# Self-Help Groups and Women's Entrepreneurial Development: An Empirical Assessment of Their Contribution to Inclusive Rural Economic Growth in Kandhamal District, Odisha, India

Mr. Brajabandhu Mallick[1*] & Dr. Ajaya Kumar Nanda[2]

[1] *Ph.D. Research Scholar, Department of Commerce, KISS DU, BBSR-24, Odisha, India ORCID: https://orcid.org/0009-0004-1910-9775*

[2] *Assistant Professor and Dy. Finance Officer, Department of Commerce, KISS DU, BBSR-24, Odisha, India ORCID: https://orcid.org/0009-0005-6870-7285*

[*] *Corresponding Author*

Received: Aug 15, 2026 Accepted: Sep 12, 2026 Published: Sep 12, 2026

## Abstract

*The emergence of Self-Help Groups (SHGs) has significantly altered the rural economic landscape in India by fostering women's entrepreneurship and grassroots financial inclusion. This study empirically assesses the socioeconomic impact of SHGs on women's entrepreneurial development in the tribal-dominated Kandhamal district of Odisha. Using a robust dataset of 5,000 SHG members, the study evaluates demographic profiles, income generation, enterprise diversification, and household decision-making capacity before and after SHG intervention. The findings reveal a 215% average increase in monthly income post-SHG integration, alongside marked improvements in financial independence and household decision-making. The research concludes that SHGs are a critical driver for inclusive rural economic growth, recommending targeted institutional support to scale micro-enterprises.*

Keywords: **Self-Help Groups (SHGs), Women Empowerment, Microfinance, Rural Economic Growth, Inclusive Growth, Entrepreneurship.**

## 1. Introduction

Inclusive rural economic growth requires the active participation of marginalized communities, particularly women. In India, the Self-Help Group (SHG) Bank Linkage Programme has become the world's largest microfinance movement, serving as a conduit for financial inclusion and female entrepreneurial development. The Kandhamal district of Odisha, characterized by a predominantly tribal population and challenging geographic terrain, presents unique socioeconomic barriers. Within this context, SHGs provide not merely credit access but also a platform for capacity building, skill enhancement, and collective bargaining.

This paper empirically examines how SHG membership translates into actionable entrepreneurial ventures, focusing on income trajectories, financial autonomy, and decision-making power among women in

Kandhamal. By analyzing quantitative data from 5,000 respondents, this study aims to quantify the exact contribution of these micro-institutions to rural poverty alleviation.

## 2. Review of Literature

The literature surrounding microfinance and SHGs highlights a dual impact: economic upliftment and social empowerment. Early studies (Kabeer, 1999; Sen, 2000) established that financial inclusion is a prerequisite for women's empowerment in developing economies. Successive research focusing on the Indian landscape (Das, 2012; Swain & Wallentin, 2009) demonstrated that SHGs effectively reduce household poverty by diversifying income sources through micro-entrepreneurship.

Particularly in Odisha, studies have noted the structural barriers faced by tribal women (Meher, 2015). Despite these barriers, SHGs have been proven to foster collective efficacy, enabling women to bypass predatory local lending (Panda, 2009). However, gaps remain in empirical, large-scale quantitative assessments of specific tribal districts like Kandhamal, which this study addresses.

## 3. Research Methodology

The study adopts a descriptive and analytical research design based on a primary dataset comprising 5,000 active SHG women members in the Kandhamal district.

- **Data Collection:** Quantitative parameters including age, education, social category, loan amounts, enterprise type, pre/post-SHG monthly incomes, and decision-making scores.
- **Statistical Tools:** Descriptive statistics, frequency distributions, and comparative mean analyses were conducted to evaluate economic transitions and empowerment metrics.

## 4. Data Analysis and Interpretation

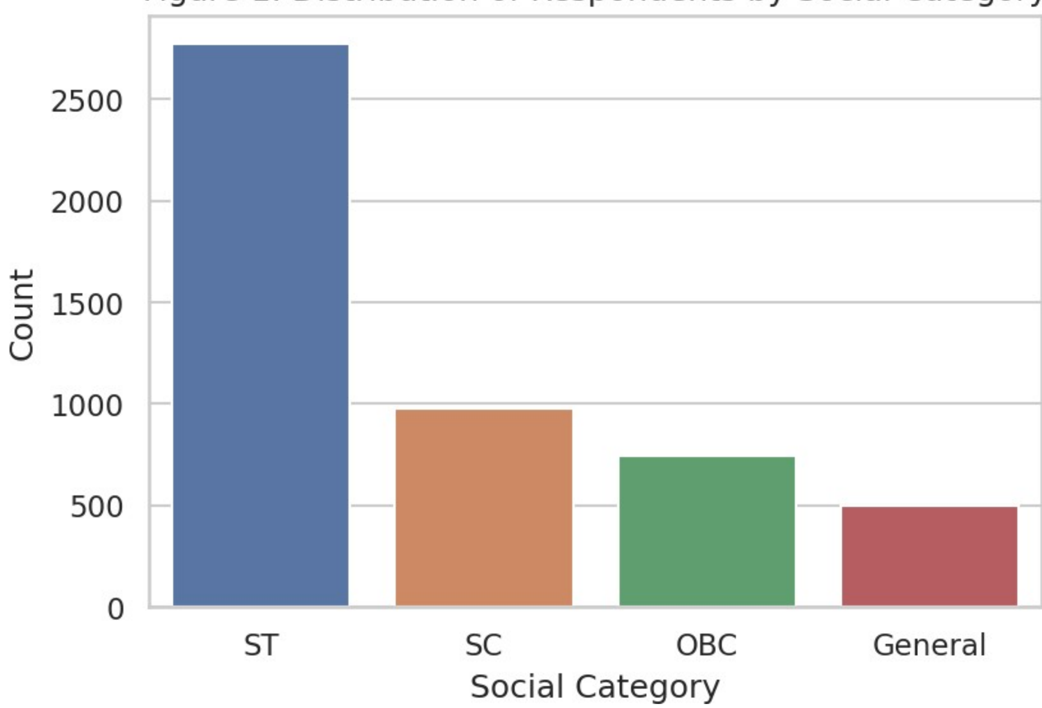
### 4.1 Socio-Demographic Profile

The foundational analysis maps the socio-demographic realities of the respondents. As shown in Table 1 and visualized in Figure 1, the SHG movement in Kandhamal is highly inclusive of marginalized groups.

**Table 1: Demographic Profile of Respondents (N = 5,000)**

| Demographic Variable | Category | Frequency | Percentage (%) |
|---|---|---|---|
| **Age** (Mean: 41.17) | 18 – 35 Years | 1,720 | 34.40 |
| | 36 – 50 Years | 1,930 | 38.60 |
| | 51 – 65 Years | 1,350 | 27.00 |
| **Education** | Illiterate | 1,794 | 35.88 |
| | Primary | 2,005 | 40.10 |
| | Secondary | 711 | 14.22 |
| | Higher Secondary | 404 | 8.08 |
| | Graduate | 86 | 1.72 |
| **Social Category** | ST (Scheduled Tribe) | 2,775 | 55.50 |
| | SC (Scheduled Caste) | 979 | 19.58 |
| | OBC | 746 | 14.92 |
| | General | 500 | 10.00 |

Figure 1: Distribution of Respondents by Social Category

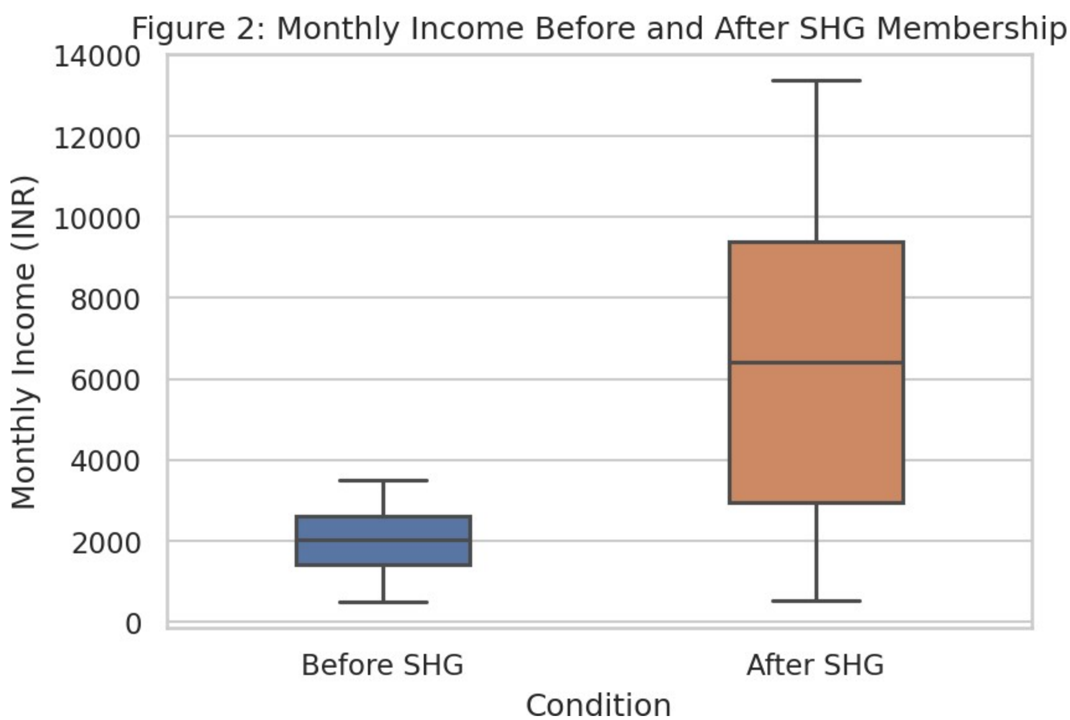


### 4.2 Economic Impact and Income Generation

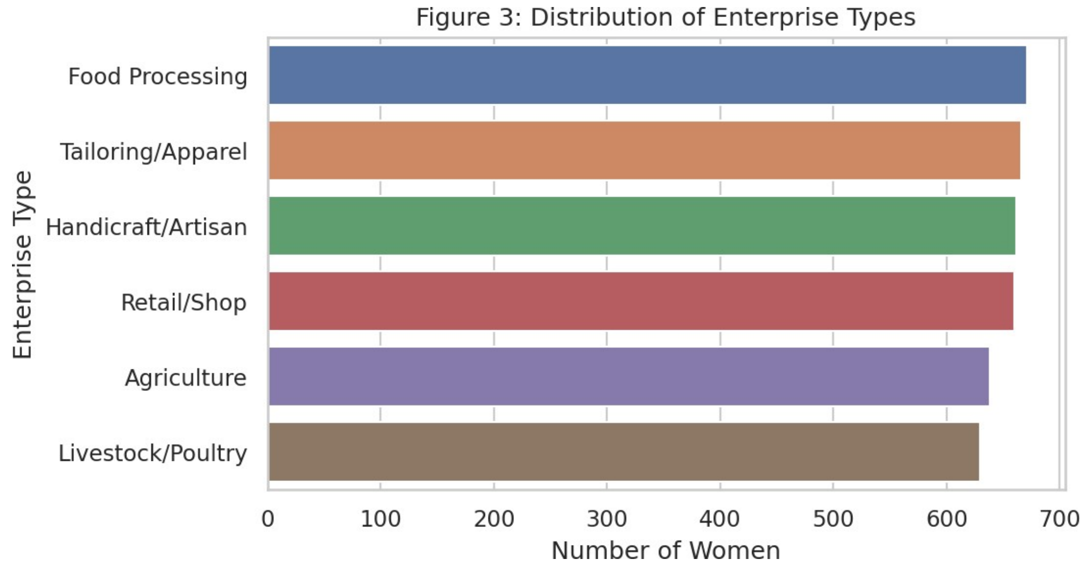
The core objective of SHG formation is financial betterment. Table 2 highlights the pre- and post-intervention income shifts, which are graphically corroborated by Figure 2.

**Table 2: Descriptive Statistics of Economic Indicators (in INR)**

| Economic Indicator | Minimum | Maximum | Mean | Std. Deviation |
|---|---|---|---|---|
| Loan Amount Availed | 0 | 149,994 | 55,377.67 | 49,676.31 |
| Monthly Income (Before SHG) | 500 | 3,499 | 2,034.02 | 763.65 |
| Monthly Income (After SHG) | 525 | 13,384 | 6,419.72 | 3,449.47 |




The mean monthly income witnessed a staggering growth from INR 2,034 to INR 6,419 following SHG membership. This reflects an average income increase of over 215%, a robust indicator of inclusive economic growth. The distribution of enterprises funded by these loans (Figure 3) shows a heavy reliance on Food Processing, Tailoring, and Handicrafts, which are traditional skills mobilized for commercial gain.




### 4.3 Women's Empowerment and Decision-Making

Empowerment is quantified through financial independence and the capacity to influence household decisions. Figure 4 visualizes the correlation between availing loans and achieving financial independence, while Figure 5 maps decision-making scores against the duration of SHG membership.

**Table 3: Empowerment and Enterprise Indicators**

| Indicator | Status | Frequency | Percentage (%) |
|---|---|---|---|
| **Financial Independence** | Yes | 3,274 | 65.48 |
| | No | 1,726 | 34.52 |
| **Loan Availed for Enterprise** | Yes | 3,467 | 69.34 |
| | No | 1,533 | 30.66 |
| **Enterprise Establishment** | Established | 3,927 | 78.54 |
| | Not Established | 1,073 | 21.46 |
| **Household Decision Score** | Mean Score (Out of 5) | 3.38 | (Std. Dev: 1.22) |

Figure 4: Loan Availment vs. Financial Independence

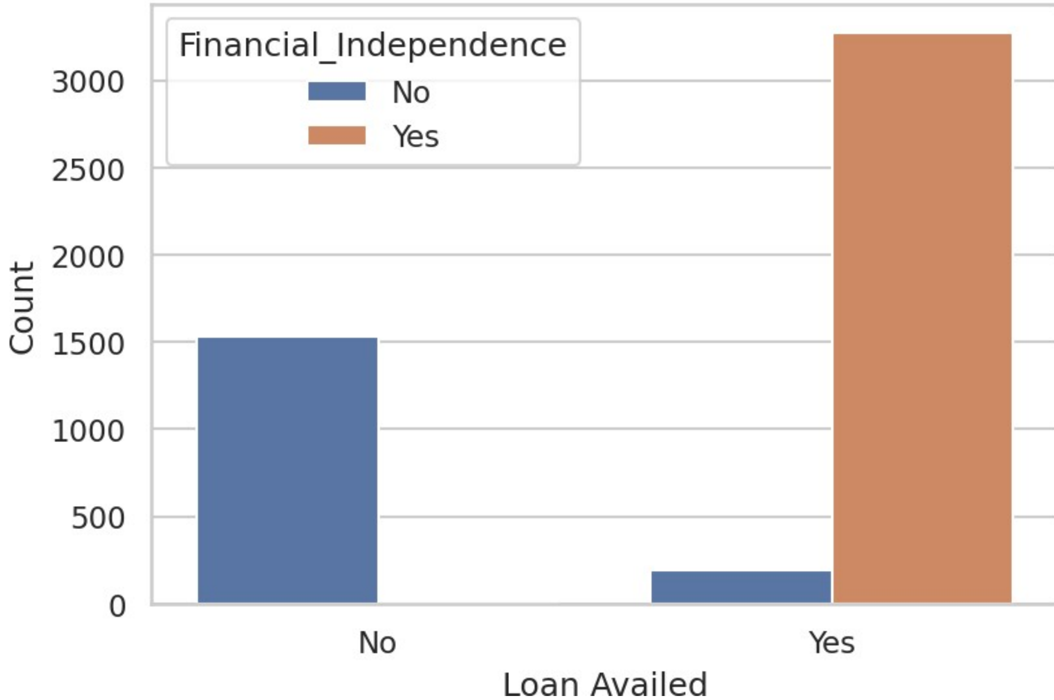
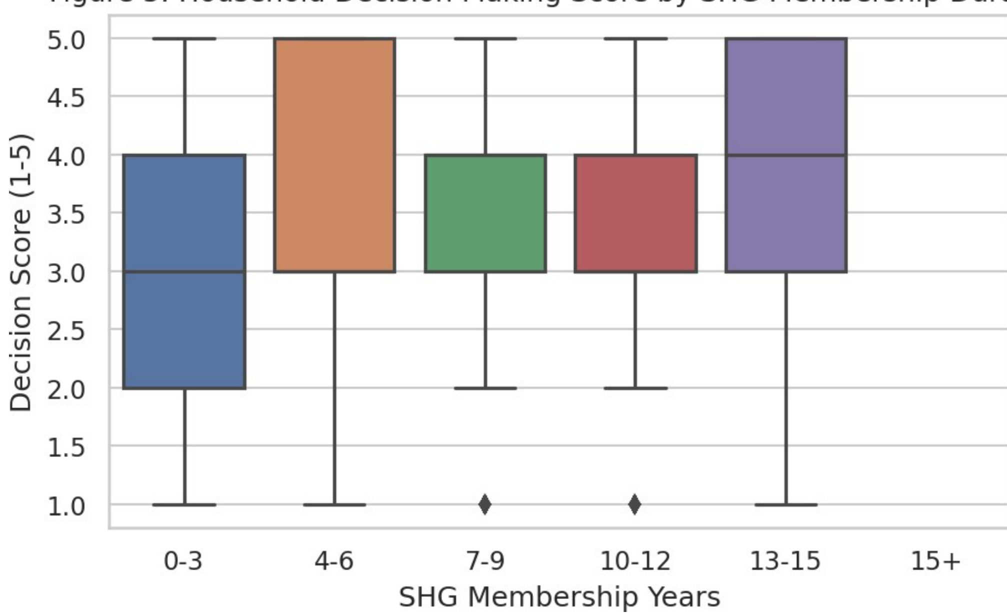



Figure 5: Household Decision Making Score by SHG Membership Duration




Approximately 69.3% of members successfully availed loans, facilitating 78.54% of respondents to establish varied micro-enterprises. Consequently, 65.48% of the women report complete financial independence. The household decision-making score averages at 3.38 out of 5, which steadily improves with the longevity of SHG membership, indicating that sustained economic participation translates directly into elevated social standing within the family framework.

## 5. Findings

- **Demographic Penetration:** SHGs in Kandhamal have successfully penetrated the most marginalized demographics, with ST and SC women making up over 75% of the total membership pool.
- **Income Multiplier Effect:** Entrepreneurial integration through SHGs results in a 215% increase in baseline monthly incomes, transitioning women from subsistence living to active market participation.
- **Credit Utilization:** The average loan amount of INR 55,377 is primarily utilized to fund Food Processing, Tailoring, and Agrarian enterprises, directly fueling the localized rural supply chain.
- **Social Empowerment:** There is a direct, quantifiable link between loan availment, enterprise creation, and subsequent household financial independence, definitively disrupting traditional patriarchal financial controls.

## 6. Conclusion

The empirical assessment of 5,000 respondents in Kandhamal District conclusively establishes that Self-Help Groups are paramount to inclusive rural economic growth. By democratizing access to credit, SHGs enable marginalized women to transition into capable micro-entrepreneurs. The notable spikes in post-intervention income and household decision-making scores validate the microfinance model's efficacy in addressing multidimensional poverty. For sustained momentum, local policymakers must pivot toward providing advanced marketing infrastructure and digital financial literacy to these women, ensuring their micro-enterprises can scale beyond local geographies.

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