-technology, labour-intensive activities due to limited access to capital and modern technology. In Jharkhand, existing policy documents and district industrial profiles suggest that MSMEs are closely linked to agro-processing, forest-based industries, and small fabrication units, reflecting the state's natural resource base.

Recent literature has also examined the impact of formalisation initiatives such as Udyam and Udyog Aadhaar registration. Scholars argue that formal registration has improved MSMEs' access to government schemes, credit facilities, and market platforms. However, empirical studies point out that registration alone does not ensure productivity growth unless accompanied by financial inclusion, skill development, and infrastructure support. Many micro enterprises continue to operate at subsistence levels despite being formally registered.

From a policy perspective, studies analysing MSME support programmes emphasise the importance of cluster development, common facility centres, and market linkages. Cluster-based development is found to improve economies of scale, technology diffusion, and competitiveness of small firms. However, district-level implementation gaps often limit the effectiveness of such interventions.

Although the existing literature provides valuable insights into the role of MSMEs at the national and state levels, relatively fewer studies focus on **district-level analysis**, especially in resource-rich but industrially underdeveloped districts. The micro-level dynamics of MSMEs, their sectoral composition, and their specific developmental challenges at the district level remain underexplored.

3. Research Gap

A review of the existing literature reveals that most studies on MSMEs in India focus on national, state, or sectoral perspectives, while **district-specific empirical analyses remain limited**. In the case of Jharkhand, research

largely concentrates on mining, large industries, or state-level MSME performance, with insufficient attention to district-level variations. Hazaribagh district, despite having significant agricultural and forest resources and a sizeable base of micro enterprises, has not been adequately examined in academic literature. There is a clear gap in understanding the structure, sectoral distribution, and development constraints of MSMEs at the district level. This study attempts to fill this gap by providing a focused analysis of MSMEs in Hazaribagh district and by linking enterprise development with local economic and policy contexts. By providing a district-level analysis grounded in official registration and planning data, this study contributes to regional science literature by highlighting micro-level enterprise dynamics in a resource-rich but industrially underdeveloped district.

4. Objectives of the Study

The study pursues the following objectives:

1. To map the current structure and sectoral distribution of MSMEs in Hazaribagh district.
2. To assess the contribution of MSMEs to employment and local economic activity.
3. To examine the reach and impact of state and central MSME initiatives (including registration drives such as Udyam/Udyog Aadhaar) within the district.
4. To identify major constraints and bottlenecks faced by MSMEs in Hazaribagh (finance, technology, infrastructure, skills, market access).
5. To propose context-specific policy and programmatic recommendations to strengthen the MSME ecosystem and promote inclusive local growth.

5. Research Questions

1. What is the current structure and sectoral distribution of MSMEs in Hazaribagh district?
2. How do MSMEs contribute to employment generation and local economic activity in Hazaribagh district?
3. To what extent have state and central government initiatives—particularly Udyam and Udyog Aadhaar registration—improved MSME participation, formalisation, and access to institutional support in Hazaribagh district?
4. What are the major financial, technological, infrastructural, skill-related, and market-access constraints faced by MSMEs in Hazaribagh district?
5. What policy and programmatic interventions can effectively strengthen the MSME ecosystem and promote inclusive and sustainable economic growth in Hazaribagh district?

6. Methodology

6.1 Research design

The study adopts a **descriptive–analytical research design** to examine the structure, sectoral composition, and developmental role of Micro, Small and Medium Enterprises (MSMEs in Hazaribagh district of Jharkhand). A district-level approach is appropriate because regional economic processes and enterprise dynamics often vary significantly within states, and such variations are inadequately captured in state or national level analyses. Given the limited availability of consistent firm-level time-series data at the district scale, the study relies on secondary data to identify broad patterns, structural characteristics, and institutional constraints affecting MSME development.

6.2 Data sources

The analysis is based exclusively on **secondary data** obtained from reliable government and institutional sources, including:

- **District Industrial Profile (DIP/DIPS)** of Hazaribagh prepared by the Office of the Development Commissioner (MSME).
- **Udyog Aadhaar and Udyam Registration Dashboard** (district-wise data) published by the Ministry of MSME, Government of India.
- **District Export Action Plan (DEAP)** and industrial master plan documents of Jharkhand.
- Official publications and policy documents of the **Government of Jharkhand**, including MSME promotion and industrial policies.
- Reports of the **Ministry of MSME**, **Reserve Bank of India**, and related planning documents.
- Relevant academic literature and working papers on MSMEs, regional development, and employment generation.

These sources provide comprehensive information on enterprise registrations, sectoral distribution, institutional support mechanisms, and policy context at the district level.

6.3 Method of Analysis

The study employs a combination of **quantitative description and qualitative institutional analysis**, comprising the following steps:

1. **Compilation and classification of MSME registration data** from the Udyam/Udyog Aadhaar dashboard to examine the scale and category-wise distribution (micro, small, and medium enterprises) in Hazaribagh district.
2. **Sectoral mapping** of MSMEs using District Industrial Profile and planning documents to identify dominant activities such as agro-processing, forest-based enterprises, metal fabrication, textiles, and services.
3. **Indicative employment estimation**, based on standard employment ranges associated with different MSME categories, to assess the potential contribution of MSMEs to district-level employment generation.
4. **Policy and institutional analysis** to evaluate the reach and relevance of central and state-level MSME initiatives (including registration, credit facilitation, and cluster development) within the district context.
5. **Interpretive analysis**, linking MSME structure and performance with local resource endowments, infrastructure availability, and institutional capacity to derive development-relevant insights.

The analytical emphasis is on identifying **structural patterns, constraints, and development linkages**, rather than establishing causal relationships.

7. Hazaribagh District: Context and Economic Base

7.1 Geographic and demographic profile

Hazaribagh district covers roughly 4,302 sq. km and combines plateau, forest, and agricultural areas. Population estimates (projected since Census 2011) indicate a district population in excess of two million (projected population trends show approx. 2.1–2.2 million in the mid-2020s). Literacy rates and labour participation differ across rural and urban blocks, with a notable rural majority dependent on agriculture and forest resources.

7.2 Economic structure

Traditionally, Hazaribagh's economy is anchored by agriculture, forestry and mineral activities. Key crops include paddy, maize, wheat and oilseeds. Forest resources support non-timber forest products and small cottage

industries. The district also hosts small mining and mineral-linked activities (coal and allied services), but large-scale industrialisation is limited compared with other Jharkhand districts. This economic mix shapes MSME opportunities: agro-processing, forest-based products (e.g., lac, bamboo crafts), metal fabrication, repair services, and small food and allied units.

8. MSME Profile of Hazaribagh

8.1 Registration and scale

According to the district-wise registration dashboard (Udyog Aadhaar / Udyam), Hazaribagh has several thousand registered MSMEs. The Udyog Aadhaar data for Jharkhand indicates that Hazaribag(h) district had **9,121** registered units (predominantly micro), reflecting a significant base of formal micro and small enterprises. The overwhelming share of units falls under the micro category with only a small fraction classified as small or medium. This pattern is consistent with district economies where entry costs are low and labour-intensity is high.

MSME Data: Hazaribagh District

The table and figure below present category-wise MSME registration in Hazaribagh district based on Udyam/Udyog Aadhaar registration data.

Table 1: Category-wise MSME Registration in Hazaribagh District

Enterprise Category	Number of Units
Micro Enterprises	8587
Small Enterprises	521
Medium Enterprises	13

Source: Udyam / Udyog Aadhaar Registration Dashboard (Ministry of MSME)

Table 1 indicate that Hazaribagh district has a strong micro-enterprise base, with micro units accounting for nearly 94 per cent of total MSME registrations. The limited presence of medium enterprises suggests structural constraints related to capital availability, technology adoption, and market expansion."

8.2 Sectoral distribution

The DIPS (District Industrial Profile) and district planning documents identify the principal sectors for MSME activity in Hazaribagh as:

- Agro and food processing (milling, oilseed processing, small food units).
- Forest-based and allied (bamboo, lac, minor forest product processing, handicrafts).
- Metal and engineering units (small fabrication, repair and job-work units servicing mining and agriculture equipment).
- Textiles/handloom and small-scale garments.
- Services and trade (repair workshops, retail, tourism-linked services around Hazaribagh plateau and sanctuaries)

8.3 Clusters and industrial areas

Hazaribagh has designated industrial areas and a district master plan that outlines land allotments for industrial plots (master plan documents and industry authority plans show plots for food industries, plastics, electronics, fabrication, and warehousing). Cluster potential has been identified for agro-processing and certain manufacturing segments in district planning documents. The District Export Action Plan highlights products and value chains that could be developed for external markets.

9. Data Analysis

This section summarises the key patterns, combining registration counts, sectoral distribution and institutional facility analysis.

9.1 Scale and growth trends (registration analysis)

- **Formal registration base**: 9,121 registered MSMEs (Udyog Aadhaar / Udyam snapshot) demonstrates a formal presence of micro and small enterprises in the district. While time series data at district granularity is sparse in public dashboards, central and state documents show a rising trend in registrations post-2015 and an acceleration after the introduction of the Udyam portal (post-2020) as formalisation surged nationwide.
- **Micro dominated**: The distribution is heavily skewed to micro enterprises (over 90% of registrations), indicating low capital intensity and high labour absorption, but also constraints on productivity and scaling.

9.2 Employment contribution

- **Direct employment**: Micro units typically employ 1–10 workers. Using conservative estimates (if average micro unit employment = 3–5 persons), the 8,500+ micro units in Hazaribagh could be directly employing between ~25,000 to ~45,000 persons. This is an indicative estimate and recognizes the need for primary surveys for exact figures. It highlights MSMEs' importance for district level employment beyond agriculture. These estimates are indicative and intended to capture the broad employment potential of MSMEs rather than precise firm-level employment.

Table 2: Indicative Employment Generation by MSMEs in Hazaribagh District

Enterprise Category	Number of Units	Avg. Employment per Unit	Estimated Employment Range
Micro Enterprises	8,587	3–5	25,761 – 42,935
Small Enterprises	521	10–20	5,210 – 10,420
Medium Enterprises	13	50–100	650 – 1,300
Total (Approx.)			**31,621 – 54,655**

Employment figures are indicative estimates based on standard employment ranges for MSME categories; actual employment may vary across enterprises.

9.3 Sectoral concentration and value chains

- **Agro-processing**: Given the agricultural base (paddy, maize, oilseeds), local demand for primary processing (milling, oil extraction, small food packaging) supports micro food units. These add value and reduce post-harvest losses when linked to markets.
- **Forest and non-timber forest products (NTFP)**: Hazaribagh's forests offer bamboo, lac and other NTFPs that feed into cottage industries and handicrafts. Strengthening processing and design linkages could expand incomes for tribal and forest-dependent households.
- **Metal fabrication and engineering**: Small fabrication units provide repair and wage-work for agricultural implements and mining equipment. These job-work units are important local suppliers and service providers.
- **Services & trade**: Repair shops, small retail, transport and tourism-related micro firms respond to local demand and tourist inflows to natural attractions in the district.

9.4 Infrastructure & institutional support

- **District Industries Centre (DIC)**: Present within the district to provide single-window support, training and facilitation for MSMEs — a key interface for government schemes (DIC presence and addresses noted in local directories). The DIC supports processes like registration, scheme application, and local promotion.
- **Industrial estate/masterplan**: Planned industrial plots and masterplan for Hazaribagh industrial area provide space for cluster development (e.g., food processing and fabrication plots). However, uptake and plot occupancy vary and require supporting infrastructure (power, roads, testing labs).
- **Export & market support**: The District Export Action Plan identifies specific products and supply chains that can be integrated with state export promotion efforts, but realization depends on meeting quality, standard and logistics requirements.

9.5 Finance, technology, and skills analysis

- **Access to credit**: Like many districts, Hazaribagh's units face difficulty securing formal bank credit, especially micro units lacking collateral or formal accounts. While central schemes and credit guarantee programs exist, awareness and outreach remain limiting factors.
- **Technology adoption**: Many enterprises operate with basic machinery and limited automation. Productivity and product quality improvements require targeted technology transfer and incentive schemes. Masterplan documents suggest potential for shared common facility centers (CFCs) and testing labs to address this gap.
- **Skilling**: Skill gaps—especially for modern agro-processing, quality control, design for handicrafts, and basic entrepreneurship—constrain growth. Training initiatives by MSME-DI, RSETI and state skill missions could be better integrated with local clusters.

10. Findings

From the above analysis, the principal findings are:

1. **Substantial micro-enterprise base**: Hazaribagh's MSME ecosystem is numerically significant (9,000+ registered units), dominated by micro units that provide crucial local employment and livelihood diversification.
2. **Sectoral alignment with local resources**: MSMEs largely reflect the district's resource base—agro-processing, forest-based trades, and metal fabrication—indicating strong potential for value-chain development.
3. **Gaps in finance and formal linkages**: Access to formal credit and working capital remains a limiting factor for scaling. Although state and central schemes exist, the reach into informal micro units is uneven.

4. **Infrastructure and cluster challenges**: Presence of industrial plots and a master plan is positive, but many units need better physical infrastructure (roads, power, storage), and common facilities (testing labs, cold chains) to become competitive for broader markets and exports.
5. **Skill and technology constraints**: Productivity gains require training, design intervention, and technology upgrading—areas where district-level institutions can make a tangible difference.

11. Policy Recommendations

Based on the analysis and district context, the following policy actions are recommended to strengthen MSMEs in Hazaribagh:

11.1 Strengthen access to finance

- **Micro-credit facilitation**: Launch district-level credit fairs and a "finance facilitation desk" at the DIC to connect micro entrepreneurs with microfinance institutions, small finance banks, and banks offering MUDRA loans and CGTMSE guarantees.
- **Simplified collateral mechanisms**: Promote business-friendly collateral substitutes (group guarantees, warehouse receipts for agro units) and accelerate adoption of digital KYC to onboard micro units.

11.2 Promote cluster development & common facilities

- **Common Facility Centers (CFCs)**: Establish CFCs for agro-processing (milling, packaging), NTFP processing, testing labs and design centres; subsidise initial usage to spur demand. District Export Action Plan and masterplan documents suggest specific product focus where CFCs are likely to have strong impact.

11.3 Skill development & entrepreneurship

- **Demand-led training**: Coordinate RSETI, MSME-DI and state skill missions to deliver targeted skilling for metal fabrication, food processing, quality control, packaging, and digital literacy for traders and artisans. Provide entrepreneurship modules and market-linkage training.

11.4 Market linkage and branding

- **Value chain integration**: Use the District Export Action Plan to identify 2–3 priority product lines (e.g., processed food, bamboo products, engineered components) and provide market linkages via trade fairs and e-market access (GeM, eNAM as appropriate).
- **Branding for NTFP & handicrafts**: Support design, packaging and Geographical Indication (GI) exploration for distinctive local products to improve margins for tribal and forest-based producers.

11.5 Improve infrastructure uptake

- **Plug gaps in industrial estate facilities**: Ensure uninterrupted power, access roads, water supply and waste management in the Hazaribagh industrial estate, and fast-track provision of allotments with transparent lease terms. Public-Private Partnership (PPP) models could be considered for warehousing and logistics.

11.6 Encourage formalization and digital adoption

- **Udyam/Udyog Aadhaar outreach campaigns**: While registrations are significant, continued outreach—especially to informal micro units—should be pursued so that more enterprises can access government schemes and credit. Promote digital payment adoption and basic accounting practices.

12. Conclusion

Hazaribagh district's MSMEs are an essential component of local economic resilience and employment generation. The district benefits from a resource endowment (agriculture and forests) that shapes viable MSME sectors—agro-processing, NTFP processing, metal fabrication and allied services. While formal registrations indicate a solid base of micro enterprises, structural constraints (finance, skills, infrastructure and market linkages) hinder productivity and scaling. Focused interventions—finance facilitation, common facility centres, demand-oriented skilling, improved industrial infrastructure, and marketing support—can unlock substantial inclusive growth potential. A coordinated strategy involving the District Industries Centre, state authorities, financial institutions, and civil society (including producer cooperatives) is necessary to translate policy into on-the-ground transformation. The findings have relevance beyond Hazaribagh, particularly for districts with similar agrarian, forest-based, and micro-enterprise-dominated economies. The study thus offers transferable insights for regional development planning in comparable contexts.

13. Limitations of the Study and Suggestions for Future Research

This study uses secondary data and district documents; primary firm-level surveys would yield more precise estimates of employment, productivity and the constraints of individual enterprises. Future research should undertake a representative enterprise survey in Hazaribagh, map value chains quantitatively, and evaluate the impact of specific interventions (e.g., CFCs, credit facilitation) through pilot studies.

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