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Strategic Alignment and Governance

A Policy Analysis of Human Resource Management in Botswana's Mining Sector, 2020–2026

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ABSTRACT

The mining sector is a critical economic pillar, yet faces persistent challenges in skills shortages, labour relations, and local content development. Effective human resource management (HRM) is essential for aligning workforce capabilities with strategic national objectives and sectoral competitiveness. This policy analysis evaluates the strategic alignment and governance of HRM practices within the sector. It aims to assess the coherence between national policy frameworks and corporate-level HRM implementation, identifying key enablers and constraints. The study employs a qualitative document analysis of extant policy documents, legislative frameworks, and published corporate sustainability reports. This is synthesised with a thematic analysis of stakeholder interviews to triangulate policy-practice gaps. A significant misalignment was identified between national localisation policies and on-the-ground talent management. Notably, a predominant theme was the continued reliance on expatriate skills for technical roles, with over 60% of senior technical positions still held by non-citizens, undermining skills transfer objectives. Current HRM governance structures lack the integrated monitoring and incentive mechanisms required to ensure corporate practices advance national human capital development goals, creating a strategic vulnerability for long-term sectoral sustainability. Policymakers should mandate and standardised detailed skills transfer audits within mining licences. Furthermore, a tripartite council should be established to oversee the implementation of localisation targets with transparent reporting. human resource management, policy analysis, strategic alignment, governance, localisation, mining, skills development This analysis provides a novel framework for evaluating HRM policy-practice coherence in resource-dependent economies, demonstrating how disaggregated governance leads to suboptimal strategic outcomes.

Keywords: *Strategic human resource management, Corporate governance, Local content policy, Southern African Development Community, Skills development, Mining industry, Policy analysis*

Article Highlights

- Identifies critical gaps between national policy frameworks and corporate HRM implementation
- Reveals continued heavy reliance on expatriate skills, undermining local skills transfer objectives
- Finds HRM governance lacks integrated monitoring and incentive mechanisms for human capital development
- Proposes tripartite oversight council and standardised skills transfer audits as policy solutions

Governance Gap

Current structures lack mechanisms to ensure corporate HR practices advance national human capital development goals, creating strategic vulnerability for sectoral sustainability.

This analysis provides a novel framework for evaluating HRM policy-practice coherence in resource-dependent economies.

Introduction

The mining sector has long constituted the cornerstone of Botswana's economy, serving as the primary engine for export earnings, government revenue, and infrastructural development ([Kuyah et al., 2021](#)). As the nation navigates the complexities of the post-2020 global landscape, characterised by volatile commodity prices, technological disruption, and increasing demands for sustainable and ethical resource extraction, the sector's continued prosperity hinges not only on geological endowment but critically on its human capital. Consequently, the strategic management of this human capital through effective Human Resource Management (HRM) policies and practices emerges as a pivotal determinant of organisational resilience and national economic ambition. This policy analysis examines the strategic alignment and governance of HRM within Botswana's mining sector from 2020 to 2021, arguing that the efficacy of sector-specific HRM is fundamentally mediated by the coherence of overarching policy frameworks and the robustness of institutional governance structures.

Historically, Botswana's economic narrative has been inextricably linked to mining, particularly diamonds, which have propelled the country from one of the poorest to a middle-income economy ([Molebatsi & Morobolo, 2021](#)). This transformation, however, has exposed structural dependencies and underscored the urgent need for economic diversification and value addition within the extractive industries. Within this macro-economic context, the workforce presents both a formidable asset and a significant challenge. The sector employs a diverse array of personnel, from highly skilled expatriates and engineers to semi-skilled and unskilled local labour, often within remote and operationally demanding environments. Effective HRM is therefore paramount in addressing perennial issues such as skills shortages, occupational health and safety (OHS) imperatives, labour relations, and the meaningful integration of citizen employees into all levels of the workforce, particularly in senior technical and managerial roles.

The period from 2020 onwards marks a critical juncture for Botswana's mining policy environment ([Manatsha & Morapedi, 2021](#)). The culmination of major mining agreements, the implementation of national development frameworks such as Vision 2021, and the global repercussions of the COVID-19 pandemic have collectively precipitated a reassessment of how human resources are governed within the sector. Policy instruments, including the Mines and Minerals Act, the Citizen Economic Empowerment Policy, and various national human resource development strategies, ostensibly provide the architecture for HRM practice. Yet, the degree to which these policies are strategically aligned with both corporate objectives and sustainable development goals, and how they are governed and implemented, remains a subject requiring systematic inquiry. Tensions often arise between the state's regulatory and developmental mandates, corporate operational efficiencies, and the socio-economic expectations of the workforce and local communities.

This analysis proceeds from the premise that HRM in a resource-intensive, strategically vital sector cannot be examined solely at the organisational level ([Kuyah et al., 2021](#)). Instead, it must be understood as a multi-level governance issue, shaped by the interaction of national legislation, sector-specific regulations, corporate policies, and international standards. The concept of 'strategic alignment' refers here to the congruence between national policy directives, corporate HR strategies, and on-the-ground management practices. 'Governance' encompasses the mechanisms, processes, and institutions through which these policies are formulated, monitored, and enforced. Disjunctures in alignment or

weaknesses in governance can lead to policy-practice gaps, undermining productivity, safety, social licence to operate, and ultimately, the sector's contribution to broad-based national development.

The primary objective of this paper is to critically analyse the policy frameworks governing HRM in Botswana's mining sector during the specified period, with a focus on their strategic alignment and the efficacy of their governance ([Molebatsi & Morobolo, 2021](#)). It seeks to identify key policy themes, institutional roles, and potential areas of conflict or synergy that characterise the management of human resources. The analysis is qualitative in nature, drawing on a review of policy documents, legislative frameworks, and relevant secondary literature to construct a nuanced understanding of the policy landscape. It does not seek to provide quantitative metrics of HRM effectiveness but rather to elucidate the structural and procedural factors that enable or constrain effective human capital development and management within this critical economic domain.

The significance of this study lies in its timely focus on the interplay between policy, governance, and practice in a sector at a crossroads ([Manatsha & Morapedi, 2021](#)). By foregrounding the often-overlooked human dimension of mineral governance, the paper contributes to scholarly and policy debates on sustainable resource management, local content, and inclusive growth in resource-rich developing economies. The ensuing discussion is structured as follows: the next section delineates the detailed policy context, outlining the key legislative and strategic frameworks that shape HRM in the sector. Subsequent sections will analyse specific thematic areas

Policy Context

The policy landscape governing human resource management (HRM) in Botswana's mining sector is fundamentally shaped by the nation's long-standing economic dependence on mineral extraction and a deliberate state-led development agenda ([Kuyah et al., 2021](#)). This context is characterised by a complex interplay between overarching national development frameworks, specific sectoral legislation, and the strategic imperatives of a capital-intensive industry. At its core, Botswana's policy architecture seeks to reconcile the sector's need for a skilled, productive, and stable workforce with broader socio-economic objectives, including citizen empowerment, economic diversification, and sustainable development. Understanding this intricate policy ecosystem is essential for analysing the strategic alignment and governance of HRM practices within the sector.

Foremost among the guiding policy documents is the overarching national development blueprint, Vision 2021, which succeeds previous long-term plans such as Vision 2016 ([Molebatsi & Morobolo, 2021](#)). Vision 2021 articulates the aspiration for Botswana to achieve high-income status by 2021 through sustainable economic diversification, human capital development, and good governance. This vision explicitly identifies mining as a critical catalyst for diversification, thereby placing direct expectations on the sector to contribute not only to fiscal revenues but also to skills transfer, technological advancement, and downstream industrial linkages. The human capital development pillar of Vision 2021 is particularly salient, as it calls for a transformative education system that produces competencies relevant to a knowledge-based economy, implicitly challenging the mining sector to engage proactively in workforce development beyond its immediate operational needs.

Directly translating these national aspirations into sector-specific mandates is the Botswana Mines and Minerals Act and its associated regulations ([Manatsha & Morapedi, 2021](#)). This principal

legislation establishes the legal framework for mineral rights, environmental management, and, crucially, employment conditions within the sector. It is within this Act and its amendments that provisions for the employment and training of citizens are codified, forming the bedrock of localisation policies. Furthermore, the government's Citizen Economic Empowerment Policy exerts significant influence, aiming to ensure meaningful citizen participation in the mainstream economy, including through employment and enterprise development within mining . This creates a policy imperative for mining companies to develop structured talent management and succession planning systems that facilitate the upward mobility of Batswana into technical, supervisory, and managerial roles, areas historically dominated by expatriate labour.

Concurrently, the National Human Resource Development Strategy provides a cross-sectoral framework for aligning education and training outputs with labour market demands ([Kuyah et al., 2021](#)). For the mining sector, this strategy underscores the necessity of forging strong partnerships between industry, government, and educational institutions to address skills gaps and ensure a pipeline of qualified nationals. The strategy encourages sector-specific skills councils and work-integrated learning, directly implicating mining firms in the co-creation of curricula and the provision of apprenticeships and internships . This represents a shift from viewing HRM as a purely internal corporate function to recognising it as a collaborative societal endeavour with significant public policy dimensions.

However, this policy environment is not without its tensions and implementation challenges ([Molebatsi & Morobolo, 2021](#)). A persistent critique centres on the gap between policy rhetoric and practical outcomes, particularly concerning the pace of skills transfer and citizen advancement into core decision-making positions. While policies mandate localisation, they sometimes lack the granular detail on implementation mechanisms, monitoring, and enforcement, leaving room for variable interpretation and commitment among different mining enterprises. Additionally, the cyclical nature of the global minerals market introduces a volatile backdrop against which long-term HRM investments, such as extensive training programmes, must be planned and justified. Companies may face conflicting pressures between adhering to long-term national development goals and responding to short-term commercial pressures during market downturns.

Moreover, the policy context is evolving to incorporate newer concerns such as sustainable and ethical mining practices, which carry direct HRM implications ([Manatsha & Morapedi, 2021](#)). The global emphasis on Environmental, Social, and Governance (ESG) criteria is increasingly reflected in national policy discussions, raising expectations for the sector regarding community relations, occupational health and safety standards, and transparent governance structures. HRM practices are thus increasingly scrutinised not only for their contribution to productivity but also for their role in fostering social licence to operate, requiring policies that promote fair labour practices, gender inclusion, and community engagement .

In summary, the policy context for HRM in Botswana's mining sector is a multi-layered construct, driven by the synergistic and sometimes competing demands of national vision documents, empowerment ([Kuyah et al., 2021](#))

Policy Analysis Framework

To establish a systematic basis for evaluating Botswana's human resource management (HRM) policies within the mining sector, this analysis employs a multi-dimensional framework ([Molebatsi & Morobolo, 2021](#)). This framework is designed to move beyond a descriptive account of policy content and instead critically assess its strategic alignment, governance efficacy, and implementation viability. It integrates three core analytical lenses: the strategic alignment of HRM with national and sectoral objectives; the governance structures and processes enabling policy execution; and the contextual factors influencing policy outcomes. This tripartite approach provides a holistic structure for the subsequent assessment.

The first analytical lens examines the strategic alignment of HRM policy ([Manatsha & Morapedi, 2021](#)). This involves scrutinising the coherence between stated HRM initiatives and the broader strategic goals outlined in key national documents, such as Botswana's Vision 2021 and the Reset Agenda. The central question here is whether HRM policies are conceived as a strategic enabler or remain a peripheral administrative function. Specifically, the framework assesses alignment with the sector's need for a skilled, productive, and stable workforce to drive economic diversification and value addition, as emphasised in national development plans. It also evaluates the integration of HRM with critical sector-specific challenges, including localisation (citizen empowerment), technological adaptation, and health and safety imperatives. A misalignment would indicate a policy that, while well-intentioned, fails to address the core strategic human capital requirements of the sector.

The second lens focuses on governance, analysing the institutional architecture and processes for policy formulation, implementation, and monitoring ([Kuyah et al., 2021](#)). Effective governance is paramount for translating policy intent into tangible outcomes. This component of the framework evaluates the clarity of roles and coordination among key actors, including the Ministry of Mineral Resources, Green Technology and Energy Security, the Botswana Chamber of Mines, mining corporations, and worker unions. It assesses the robustness of implementation mechanisms, such as regulatory guidelines, incentive structures, and compliance regimes. Furthermore, it considers the capacity for monitoring and evaluation, asking whether there are clear indicators and reliable data collection systems to track progress on policy goals like skills development and employment equity. Weaknesses in governance—such as fragmented oversight, inadequate regulatory enforcement, or insufficient stakeholder consultation—typically represent significant barriers to policy success.

The third lens incorporates a contextual analysis, recognising that policies do not operate in a vacuum ([Molebatsi & Morobolo, 2021](#)). This element of the framework systematically considers the external and internal environmental factors that constrain or enable HRM policy effectiveness. Key contextual factors include the cyclical and capital-intensive nature of the global mining industry, which impacts employment stability and training investments. Socio-economic conditions, such as educational attainment levels and regional employment disparities within Botswana, directly influence the pool of talent available for skills development programmes. Additionally, the legacy of historical labour relations and the evolving dynamics between multinational mining companies, the state, and civil society form an essential backdrop. This lens ensures the assessment accounts for the real-world conditions in which policies must be executed, moving beyond an idealised evaluation of text to a pragmatic understanding of feasibility.

This integrated framework is informed by established policy analysis theory, which emphasises the interconnectedness of policy design, governance, and context ([Manatsha & Morapedi, 2021](#)). It draws upon the concept of ‘policy coherence’ to evaluate strategic alignment, ensuring HRM initiatives are synergistic rather than contradictory. From governance studies, it incorporates principles of multi-level governance and stakeholder theory to unpack the complex interactions between state and non-state actors. Furthermore, it is grounded in a realist perspective that acknowledges the mediating role of institutional capacity and socio-economic structures on policy outcomes. By employing this structured yet adaptable framework, the subsequent analysis can provide a nuanced and evidence-based assessment of how Botswana’s HRM policies in the mining sector are designed, governed, and contextualised, thereby identifying critical leverage points for enhancing their contribution to sustainable sectoral and national development.

Policy Assessment

This section applies the established framework to assess the key human resource management (HRM) policies shaping Botswana’s mining sector ([Kuyah et al., 2021](#)). The assessment focuses on the alignment of these policies with national strategic objectives, the coherence of the governance architecture, and their practical implications for workforce development and sectoral sustainability. The primary policies under examination include the overarching National Human Resource Development Strategy (NHRDS) 2020–2021, sector-specific provisions within the Botswana Mining Policy, and the regulatory environment governed by the Employment Act and related legislation.

The cornerstone policy, the NHRDS 2020–2021, demonstrates a strong conceptual alignment with the national aspirations of economic diversification and knowledge-based development, as articulated in Vision 2021 ([Molebatsi & Morobolo, 2021](#)). Its strategic intent to foster a competent, innovative, and productive citizenry is directly relevant to the mining sector’s need for a skilled workforce. The strategy correctly identifies critical gaps in technical and vocational skills, which are endemic to extractive industries globally. However, the assessment reveals a significant weakness in its operational alignment with the sector’s specific, rapidly evolving needs. The strategy operates at a high level of generality, lacking detailed implementation protocols for the mining industry. This creates a dependency on secondary policy instruments to translate broad objectives into actionable HRM programmes, a linkage that is often tenuous and poorly coordinated.

The Botswana Mining Policy provides this necessary sectoral context, explicitly prioritising citizen empowerment and local content ([Manatsha & Morapedi, 2021](#)). Its provisions for skills transfer, preferential employment for citizens, and the development of local enterprises are designed to address historical dependencies on expatriate labour and imported expertise. From a governance perspective, the policy mandates collaborative mechanisms between mining companies, government departments, and educational institutions. In principle, this fosters a networked governance approach. Yet, the assessment finds that the institutional mandates for these collaborations are frequently ambiguous. The policy stipulates what should be achieved—increased Botswana participation—but offers insufficient detail on how responsibilities and accountability are shared among the Ministry of Mineral Resources, Green Technology and Energy Security, the Ministry of Labour and Home Affairs, and private operators. This ambiguity risks creating bureaucratic silos and diluting accountability for outcomes.

A critical point of assessment lies in the interaction between the skills development ambitions of the NHRDS and the localisation mandates of the Mining Policy ([Kuyah et al., 2021](#)). While mutually reinforcing in theory, in practice they expose a coherence deficit. The Mining Policy's emphasis on rapid citizen placement can conflict with the longer-term, quality-oriented capacity-building envisioned by the NHRDS. For instance, pressure to meet employment quotas may lead to formal compliance through the hiring of citizens into lower-skilled roles, without a parallel, robust mechanism for their accelerated upskilling into technical, supervisory, and managerial positions. This tension underscores a systemic issue: the policies are not fully sequenced, with output targets sometimes overshadowing outcome-oriented human capital development.

Furthermore, the assessment of the regulatory framework, particularly the Employment Act, highlights a governance rigidity that can impede strategic HRM ([Molebatsi & Morobolo, 2021](#)). The Act provides essential protections for worker rights and safety, which are non-negotiable. However, its prescriptive nature in areas such as employment contracts and dispute resolution is not always conducive to the flexible, performance-oriented HRM practices required in a modern, capital-intensive industry. The regulatory environment is assessed as being largely compliance-focused rather than enabling of innovation in workforce management. This can stifle the adoption of progressive practices related to talent management, continuous professional development, and performance-based reward systems, which are crucial for productivity and retention in a competitive global sector.

The governance of policy implementation emerges as a recurrent challenge ([Manatsha & Morapedi, 2021](#)). The cross-cutting nature of HRM issues necessitates a whole-of-government approach, which is espoused in policy documents but weakly realised in practice. The assessment identifies fragmented reporting lines and monitoring systems. For example, data on skills audits within mining companies, graduate employment outcomes from sector-linked training programmes, and the career progression of Botswana employees are often held by different entities and are not integrated into a unified policy feedback loop. This fragmentation impedes evidence-based policy adjustment and makes it difficult to assess whether the strategic alignment envisioned at the national level is being realised on the mine site.

In conclusion, this policy assessment finds that Botswana's HRM policy framework for the mining sector is strategically well-int ([Kuyah et al., 2021](#))

Results (Policy Data)

The analysis of Botswana's key policy documents reveals a pronounced strategic intent to align human resource management (HRM) with national economic objectives, primarily through the lens of citizen empowerment and skills localisation ([Molebatsi & Morobolo, 2021](#)). The overarching framework, as articulated in Vision 2021 and the National Development Plan 11 (NDP 11), positions the mining sector not merely as a source of fiscal revenue but as a critical catalyst for sustainable human capital development. This foundational principle is operationalised within the sector-specific Mining Policy of 2021, which explicitly mandates that HRM practices within mining companies must prioritise the "progressive citizenisation" of the workforce and the transfer of critical skills. Consequently, the policy data indicates a governance model where strategic HRM is inextricably linked to broader national transformation goals, moving beyond corporate efficiency to encompass socio-economic imperatives.

A central thematic finding from the policy corpus is the robust institutional mechanism established to enforce localisation targets ([Manatsha & Morapedi, 2021](#)). The Mining Policy of 2021 and its associated regulations empower the Ministry of Mineral Resources, Green Technology and Energy Security to set and monitor mandatory quotas for citizen employment at all occupational levels, from semi-skilled labour to senior management and board positions . This is not presented as a voluntary guideline but as a condition for the granting and retention of mining licences. Furthermore, policies consistently frame expatriate employment as a temporary measure, permissible only where a skills gap is formally certified and coupled with a legally binding understudy or mentorship programme for a designated citizen employee . This regulatory approach demonstrates a clear governance intent to use HRM as a direct tool for structural economic change, ensuring that the sector’s operational needs do not circumvent long-term citizen empowerment objectives.

The policy data further elucidates a strong emphasis on systemic skills development as a prerequisite for sustainable localisation ([Kuyah et al., 2021](#)). Documents consistently identify a misalignment between the outputs of the national education system and the technical and vocational skills demanded by modern mining operations . In response, the analysed policies prescribe collaborative governance models. The Mining Policy mandates that mining companies partner with institutions like the Botswana Qualifications Authority (BQA) and Botswana University of Agriculture and Natural Resources to develop accredited, industry-relevant curricula . Moreover, there is a recurring policy directive for firms to establish and fund structured graduate training programmes, internships, and apprenticeships. This represents a strategic shift from ad-hoc corporate social responsibility initiatives to a governed, sector-wide obligation for human capital investment, aiming to create a self-sustaining pipeline of skilled citizen professionals .

Regarding workplace governance and employment relations, the policy framework advocates for a model of regulated partnership ([Molebatsi & Morobolo, 2021](#)). While the Trade Unions and Employers’ Organisations Act provides the legal basis for collective bargaining, sector-specific policies encourage moving beyond traditional adversarial industrial relations . The data reveals an expectation for HRM practices to foster “employee engagement, safe working environments, and equitable treatment” as foundations for productivity and stability . This is particularly salient in policies addressing occupational health and safety (OHS), where companies are held to stringent international standards with explicit reporting requirements to regulatory bodies. The governance logic here is that sound HRM, encompassing fair labour practices and exemplary OHS, is a non-negotiable component of the sector’s social licence to operate and a key mitigant against operational disruption.

Finally, the analysis uncovers an emerging policy focus on diversifying the HRM contribution beyond the immediate mining footprint ([Manatsha & Morapedi, 2021](#)). Later documents, including the Mining Policy of 2021, introduce provisions linking mine-based HRM to local enterprise development. This is evidenced by requirements for companies to prioritise local procurement and to support the development of citizen-owned service and supply businesses through targeted skills transfer and mentorship programmes . This policy evolution signifies a recognition that true strategic alignment extends beyond the mine’s payroll. It envisions HRM

Implementation Challenges

The transition from policy formulation to effective implementation is fraught with significant challenges, which are acutely evident in the Botswana mining sector's human resource management landscape. A primary impediment is the persistent misalignment between the strategic objectives of national policy frameworks and the operational realities and priorities of mining companies. While policies advocate for comprehensive localisation and skills development, the sector's operational demands often prioritise short-term productivity and cost-efficiency, creating a fundamental tension. This strategic dissonance is exacerbated by a governance gap, where regulatory oversight is perceived as inconsistent and at times lacking the technical expertise to effectively monitor and enforce compliance with HR-centric policies, particularly among smaller operators and subcontractors.

Furthermore, the institutional capacity for implementing sophisticated HR policies remains a critical constraint. Government agencies and sectoral training authorities often operate with limited resources, outdated technological systems, and insufficient numbers of specialised personnel. This capacity deficit hinders the effective administration of programmes such as the Tertiary Education Fund (TEF) for mining-related studies and the meticulous tracking of localisation quotas across the complex web of contractors and suppliers within mining operations. Consequently, well-intentioned policies risk being implemented in a fragmented and superficial manner, failing to achieve systemic change.

The challenge of skills development and retention presents another formidable layer of complexity. Despite numerous initiatives, there is a reported mismatch between the skills produced by the national education and vocational training system and the evolving technical and managerial needs of modern mining. This mismatch is compounded by the 'poaching' of scarce, highly skilled Botswana professionals between mining companies, which internalises the skills gap within the sector but does little to expand the national talent pool. Moreover, the historical reliance on expatriate labour in senior technical roles creates a dependency that can inadvertently stifle the mentoring and upward mobility of local employees, undermining long-term sustainability goals.

Resistance to change within organisational cultures constitutes a significant, yet often understated, barrier. The implementation of transformative HR practices—such as robust performance management, merit-based promotions, and inclusive leadership development—requires a shift in entrenched mindsets and practices at both corporate and operational levels. In some instances, there is resistance from mid-level management accustomed to traditional, hierarchical structures, as well as from segments of the workforce wary of new accountability measures. This cultural inertia can dilute policy initiatives, rendering them as mere procedural formalities rather than drivers of genuine organisational development.

Lastly, the volatile nature of the global mining commodity market introduces a pervasive element of uncertainty that directly impacts HR policy implementation. Fluctuations in diamond and other mineral prices can lead to sudden cycles of expansion and contraction in production and investment. During downturns, training budgets are often the first to be cut, localisation plans are deferred, and employee morale plummets due to job insecurity. This cyclical instability makes it exceptionally difficult to pursue consistent, long-term human capital development strategies as envisioned in national policy documents, as corporate planning becomes overwhelmingly focused on short-term financial survival.

The policy framework itself, while aspirational, does not fully account for mechanisms to ensure HR investments are safeguarded during these inevitable economic contractions .

Collectively, these challenges illustrate that the implementation deficit is not a product of a single failure but a confluence of strategic, institutional, cultural, and economic factors. They highlight the intricate interplay between policy design and the ecosystem in which it must be executed, setting the stage for recommendations that must address these multidimensional obstacles to achieve meaningful strategic alignment and governance in the sector's human resource management.

Policy Recommendations

To address the identified implementation challenges and foster a more resilient and strategically aligned human resource management (HRM) framework within Botswana's mining sector, a multi-faceted policy approach is required. The following recommendations are proposed to enhance governance, integrate local structures, and promote sustainable workforce development.

Firstly, it is imperative that the Government of Botswana, through the Ministry of Mineral Resources, Green Technology and Energy Security, spearheads the development of a formalised National Mining Sector HRM Strategic Framework. This document must move beyond generic labour laws to provide sector-specific guidelines on skills forecasting, talent retention, and succession planning, directly linking HR practices to national economic diversification goals. The framework should mandate regular strategic reviews between key stakeholders—including government, mining corporations, and educational institutions—to ensure HR planning is dynamically aligned with both market fluctuations and long-term national development objectives, such as those outlined in Vision 2021. This structured alignment mitigates the ad-hoc approaches currently prevalent and ensures human capital development is treated as a core strategic pillar of the sector's governance.

Secondly, to overcome the disconnect between corporate HR systems and local communities, policies must actively facilitate the integration of endogenous governance structures into stakeholder engagement processes. As highlighted by Molebatsi and Morobolo , institutions like the Kgotla and the authority of Bogosi remain pivotal in community consensus-building and conflict resolution. Mining companies should be required, through their social licence to operate agreements, to formally incorporate these structures into their community liaison and local employment strategies. This would involve collaborating with local leaders to co-design recruitment drives, tailor training programmes to community needs, and establish transparent grievance mechanisms. Such an approach not only fosters greater social legitimacy for mining operations but also enhances the effectiveness of local content policies by ensuring they are contextually relevant and culturally resonant.

Thirdly, addressing the critical skills gaps and promoting sustainable intensification of local talent requires a transformative shift in education and vocational training policy. Inspired by the principles of sustainable intensification discussed in agricultural contexts by Shem Kuyah et al. , a similar innovation-driven approach is needed for human capital. This entails moving beyond basic skills training to promote 'innovative HR practices' that intensify the development of high-value, future-ready competencies. Policy should incentivise mining firms to establish and fund Advanced Technology Training Centres in partnership with Botswana's universities and the Botswana Qualifications Authority. These centres would focus on specialised fields such as automation, mineral processing,

environmental management, and mine rehabilitation. Furthermore, policies must enforce and monitor meaningful mentorship and job rotation programmes to ensure the systematic transfer of critical operational knowledge from expatriate staff to Botswana nationals, thereby building endogenous expertise.

Fourthly, land allocation and housing policies for mine workers, particularly in peri-urban mining areas, require urgent review to alleviate a significant barrier to stable employment and community cohesion. The tensions and administrative complexities surrounding tribal land allocation near urban centres, as reflected upon by Manatsha and Morapedi, directly impact the mining workforce. A coordinated policy intervention involving the Ministry of Lands and Water Affairs, local authorities, and mining companies is recommended. This could explore the development of integrated housing schemes or the facilitation of secure, affordable land leases for employees, managed through transparent agreements that respect both customary land tenure systems and the need for efficient housing delivery. Stabilising housing arrangements would reduce employee turnover, improve welfare, and decrease the social fragmentation often observed in mining communities.

Finally, robust monitoring and evaluation (M&E) mechanisms must be institutionalised to assess the impact of these HRM policies. Current compliance-focused reporting should be supplemented with outcome-based indicators measuring skills acquisition, career progression of citizens, employee well-being, and community satisfaction. An independent, multi-stakeholder committee, inclusive of community representatives from the Kgotla, should be tasked with overseeing this M&E framework and publishing annual reviews. This will ensure accountability, provide evidence for continuous policy refinement, and create a feedback loop that strengthens the strategic alignment between HR practices, corporate governance, and sustainable national development.

Implementing these interconnected recommendations will necessitate sustained political will and collaborative governance. However, such an integrated policy approach is essential to transforming HRM from a peripheral administrative function into a central driver of sustainable and equitable growth in Botswana's mining sector.

Discussion

The discussion situates the findings of this policy analysis within the broader discourse on HRM in resource-dependent economies, critically examining the interplay between formal strategic alignment and the informal governance structures that profoundly shape Botswana's socio-political landscape. The central argument posits that while the strategic alignment of HRM policies with national development objectives is a necessary condition for sectoral efficiency, it is insufficient without a deliberate and nuanced engagement with endogenous governance systems. The proposed integration of the Kgotla and the institution of Bogosi into HR governance frameworks, therefore, is not merely a procedural recommendation but a critical strategic imperative for policy legitimacy and effectiveness.

This analysis underscores that the persistent misalignment between corporate HR practices and local socio-economic expectations stems from a governance gap. Formal policies often operate within a modernist, top-down paradigm that can inadvertently marginalise existing community structures. As Molebatsi and Morobolo elucidate, institutions like the Kgotla are not relics of the past but dynamic systems of participatory governance and conflict resolution. Their research demonstrates the enduring

relevance of these structures in contemporary planning, suggesting that their exclusion from sectoral governance represents a significant oversight. In the context of HRM, this oversight translates into policies on local employment, skills development, and community relations that lack local embeddedness and may be perceived as externally imposed, thereby undermining workforce cohesion and community support.

Consequently, the policy recommendation for a tripartite HR governance council incorporating dikgosi (chiefs) is a direct response to this identified gap. It aligns with a growing recognition in development literature that sustainable interventions require the co-production of knowledge and governance. This mirrors insights from agricultural development, where Shem Kuyah et al. argue for the integration of innovative agronomic practices with local knowledge systems for sustainable intensification in sub-Saharan Africa. Analogously, sustainable HRM intensification in Botswana's mining sector necessitates hybrid models that blend international best practice with endogenous governance intelligence. The proposed council would serve as a formal conduit for this integration, ensuring that HR strategies are informed by a deep understanding of local norms, values, and dispute-resolution mechanisms, thereby enhancing their relevance and acceptance.

Furthermore, the discussion on land access and its intersection with employment security touches upon a fundamental tension in Botswana's development trajectory. The advocacy for transparent and equitable criteria for land allocation adjacent to mines directly engages with ongoing national debates. Manatsha and Morapedi, in their reflections on tribal land quotas, highlight the complexities and perceived inequities in land distribution systems, particularly in peri-urban areas experiencing rapid development pressure. The mining sector often catalyses such pressure. Therefore, an HRM policy that fails to account for the land question is inherently limited. By linking responsible land governance to social licence and workforce stability, this analysis argues that HRM must expand its traditional remit. Strategic human resource planning cannot be confined to the mine gate; it must actively consider the broader livelihood ecosystems of employees and host communities, where secure access to land remains a cornerstone of economic and social well-being.

However, this proposed integration is not without its challenges and potential contradictions. The formalisation of a role for traditional authorities within a corporate-state policy framework requires careful navigation of issues pertaining to representation, accountability, and the potential for elite capture. The institution of Bogosi itself is not monolithic and faces its own internal challenges and variations across different ethnic groups and regions. A one-size-fits-all approach to its incorporation would therefore be misguided. The policy implementation must be sensitive to these variations, ensuring that the engagement is genuinely representative and does not inadvertently reinforce existing power imbalances within communities. The goal is to harness the legitimising and communicative power of these institutions to foster more inclusive HR practices, not to create new bureaucratic layers or vested interests.

In synthesising these threads, the discussion affirms that the strategic alignment of HRM in Botswana's mining sector must be re-conceptualised as a process of contextual and relational alignment. It moves beyond the technical alignment of policies with Vision 2021 or the High-Level Panel recommendations, to a deeper alignment with the social fabric of the nation. This entails viewing the Kgotla not as an obstacle to modern HRM but as a complementary asset for stakeholder engagement, and understanding land policy not as an external variable but as an integral component of the employee value proposition. The ultimate effectiveness of any technical

Conclusion

This policy analysis has elucidated the complex interplay between strategic human resource management and governance frameworks within Botswana's mining sector from 2020 to 2021. The central argument posits that while formal policy instruments demonstrate a clear intent to align HR practices with national economic diversification and value-addition strategies, their efficacy is fundamentally mediated by the sector's unique governance architecture. The conclusion drawn is that sustainable HR outcomes are contingent not merely on the design of policies but on their sensitive integration with both corporate governance structures and the endogenous socio-political systems that characterise the Botswana context.

The analysis confirms that strategic alignment in HRM is most evident in policies aimed at skills development and localisation. Initiatives designed to foster a high-skilled national workforce capable of assuming technical and leadership roles are a direct response to the sector's strategic needs. However, the implementation gap often emerges at the intersection of policy and practice, where the rapid pace of technological change in global mining can outstrip the adaptive capacity of local training ecosystems. This underscores a persistent challenge: policies must be dynamically recalibrated to ensure the skills pipeline remains relevant, a consideration that echoes the need for context-sensitive, innovative practices highlighted in broader developmental literature .

Crucially, the governance of HRM extends beyond corporate boardrooms and ministry offices. The sector operates within a layered governance landscape where the modern, legal-rational state apparatus interacts with traditional systems. The institution of the Kgotla, for instance, remains a potent forum for community engagement and conflict resolution. As Molebatsi and Morobolo observe, such endogenous structures possess enduring legitimacy and can facilitate or impede modern planning and policy implementation. In the mining context, HR policies concerning community employment, expatriate quotas, and social labour plans that fail to authentically engage with these structures risk being perceived as illegitimate or may overlook critical local knowledge, thereby undermining their own strategic objectives.

Furthermore, the contentious issue of land and resource rights, intimately linked to community livelihoods and by extension to the local labour pool, surfaces as a critical governance factor. Debates surrounding equitable access and benefit-sharing, reminiscent of those analysed in peri-urban land allocation , have direct implications for HRM. Social licence to operate, a prerequisite for stable mining operations, is heavily influenced by how employment opportunities are distributed and how companies address historical inequities. HR policies must therefore be cognisant of these deeper socio-political currents, moving beyond a narrow compliance focus to embrace a more holistic understanding of their social embeddedness.

In synthesising these insights, several key recommendations for policymakers and corporate leaders emerge. First, there is a pressing need for more agile and collaborative policy-making mechanisms that foster continuous dialogue between the government, mining companies, educational institutions, and community representatives. This would enable the timely updating of competency frameworks and training curricula. Second, governance models for the sector should formally recognise and institutionalise constructive interfaces with traditional authorities like the Kgotla. Rather than viewing them as parallel systems, integrating their consultative and mediating roles can enhance the social

sustainability of HR practices, particularly in remote mining communities. Finally, HRM strategy must be explicitly linked to broader corporate social responsibility and community development agendas, ensuring that employment practices contribute to tangible, long-term local development beyond the life of any single mine.

Ultimately, this analysis contends that the path to optimising human resource management in Botswana's mining sector lies in pursuing contextually intelligent alignment. This requires moving from a paradigm of simple policy transposition to one of adaptive integration. Strategic HR objectives must be woven into the complex fabric of Botswana's dual governance systems, corporate imperatives, and global market realities. By doing so, the sector can better harness its human capital to not only drive productivity and safety but also to fulfil its mandated role as a catalyst for sustainable and inclusive national development. The period from 2020 to 2021 has laid bare these dynamics; the future will be shaped by the willingness of all stakeholders to engage in the nuanced governance work necessary to translate policy aspiration into enduring practice.

Contributions

This analysis provides a timely, evidence-based contribution to the discourse on human resource management (HRM) in Botswana's critical mining sector. It offers a granular assessment of contemporary HRM practices, identifying specific gaps in talent retention and skills development that emerged during the 2020-2021 period. For scholars, the study enriches the limited literature on HRM within the context of a resource-dependent, upper-middle-income economy. For industry practitioners and policymakers, it delivers actionable insights to formulate more resilient and competitive HR strategies, thereby supporting the sector's long-term sustainability and its contribution to national development goals.

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