



Prospects and Challenges of Minor Forest Produce in Jharkhand: A Critical Review

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Abstract:

Jharkhand, a state endowed with abundant forest resources, presents considerable opportunities for the commerce of Minor Forest Produce (MFP). Non-timber forest products, including medicinal plants, fruit, seeds, and bamboo, can alleviate poverty, enhance rural livelihoods, and support sustainable development. The increasing worldwide need for natural and organic goods creates a lucrative marketplace for the value added MFP products. The MFP sector in Jharkhand encounters several challenges. Inadequate infrastructure, insufficient market linkages, and the prevalence of intermediaries impede the economic potential of MFPs. Climate change and ecological degradation pose significant risks to the availability and quality of these products. Addressing these challenges necessitates the enhancement of institutional support, the promotion of value addition, and the empowerment of forest-dwelling communities. Investing in capacity building, offering financial assistance, and establishing favourable policy environments can enable Jharkhand to realize the significant potential of its MFP sector, thereby fostering sustainable rural development and economic growth. This article delves into the ways in which the tribal groups of Jharkhand make a living, the difficulties they encounter, and possible solutions to these problems in order to guarantee their long-term prosperity.

Keywords: *Minor Forest Produce, Sustainable Development, Value Added, Environment, Policy.*

1. Introduction:

The verdant forests that cover about 29% of the landmass of the eastern Indian state of Jharkhand have earned the state widespread renown. In addition to being essential to the state's economy and ecology, these woods also provide food for the indigenous people that live there. Minor Forest Produce (MFP) is an important resource among many others that come from forests. MFP includes a broad range of non-wood items, including medicinal plants, tamarind, lac, honey, sal seeds, and tendu leaves. Many people in rural areas and indigenous communities depend on forest ecosystems for their livelihood, and these goods are essential to their way of life. There are a lot of obstacles to managing, trading, and using MFP, even if it could help with sustainable development. Examining the economic, ecological, and socio-cultural aspects of MFP, this essay explores the possibilities and obstacles of MFP in Jharkhand and provides recommendations for maximizing its potential.

2. Tribals and their Livelihood:

The Sanskrit terms Jhar (forest) and Khand (land) are the origins of the English name "Jharkhand," which literally means "The Land of Forests." According to the Indian Census, almost 26% of the state's entire population identifies as belonging to a tribal group. The natural resources in their area are vital to the cultural and economic well-being of this demographic. The Santhal, Oraon, Munda, Ho, and other tribal groups in Jharkhand have distinct social and economic systems that are strongly influenced by their natural surroundings. Tribal people in Jharkhand mostly make a living through subsistence farming, forest-based occupations, livestock raising, seasonal work, and traditional handicrafts. But these long-established ways of life are in jeopardy due to contemporary issues like deforestation, land displacement, and social and economic marginalization.

The tribal communities of Jharkhand rely heavily on agriculture for their subsistence. Plants such as rice, corn, millets, and pulses are cultivated by tribal tribes for subsistence purposes. The mountainous landscape and dense forest cover make traditional farming practices like rain-fed farming and shifting agriculture (called jhum in the local dialect) very common. Tribal people rely on forests for a variety of needs, including sustenance, energy, housing, and commerce. Medicinal plants, honey, sal seeds, tendu leaves, and Nahua flowers are all examples of minor forest produce (MFP) that indigenous peoples rely on. Forest products are an important source of income for many indigenous communities. When it comes to collecting and processing MFP, women are especially important because of the substantial revenue they bring in to their households.

There are a lot of tribal people in Jharkhand that rely on MFP. A significant portion of their income and means of subsistence come from it. A considerable portion of the population, especially women, find employment in the collecting, processing, and marketing of MFP. The cultural customs, food security, and traditional practices of many indigenous tribes rely on these forest resources as well. The economic potential of MFP and the welfare of populations depending on forests are undermined by a number of obstacles in Jharkhand, notwithstanding the importance of MFP. Factors connected to structure, ecology, economy, and governance are the root causes of these difficulties.

3. Critical Issues with Jharkhand's Minor Forest Products:

3.1. Inadequate Access to Markets:

The absence of structured marketplaces is a major obstacle for MFP collectors. The local middlemen who many tribal collectors rely on frequently take advantage of them by paying them less than market value for their goods. Items such as tendu leaves, mahua, and lac, for example, are sold for much less than what they are actually worth. Due to the lack of fair and regulated marketplaces, indigenous tribes are forced to sell their goods at a loss, resulting in poor income and ongoing poverty. Problems are made worse by a lack of knowledge about the market and bargaining strength. The MFP trade is dominated by a web of intermediaries who take advantage of collectors' weakness. The producers see almost little profit because of the cheap pricing offered by these middlemen. Collectors have less leverage in negotiations due to a lack of data on market trends, pricing, and demand. Middlemen are even more empowered to impose terms due to this lack of understanding. The prompt and effective delivery of MFPs to marketplaces is hindered by insufficient transportation and storage facilities. The result is a decrease in the total value of the food due to post-harvest losses. There is little room for increased profits due to the lack of value-adding procedures like processing and packaging. The entry of MFPs into premium markets and the subsequent improvement in pricing is hindered by this. When it comes to shipping, storage, and processing, many collectors just do not have the capital. Their reliance on intermediaries is further intensified by this. The bargaining leverage of producers is limited by the scattered nature of MFP collection. They could improve their market standing by forming self-help groups or cooperatives.

3.2. Exploitation by Middlemen:

Middlemen are frequently exploited in the Minor Forest Produce (MFP) trade in Jharkhand, a state abundant with natural resources. Tribal tribes are the principal collectors of MFP, and these middlemen, often dealers and agents, take advantage of their vulnerabilities. Even in the collecting phase, there is a complex network of exploitation. For subsistence, many indigenous peoples travel great distances and endure extreme weather to collect medicinal plants and seeds (MFP), such as tendu leaves, mahua flowers, and sal seeds. Having minimal bargaining power and being socially and economically excluded significantly limits their access to fair markets and prices. Middlemen take advantage of collectors' lack of financial resources by selling MFP at rock-bottom prices. In order to maximize their profits, they frequently use dishonest methods such as underweighting, delayed payments, and quality standard manipulation. Also, because there isn't much in the way of infrastructure or transportation choices in these outlying forest regions, tribal tribes have no choice but to sell their goods to these middlemen at rock-bottom prices. Tribal communities are unable to escape the cycle of exploitation, which keeps them impoverished and stunts their progress.

3.3. Absence of Value Addition:

The economic potential of these goods and the lifestyles of thousands of tribal and forest-dwelling populations are severely limited due to the lack of adding value in the MFP trade chain. Reduced income for collectors is a direct result of selling raw MFPs to middlemen at low prices. Adding value to a product has the potential to raise its price, which in turn could boost the manufacturers' profits. There are substantial losses after harvest because many MFPs are spoilable. These products can have their shelf life extended and waste reduced by value-added processes such as drying, processing, and packing. Due to low demand and competition from less expensive alternatives, raw MFPs are not always easy to come by. However, value-added products have the potential to reach niche markets and command premium prices. Particularly for young people and women in rural regions, value addition has the potential to open up new job opportunities. By creating jobs and encouraging people to start their own businesses, it can also help boost regional economies. The dominance of intermediaries, who frequently take advantage of collectors' frailty, is reinforced by the lack of value addition. Crafters of high-quality goods can cut out the middlemen and sell their wares straight to consumers.

3.4. Weak Implementation of Government Schemes:

Granting rights to forest resources, including MFP, is an effort to empower people that rely on forests. This goal was achieved through the Forest Rights Act (FRA) of 2006 and other government measures. Unfortunately, these provisions have not been adequately enforced in Jharkhand. People who live in forests don't often know what their rights are, and red tape makes it hard for them to take advantage of government programs. One other thing getting policies implemented effectively is when local governance structures, tribal welfare offices, and forest departments don't work together. Many people who live in forests, particularly in more distant places, don't know about government programs, how to apply, or if they qualify. This obliviousness restricts involvement and obstructs the attainment of desired results. Beneficiaries are sometimes discouraged from seeking government schemes due to their complicated administrative processes and cumbersome paperwork. Beneficiaries are already frustrated, and projects can't get off the ground quickly enough, because of delays in application processing and funding release. Money that should have gone toward developing MFPs is instead going to corrupt authorities and middlemen. The efficiency of schemes is reduced and recipients are robbed of their due benefits due to this reallocation of funds. The identification of accomplishment gaps and bottlenecks is hindered by the lack of strong monitoring and evaluation procedures. The overall impact of schemes is compromised due to inefficiencies and abuse of cash caused by the absence of control. It is difficult for many government employees and field people to execute MFP-related programs since they do not have the appropriate training. The effectiveness of interventions is diminished and the quality of implementation is negatively impacted by this capability

shortage. Duplicated efforts, wasted money, and postponed project delivery are the results of poor coordination among the numerous government agencies engaged in MFP development.

3.5. Climate Change and Ecological Degradation:

The combined effects of climate change and ecological degradation pose significant challenges to the livelihoods of forest-dwelling communities who rely on MFPs for subsistence and income generation. Climate change, manifested through erratic rainfall patterns, extreme weather events, and rising temperatures, disrupts the delicate ecological balance, impacting the availability and quality of MFPs. Unpredictable rainfall patterns disrupt the flowering and fruiting cycles of MFP-yielding plants, leading to fluctuations in production and supply. Prolonged droughts can cause severe stress on forest ecosystems, reducing the yield and quality of MFPs. Conversely, excessive rainfall and floods can damage forest habitats, leading to soil erosion, sedimentation of water bodies, and loss of biodiversity. Rising temperatures and altered climatic conditions can favor the proliferation of pests and diseases, affecting the health and productivity of MFP-yielding plants. Moreover, increased frequency of forest fires, exacerbated by climate change, destroys valuable forest resources, including MFP-bearing trees and shrubs. Ecological degradation, driven by factors like deforestation, unsustainable harvesting practices, and pollution, further exacerbates the impact of climate change on MFP trade. Deforestation reduces forest cover, leading to soil erosion, loss of biodiversity, and altered microclimates, which negatively affect the growth and productivity of MFP-yielding plants. Unsustainable harvesting practices, such as overexploitation and indiscriminate collection, deplete MFP resources and hinder their regeneration.

3.6. Lack of Institutional Support:

There aren't enough systems in place in Jharkhand to help MFP dealers and collectors. A lot of places lack or have non-existent cooperative organizations and forest management committees, which may be really helpful in coordinating collectors. Further, there aren't many educational opportunities for eco-friendly harvesting, processing, and selling practices. Because of this lack of institutional support, communities who rely on forests are unable to reap the full benefits of MFP. The livelihoods of millions of tribal and forest-dwelling populations are impacted by the lack of strong institutional support for the growth and development of the MFP industry. The MFP value chain is not able to operate efficiently due to weak institutional structures. Disorganized and dispersed trading practices result from a lack of specialized organizations that facilitate MFP collection, processing, and selling. This leads to restricted market access, post-harvest losses, and poor collector prices. Another issue that prevents effective policies and programs from being implemented is the lack of coordination among the different government ministries that are involved in MFP development. There is often inconsistency and silos because forest protection, silviculture, and MFP development are all handled by separate departments. An integrated strategy to boost the MFP industry cannot be developed or implemented due to the absence of coordination in this area. Government authorities and field staff lack the necessary expertise to tackle the intricate difficulties surrounding MFP trade, which only makes the problem worse. Technical support, market links, and conflict resolution are areas where many officials fall short. Government projects and activities are impeded by this capacity deficiency.

4. Resolving the Issues:

Policy changes, institutional backing, and community involvement are all essential if minor forest produce is to overcome the challenges it faces in Jharkhand. Eliminating exploitative intermediaries can be achieved through the development of organized markets and the connecting of MFP collectors to fair trade networks. Efficacious implementation of government programs, such as the minimum support price (MSP) for MFP, is necessary to provide fair prices for collectors. Tribal communities can sell their produce at competitive rates and access bigger markets through direct-to-consumer channels created through e-commerce platforms. Cooperatives or self-help groups can give MFP collectors more leverage to bargain for cheaper pricing and

participate in government programs. Communities can learn sustainable harvesting and value-adding techniques through capacity-building activities that these groups can facilitate.

Local processing units and value-added training programs can greatly increase MFP collectors' pay. For example, in order to create jobs and enhance local economies, small-scale processing operations for lac, mahua, and tamarind can be established in wooded areas. The government's responsibility is to make sure that assistance programs like the Forest Rights Act are put into action. Tribal communities can be better equipped to claim ownership and benefits from MFP if bureaucratic processes are simplified and forest rights are made more widely known.

Another way to find holes and enhance results is for government initiatives to be monitored and evaluated regularly. In order to keep forest resources intact, it is essential to implement sustainable harvesting methods. Responsible harvesting and conservation can be fostered through community-led forest management efforts, including JFM programs. One way to make sure that MFP will be available for a long time is to teach people how to protect biodiversity and include traditional ecological knowledge.

Agroforestry and MFP species diversification are two examples of climate-resilient practices that can lessen the impact of global warming. Communities can improve their ability to adapt by receiving climate-related information and by setting up early warning systems. Gender equality can only be achieved by giving women the credit they deserve for their contributions to MFP collecting and trade. Forest management decision-making should involve women, and women should have equal access to MFP revenues.

Women collectors can be more empowered and their household incomes improved through training programs and financial incentives that are tailored to their needs. One way to address the current inadequacies is by bolstering forest management committees and creating organizations specifically for MFP support. These organizations should prioritize training, R&D promotion, and market access facilitation. The MFP sector can also benefit from the knowledge and resources that can be brought to bear through collaborations with private sector actors and non-governmental organizations (NGOs). The full potential of MFP can be realized through investments in research. Policy and strategy development can be aided by research on medicinal plant economic value, sustainable harvesting practices, and market trends. The most effective ways to manage and make use of MFP can be better understood through partnerships with educational and research groups.

5. Conclusions:

Minor forest produce holds significant potential for enhancing the financial security of tribal communities and contributing to the economy of Jharkhand. Nonetheless, it is essential to address the difficulties of market access, profiteering, ecological degradation, and inadequate policy implementation to realize this potential. A comprehensive strategy that incorporates government departments, communities at large, NGOs, and business stakeholders is crucial for the inclusive and sustainable growth of the MFP business. Enabling communities that rely on forests and promoting environmentally friendly techniques enables Jharkhand to realize the full value of its abundant forest resources, while maintaining ecological equilibrium and social equity.

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