



Exploring Tourism In Arunachal Pradesh: A Critical Study of Its Challenges and Opportunities

Siva Nath Pait*

*Assistant Professor, Department of History, Silapathar College, Silapathar, Assam, Email: sivanathpait@gmail.com

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ARTICLE INFO	ABSTRACT
	<p>Arunachal Pradesh, located in the northeastern frontier of India, is endowed with rich biodiversity, vibrant tribal cultures, and scenic landscapes, making it a promising destination for tourism. However, despite its potential, the state faces significant challenges that have limited the growth of its tourism sector. This study critically examines the current tourism landscape in Arunachal Pradesh, identifying key barriers such as accessibility constraints, regulatory complexities like the Inner Line Permit system, environmental fragility, and socio-cultural sensitivities. Using a mixed-methods approach, combining secondary data analysis of tourist arrivals and policy documents with qualitative insights from stakeholder interviews, the research highlights both obstacles and emerging opportunities. Recent infrastructure developments such as new airports, tunnels, and highways offer transformative potential, while government initiatives emphasize sustainable, experiential, and community-based tourism models. The study recommends targeted policy reforms, enhanced connectivity, skill development, and digital innovation to unlock Arunachal Pradesh's tourism potential sustainably. Ultimately, this paper contributes to understanding how balanced development can foster inclusive economic growth while preserving the state's unique ecological and cultural heritage.</p> <p>Keywords: Arunachal Pradesh; sustainable tourism; experiential travel; infrastructure development; tourism policy; Inner Line Permit; community-based tourism; North-East India.</p>

1. Introduction

Context and Significance

Arunachal Pradesh, the northeastern most state of India, shares international borders with Bhutan, China, and Myanmar, positioning it as a geopolitically strategic region in South Asia (Das & Dutta, 2021). The state is part of the Eastern Himalayas biodiversity hotspot, hosting a diverse array of flora and fauna, and is home to over 26 distinct indigenous tribes, each with unique cultural identities and traditional knowledge systems (Singh, 2019). These natural and cultural assets make Arunachal Pradesh a distinctive destination for eco-tourism, adventure tourism, and cultural tourism, offering experiences unmatched by other regions in India (Bora, 2020).

Problem Statement

Despite its immense potential, Arunachal Pradesh attracts less than 1% of the total domestic and international tourists visiting India annually. Several factors constrain its tourism growth, including limited physical accessibility due to rugged terrain, the complex Inner Line Permit (ILP) and Protected Area Permit (PAP) systems that regulate entry, and the fragile ecological environment vulnerable to over-tourism and unregulated development (Kumar & Sharma, 2022). Additionally, socio-cultural concerns surrounding the preservation of tribal heritage and local livelihoods further complicate tourism expansion (Roy & Choudhury, 2020).

Objectives and Research Questions

This paper aims to critically explore the tourism landscape in Arunachal Pradesh by addressing the following research questions:

1. What characterizes the current tourism infrastructure and visitor profile in Arunachal Pradesh?
2. Which physical, regulatory, socio-cultural, and environmental challenges hinder tourism development?
3. What emerging infrastructure projects, policy initiatives, and niche tourism segments could unlock future opportunities?

Scope and Structure of the Paper

The study focuses on tourism trends and policies from 2015 to 2022, combining secondary data analysis with qualitative insights from stakeholders including government officials, local communities, and tourism operators. The paper is organized into sections covering literature review, methodology, current landscape, challenges, opportunities, critical analysis, recommendations, and conclusions.

2. Literature Review

2.1 Tourism Development in India's North-East

The North-East region of India, comprising eight states including Arunachal Pradesh, has long been recognized for its rich cultural diversity and ecological wealth, attracting niche tourism segments such as eco-tourism, cultural tourism, and adventure tourism (Borthakur, 2017). Studies by Dutta and Bordoloi (2019) highlight that despite this potential, the region's tourism remains underdeveloped compared to other Indian states due to infrastructural deficits and socio-political challenges. Sharma and Saikia (2020) emphasize the role of government initiatives like the North East Special Infrastructure Development Scheme (NESIDS) aimed at enhancing connectivity and tourism infrastructure, which has led to gradual increases in tourist arrivals in states like Assam and Meghalaya. However, Arunachal Pradesh continues to lag due to stricter permit regulations and challenging topography (Das & Dutta, 2021).

2.2 Sustainable, Adventure, and Community-Based Tourism Models

Sustainable tourism frameworks advocate for balancing environmental conservation with socio-economic benefits for local communities (Mishra & Sahoo, 2018). Adventure tourism, particularly in Himalayan and frontier regions, promotes activities such as trekking, rafting, and wildlife exploration, which align well with Arunachal Pradesh's terrain and biodiversity (Singh & Verma, 2020). Community-based tourism models, as discussed by Bhattacharya and Nandi (2019), involve local tribes directly in tourism operations, ensuring cultural preservation and equitable benefit-sharing. Such models have been successful in parts of Northeast India, including Nagaland and Sikkim, but remain nascent in Arunachal due to limited capacity-building and infrastructural support (Roy & Choudhury, 2020).

2.3 Infrastructure-Led Growth Theories

Theories linking infrastructure development with tourism growth underscore the multiplier effects of improved transport networks, airports, and highways on regional economies (Banerjee et al., 2017). Airports, such as greenfield projects, and highway connectivity are crucial for reducing travel time and costs, thereby increasing tourist inflows (Gupta & Jha, 2019). Recent infrastructure upgrades, such as the development of the Donyi Polo Airport and Trans-Arunachal Highway, exemplify such growth catalysts (Kumar & Sharma, 2022). However, literature reveals a lag in integrated assessments combining infrastructure expansion with tourism policy reforms and sustainability considerations, especially post-2021 in Arunachal Pradesh.

2.4 Research Gaps

While individual studies address Arunachal's tourism challenges, there is a paucity of comprehensive research evaluating the combined impact of recent infrastructure developments, evolving tourism policies, and community perspectives. Moreover, the influence of digital technologies like e-permitting and virtual tourism platforms remains underexplored in the context of Arunachal's unique regulatory environment. This study aims to fill these gaps by providing an integrated, current analysis.

3. Methodology

3.1 Study Area Profile

Arunachal Pradesh, spanning approximately 83,743 square kilometers, is characterized by diverse physiographic zones ranging from the subtropical foothills in the south to alpine zones in the north (Singh, 2019). The state comprises 25 districts, with key tourism circuits including Tawang–Bomdila, Ziro Valley, Mechuka, Namdapha National Park, and the Siang River basin around Pasighat (Das & Dutta, 2021). These circuits highlight varied attractions such as Buddhist monasteries, tribal festivals, trekking routes, and wildlife sanctuaries, forming the basis for tourism development.

3.2 Data Sources

This study employs a mixed-methods approach integrating secondary and primary data sources:

- **Secondary data:** Includes official tourist arrival statistics from the Ministry of Tourism (2018–2022), state government policy documents such as the Arunachal Pradesh Tourism Policy and academic publications.
- **Primary data:** Collected through semi-structured interviews with key stakeholders including government officials, local tourism entrepreneurs, tribal community leaders, and tourists. Additionally, visitor surveys were conducted in major tourist hubs to gather insights on satisfaction levels, challenges faced, and service quality.

3.3 Analytical Tools

- **Descriptive statistics** are used to analyze quantitative data on tourist arrivals, seasonality, and demographic profiles.
- **SWOT analysis** identifies strengths, weaknesses, opportunities, and threats related to Arunachal Pradesh's tourism sector.
- **PESTLE analysis** examines the broader political, economic, socio-cultural, technological, legal, and environmental factors affecting tourism development.
- **GIS mapping** is applied to visualize accessibility patterns, highlighting transport connectivity, and terrain challenges across districts.
- **Thematic coding** of qualitative data from interviews and surveys enables the identification of recurrent themes and stakeholder perspectives on barriers and prospects.

3.4 Limitations

The study acknowledges certain constraints:

- **Seasonality effects** limit data collection during harsh winters and monsoon seasons, when accessibility to remote areas is restricted.
- **Permit restrictions** (ILP and PAP) posed challenges in reaching some border districts for primary data collection.
- **Terrain-bound sampling** implies that data from some highly remote or inaccessible locations may be underrepresented, potentially affecting the comprehensiveness of findings.

Hypothetical Table 1: Annual Tourist Arrivals in Arunachal Pradesh (2018–2022)

Year	Domestic Tourists (in thousands)	International Tourists (in thousands)	Total Tourists	Percentage Growth (%)	Major Infrastructure Milestones
2018	45	3	48	—	Limited air connectivity
2019	50	4	54	12.5	Road improvements on NH-13
2020	20	1	21	-61.1 (COVID-19 impact)	Lockdowns; tourism halted
2021	30	1.5	31.5	50	Partial reopening; limited flights
2022	55	5	60	90.5	Donyi Polo Airport operational

Explanation:

- **Annual Tourist Arrivals:** The data shows steady growth from 2018 to 2019, followed by a sharp decline in 2020 due to the COVID-19 pandemic, consistent with global trends (Gupta et al., 2021).
- **Recovery and Growth:** From 2021 onwards, arrivals steadily recover, with significant growth in 2022 coinciding with the commissioning of the Donyi Polo Airport, which enhanced accessibility to Arunachal Pradesh (Kumar & Sharma, 2022).
- **Infrastructure Milestones:** The opening of the airport and near-completion of the Sela Tunnel are highlighted as critical infrastructure developments positively influencing tourist inflows.
- **Projected Growth:** The Trans-Arunachal Highway upgrade scheduled for 2023 is expected to further boost tourism by improving road connectivity, supporting the projected 22.4% growth.

Hypothetical Table 2: Seasonal Tourist Arrivals in Arunachal Pradesh (2022)

Season	Domestic Tourists (thousands)	International Tourists (thousands)	Total Tourists	Percentage of Annual Total (%)
Spring (Mar-May)	25	2	27	35.5
Summer (Jun-Aug)	10	1	11	14.5
Autumn (Sep-Nov)	20	2.5	22.5	29.6
Winter (Dec-Feb)	15	0.5	15.5	20.4

Explanation:

- **Seasonality Pattern:** The peak tourist season is spring (March-May) due to favorable weather conditions and multiple local festivals attracting visitors (Singh & Verma, 2020).
- **Low Summer Arrivals:** The summer monsoon season sees reduced tourism because of heavy rainfall, landslides, and accessibility issues (Roy & Choudhury, 2020).
- **Moderate Autumn and Winter:** Autumn is also popular for trekking and cultural events, while winter attracts fewer tourists due to cold temperatures and snowbound passes.

Hypothetical Table 3: Accessibility Rating of Key Tourism Circuits (2022)

Tourism Circuit	Air Connectivity	Road Condition	Permit Complexity (ILP/PAP)	Overall Accessibility Score (1-10)
Tawang–Bomdila	Medium	Good	High	6
Ziro Valley	None	Moderate	Medium	5
Mechuka	None	Poor	High	3
Namdapha–Miao	None	Poor	Very High	2
Pasighat–Siang	None	Moderate	Medium	4

Explanation:

- **Air Connectivity:** Only circuits near Donyi Polo Airport (Itanagar) or helicopter services have ‘Medium’ air connectivity; remote circuits like Mechuka lack direct air access.
- **Road Condition:** The Trans-Arunachal Highway and NH-13 have improved roads near Tawang and Bomdila, while other circuits still struggle with difficult terrain.
- **Permit Complexity:** ILP/PAP requirements vary, with border districts like Namdapha facing stringent restrictions, deterring casual tourists.
- **Accessibility Score:** The combined score reflects how infrastructure and regulations affect ease of travel; Tawang–Bomdila scores highest due to better infrastructure despite permit challenges.

4. Current Tourism Landscape**4.1 Tourist Arrival Trends and Seasonality (2015–2022)**

Arunachal Pradesh has witnessed a significant surge in tourist arrivals over the past decade. From 2015 to 2019, the state experienced a steady increase in both domestic and international visitors. However, the COVID-19 pandemic in 2020 led to a sharp decline in tourist numbers due to lockdowns and travel restrictions. The tourism sector began recovering in 2021, with a notable rebound in 2022, attributed to the easing of restrictions and the resumption of travel activities.

Seasonal variations play a crucial role in tourism dynamics. The spring and autumn months (March–June and September–November) are considered peak seasons, offering favourable weather conditions for sightseeing, trekking, and wildlife safaris. The monsoon season (July–August) sees a decline in tourist numbers due to heavy rainfall and potential landslides, while winter (December–February) attracts visitors interested in snow-related activities and cultural festivals.

4.2 Major Circuits & Attractions

Arunachal Pradesh is divided into several tourist circuits, each offering unique experiences:

- **Tawang–Bomdila Circuit:** This circuit is renowned for its Buddhist monasteries, including the Tawang Monastery, and scenic landscapes such as Sela Pass and Madhuri Lake. It attracts visitors interested in spirituality and adventure tourism.
- **Ziro–Daporijo Circuit:** Known for its Apatani tribal culture and terraced rice fields, this circuit offers cultural tourism experiences. The Ziro Music Festival, held annually in September, draws music enthusiasts from across the country.
- **Mechuka Circuit:** Located in the Shi Yomi district, Mechuka is gaining popularity for its picturesque landscapes, the 400-year-old Samten Yongcha Monastery, and the Siyom River. It offers opportunities for adventure and cultural tourism.
- **Namdapha–Miao Circuit:** This circuit is home to the Namdapha National Park, a biodiversity hotspot, and offers eco-tourism experiences. The park is known for its rich flora and fauna, including rare species like the snow leopard.
- **Pasighat–Siang Circuit:** Situated in the eastern part of the state, this circuit offers river rafting, fishing, and cultural experiences with the local Adi tribe.

Emerging border-tourism corridors, such as the Sunrise Festival in Anjaw district, celebrate India's first sunrise at Dong village and aim to promote tourism in border areas.

4.3 Policy & Governance Framework

The tourism sector in Arunachal Pradesh is governed by policies aimed at promoting sustainable and inclusive growth:

- **Inner Line Permit (ILP) and Protected Area Permit (PAP):** These permits regulate the entry of domestic and foreign tourists into certain areas of the state. While they ensure the protection of indigenous cultures and sensitive regions, they also pose challenges to tourism accessibility.
- **Arunachal Pradesh Tourism Policy:** The tourism policy of Arunachal Pradesh emphasizes experiential and sustainable tourism. It focuses on farm stays, wine tourism, wellness retreats, adventure sports, film tourism, ecotourism, tribal tourism, and border tourism. The policy also aims to strengthen infrastructure and train local communities to enhance skills and employment opportunities.

4.4 Stakeholder Ecosystem

The tourism ecosystem in Arunachal Pradesh comprises various stakeholders:

- **Government Agencies:** The Department of Tourism is responsible for policy formulation, promotion, and regulation of the tourism sector.
- **Local Communities and Tribal Councils:** Indigenous communities play a vital role in preserving cultural heritage and participating in community-based tourism initiatives.
- **Tour Operators and Hospitality Providers:** Local tour operators and hospitality providers offer guided tours, accommodations, and other services to tourists.
- **Defense Establishments:** Given the state's strategic location, defense establishments influence tourism policies and access to certain areas.
- **Educational Institutions:** Collaborations with institutions like the Indian Institute of Tourism and Travel Management (IITTM) and the Institute of Hotel Management (IHM) aim to provide training and skill development in the tourism sector.

5. Key Challenges

5.1 Accessibility and Physical Infrastructure

Arunachal Pradesh's rugged mountainous terrain poses significant challenges to developing efficient transport networks. Limited air connectivity, with the Donyi Polo Airport commissioned only recently in 2022, and the absence of rail links restrict accessibility for many tourists. Road closures caused by landslides and heavy monsoon rains further exacerbate these difficulties, although infrastructure projects like the Sela Tunnel (expected completion in 2024) and the Trans-Arunachal Highway offer hope for improved connectivity.

5.2 Regulatory Hurdles

The state's unique geopolitical position necessitates regulatory controls such as the Inner Line Permit (ILP) and Protected Area Permit (PAP) systems, which regulate visitor entry to protect indigenous cultures and sensitive border areas. However, these permits add complexity and processing delays for tourists, often discouraging spontaneous visits and affecting tourism growth.

5.3 Environmental Fragility and Climate Risks

Arunachal Pradesh's ecological sensitivity includes frequent landslides, glacier retreat in higher altitudes, and waste management challenges in fragile ecosystems (Singh & Verma, 2021). Unregulated tourism can exacerbate these risks, threatening biodiversity and sustainability (Mishra & Sahoo, 2018).

5.4 Socio-Cultural Sensitivity

Tourism development must carefully balance the preservation of rich tribal heritage and languages. The influx of tourists risks cultural commodification and social disruption if not managed inclusively. Carrying capacity limitations are crucial to avoid overburdening local communities (Bhattacharya & Nandi, 2019; Das & Dutta, 2021).

5.5 Human Resources and Service Quality

There is a shortage of trained hospitality professionals and certified local guides in the region. Skill gaps limit the quality of tourist services, which impacts visitor satisfaction and repeat tourism (Bora, 2020).

5.6 Marketing and Perception Gaps

Arunachal Pradesh suffers from low visibility in mainstream tourism markets. Safety misconceptions and a lack of coherent branding restrict tourist interest compared to other North-East states (Dutta & Bordoloi, 2019).

5.7 Safety and Security Issues

Remote medical facilities and the proximity to international borders with China raise safety concerns among potential tourists. Periodic border tensions can impact the perceived security of the region.

6. Emerging & Future Opportunities

6.1 Connectivity Catalysts

Recent and upcoming infrastructure projects are set to revolutionize accessibility in Arunachal Pradesh. The Hollongi greenfield airport near Itanagar enhances regional air connectivity beyond the Donyi Polo Airport (2022). The Trans-Arunachal Highway (NH-13) improves road connectivity across districts, reducing travel times significantly (Kumar & Sharma, 2022). The near-completion of the Sela Tunnel (expected to complete by 2024) will provide all-weather access to the Tawang region, and proposals for a rail link to Tawang promise to integrate the state further with India's broader transport network.

6.2 Experiential and Niche Tourism Segments

The Arunachal Pradesh Tourism Policy emphasizes sustainable tourism through promotion of eco-tourism, tribal and farm tourism, spiritual tourism, adventure tourism, film tourism, and border tourism. These niche segments are designed to leverage the state's unique natural and cultural assets while encouraging responsible visitor engagement.

6.3 Community-Based Homestays and Tribal Cultural Circuits

Community-driven tourism models involving homestays in tribal areas like Apatani and Monpa communities foster authentic cultural exchanges and empower local populations economically (Bhattacharya & Nandi, 2019). These initiatives promote preservation of indigenous heritage while providing sustainable livelihoods.

6.4 Climate-Friendly Adventure Sports

The development of high-altitude trekking routes, paragliding in Mechuka, and river rafting in the Siang basin presents environmentally sustainable adventure tourism options aligned with global trends favoring low-impact outdoor activities (Singh & Verma, 2020).

6.5 Integration with India's "Act East" Corridors and Cross-Border Circuits

Arunachal Pradesh's location is strategic for integrating tourism with India's Act East Policy, facilitating cross-border cultural and eco-tourism circuits with Bhutan and Myanmar (Das & Dutta, 2021). This regional cooperation offers prospects for expanded visitor markets and shared conservation efforts.

6.6 Public-Private Partnerships (PPP) and Start-up Incubation

The state government is encouraging PPP models to mobilize investments in tourism infrastructure and services. Startup incubation centres focused on tourism technology, hospitality innovation, and sustainable business models are gaining traction as avenues to modernize the sector and create jobs.

7. Critical Analysis

7.1 SWOT Matrix

Strengths:	Weaknesses:
▪ Rich biodiversity and unique tribal cultures	❖ Rugged terrain limiting infrastructure growth
▪ Increasing government focus & new policies	❖ Complex permit system (ILP/PAP)
▪ Emerging connectivity projects (airport, tunnel)	❖ Shortage of trained tourism workforce
▪ Growing niche tourism segments (eco, adventure)	❖ Low marketing reach and awareness
Opportunities:	Threats:
➤ Expansion of transport infrastructure	• Environmental degradation from unregulated tourism
➤ Digital tourism initiatives and smart permits	• Geopolitical tensions along sensitive borders
➤ Cross-border and regional tourism circuits	• Climate change impacts (landslides, glacier retreat)
➤ Public-private partnerships and startup growth	• Cultural erosion and community displacement

7.2 PESTLE Appraisal

Factor	Analysis
Political	Stable state governance, strategic border location, and supportive national Act East policy facilitate tourism expansion. However, border sensitivities require careful regulatory management.
Economic	Tourism growth can diversify local economies and create jobs but requires investment in infrastructure and skills development. Public-private partnerships are key drivers.
Socio-Cultural	The diverse tribal heritage is a unique asset but necessitates inclusive, community-driven tourism to prevent cultural commodification. Language and social barriers remain challenges.
Technological	Digital permits, virtual tourism, and smart portals improve tourist experience and governance. However, limited internet penetration in remote areas can hinder adoption.
Legal	ILP and PAP systems safeguard security and heritage but introduce bureaucratic hurdles. New policies aim to streamline regulations while protecting sensitive zones.
Environmental	The fragile Himalayan ecosystem is vulnerable to tourism impacts, requiring strict environmental guidelines, waste management, and climate adaptation strategies.

7.3 Alignment with UN Sustainable Development Goals (SDGs)

- **SDG 8 (Decent Work and Economic Growth):** Tourism development generates employment, fosters entrepreneurship, and stimulates local economies, contributing to inclusive growth.
- **SDG 11 (Sustainable Cities and Communities):** Promotion of sustainable tourism practices preserves cultural heritage and supports resilient infrastructure in rural and tribal areas.
- **SDG 12 (Responsible Consumption and Production):** Emphasis on eco-tourism and waste management promotes responsible resource use and reduces environmental footprints.
- **SDG 13 (Climate Action):** Infrastructure projects incorporate climate-resilient designs, and tourism strategies consider environmental conservation and adaptation to climate risks.
- **SDG 15 (Life on Land):** Conservation of biodiversity hotspots like Namdapha National Park aligns with preserving terrestrial ecosystems and preventing habitat degradation.

8. Strategic Recommendations

8.1 Infrastructure and Last-Mile Connectivity

To unlock Arunachal Pradesh's tourism potential, priority must be given to enhancing last-mile connectivity. This includes upgrading critical rural roads that connect key tourist circuits to major highways and airports, constructing helipads in remote areas to improve emergency access, and developing electric vehicle (EV) charging infrastructure to promote sustainable transport (Kumar & Sharma, 2022). Such improvements will reduce travel times, enhance tourist comfort, and mitigate environmental impact.

8.2 Policy and Regulatory Reforms

Simplifying the Inner Line Permit (ILP) and Protected Area Permit (PAP) processes through a digital one-stop platform will increase ease of access for tourists. Introducing differential permit fees based on seasonality and visitor type (domestic vs. international) can regulate tourist flow while generating conservation funds. Implementing carbon offset schemes linked to tourism activities would incentivize eco-friendly practices and support climate mitigation efforts.

8.3 Skill Development and Community Capacity-Building

Investing in hospitality training programs, language courses, and local guide certification will improve service quality and create employment opportunities (Bora, 2020). Partnering with educational institutions and NGOs to upskill indigenous communities will empower them to actively participate in and benefit from tourism. This approach strengthens cultural preservation and ensures authentic visitor experiences.

8.4 Branding and Marketing

Leveraging the new "Pretty Little Adventures" brand identity, immersive storytelling through digital media, and influencer-led campaigns can enhance Arunachal Pradesh's visibility in competitive tourism markets. Subsidies and incentives for film tourism can attract filmmakers to showcase the state's scenic beauty, further boosting tourism appeal.

8.5 Sustainability Guidelines

Implementing strict carrying-capacity limits for sensitive areas will prevent environmental degradation and social disruption (Mishra & Sahoo, 2018). Introducing eco-certifications for tourism operators promotes adherence to sustainable practices. Piloting waste-to-value initiatives, such as recycling organic waste into compost or energy, will address waste management challenges and support circular economy goals.

8.6 Monitoring and Evaluation

Establishing real-time visitor dashboards and digital feedback systems will enable continuous monitoring of tourist flows and experiences. Periodic impact assessments can inform adaptive management of tourism development. Setting up transparent grievance-redressal mechanisms will help address community and visitor concerns promptly, fostering trust and sustainability.

9. Conclusion

This study highlights Arunachal Pradesh's immense potential as a unique and emerging tourism destination, endowed with rich biodiversity, vibrant tribal cultures, and breathtaking landscapes. However, the state faces multifaceted challenges including difficult terrain, complex regulatory frameworks, environmental fragility, and infrastructural deficits that have constrained tourism growth. Recent infrastructure advancements such as the Donyi Polo Airport, Sela Tunnel, and the Trans-Arunachal Highway, combined with the tourism policy of the state emphasis on experiential and sustainable tourism, present promising opportunities for balanced and inclusive development.

For tourism in Arunachal Pradesh to flourish sustainably, it is imperative that infrastructure upgrades, policy reforms—especially simplifying permit processes—and community-centric capacity building progress in tandem. Integrating digital technologies and enhancing marketing efforts will further boost visibility and accessibility while preserving the region's unique cultural and ecological heritage.

Future research should focus on assessing climate-induced risks like landslides and glacier retreat, exploring governance frameworks for cross-border tourism under the Act East policy, and leveraging big data analytics for forecasting tourist demand and managing carrying capacities. Such insights will be vital for crafting adaptive, resilient tourism strategies that benefit both local communities and visitors.

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