

Impact Of Mukwano Detergents Company On Infrastructural Development. A Case Of Mukwano Group Of Companies Kampala

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Abstract

The study examined the impact of Mukwano Detergents Company on infrastructural development in Kampala, Uganda. Mukwano Group of Companies, established in 1986, emerged as one of East Africa's leading manufacturing conglomerates with significant operations in household consumer goods production. The company's expansion and operational scale necessitated substantial infrastructural investments, both within its facilities and in surrounding communities. The research investigated how a major private sector manufacturing entity contributed to infrastructure development through direct investments, partnership initiatives, and indirect economic multiplier effects. The study was premised on the understanding that large-scale manufacturing companies often served as catalysts for infrastructure development in developing economies, particularly in areas where public sector investment remained limited. The study employed a case study research design utilizing both qualitative and quantitative approaches. Data was collected from 120 respondents including Mukwano Group management (15), employees (50), local community members (40), and government officials (15) through structured questionnaires and semi-structured interviews. Secondary data was obtained from company reports, government infrastructure records, and academic publications covering the period 2010-2023. Purposive and simple random sampling techniques were utilized to select respondents. Data analysis was conducted using descriptive statistics and thematic content analysis. Infrastructure development was measured across four dimensions: physical infrastructure (roads, utilities), social infrastructure (healthcare, education facilities), economic infrastructure (supplier networks, distribution systems), and technological infrastructure (communication systems). Results indicated that Mukwano Detergents Company made substantial contributions to infrastructural development. The company invested approximately UGX 12.5 billion in direct infrastructure improvements between 2010-2023, including road construction (4.2km of access roads), water supply systems serving 15,000 residents, and electricity grid extensions reaching 8 neighboring communities. Employment generation stood at 2,450 direct jobs and an estimated 8,700 indirect jobs in the supply chain and distribution networks. The company established 23 health and safety facilities, supported 12 educational institutions, and facilitated technological infrastructure through digital payment systems reaching 450 retail partners. Statistical analysis revealed strong positive correlations ($r=0.78$, $p<0.01$) between company operations intensity and infrastructure quality indicators in surrounding areas. The study concluded that Mukwano Detergents Company significantly influenced infrastructural development in Kampala through multiple channels including direct capital investments, public-private partnerships, and economic multiplier effects. The company's infrastructure contributions extended beyond immediate operational needs to benefit broader community development objectives. However, infrastructure development remained concentrated in areas proximate to company facilities, suggesting geographic limitations in impact

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distribution. The study recommended enhanced public-private partnership frameworks to formalize and expand private sector infrastructure contributions, development of infrastructure impact assessment protocols for large manufacturing entities, and establishment of community infrastructure funds supported by corporate contributions with transparent governance mechanisms.

Keywords: Infrastructural development, Mukwano Group, private sector investment, corporate social responsibility, manufacturing sector, Kampala, Uganda

1.0 BACKGROUND OF THE STUDY

Infrastructure development constituted a fundamental prerequisite for economic growth and sustainable development in developing economies (Edgar & Moses, 2023). In Uganda, infrastructure gaps represented significant constraints to industrial expansion and economic transformation. The manufacturing sector, accounting for approximately 18% of GDP in 2023, emerged as both a beneficiary of infrastructure improvements and a contributor to infrastructure development through direct investments and economic spillover effects (Lydia et al., 2023).

Mukwano Group of Companies, established in 1986 by Alykhan Karmali, evolved from a small edible oil processing unit into one of East Africa's largest diversified manufacturing conglomerates (Ahumuza et al., 2025). The group's operations encompassed household consumer goods production, particularly detergents, soaps, cosmetics, and edible oils. By 2023, Mukwano Group operated multiple manufacturing facilities across Uganda with an estimated annual production capacity exceeding 150,000 metric tons of various products (Julius & Matovu, 2025). The company's market presence extended across Uganda, Kenya, Tanzania, Rwanda, Burundi, South Sudan, and the Democratic Republic of Congo.

The detergents division represented a core operational segment, accounting for approximately 35% of total group revenue. Mukwano's detergent brands, including Aya, Boom, and Nuvo, achieved significant market penetration in the East African region (Sarah & Audrey, 2024). The scale of detergent manufacturing operations necessitated substantial infrastructure investments including industrial facilities, transportation networks, water supply systems, energy infrastructure, and waste management facilities. These infrastructure requirements extended beyond company premises to encompass broader supply chain and distribution networks (Regan et al., 2024).

The relationship between large-scale manufacturing operations and infrastructure development manifested through multiple channels. First, companies made direct infrastructure investments to support operational requirements. Second, manufacturing operations generated demand that justified public sector infrastructure improvements. Third, employment and income generation created economic capacity for infrastructure development. Fourth, technology transfer and knowledge spillovers enhanced infrastructure planning and implementation capabilities (Julius et al., 2024).

Theoretical frameworks informing this study included the growth pole theory, which posited that economic development occurred unevenly around strategic locations or industries that served as growth poles, stimulating further economic activity and infrastructure development in surrounding areas (Moses & Ntirandekura, 2022).

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Additionally, stakeholder theory provided perspective on how corporate entities balanced multiple stakeholder interests, including community infrastructure needs, within operational decision-making processes (Ntirandekura & Friday, 2022).

Uganda's infrastructure landscape in 2023 reflected ongoing challenges despite improvements over the preceding decade. Road density remained low at 0.4 km per square kilometer compared to the Sub-Saharan African average of 0.5 km per square kilometer. Electricity access rates stood at 57% nationally and 66% in urban areas, while water supply coverage reached 74% in urban centers. These infrastructure deficits constrained industrial operations and created imperatives for private sector infrastructure investment.

1.1 PROBLEM STATEMENT

Despite Uganda's manufacturing sector growth and the presence of major industrial entities like Mukwano Group, systematic documentation of private sector contributions to infrastructure development remained inadequate (Julius & Desire, 2025). Infrastructure deficits in Kampala and surrounding areas persisted, with road quality, utility access, and social amenities remaining below optimal levels (Faridah et al., 2023). While Mukwano Detergents Company represented one of the largest manufacturing operations in the region, the extent, nature, and effectiveness of its infrastructure development contributions had not been comprehensively assessed (Promise et al., 2024). This knowledge gap hindered evidence-based policy formulation regarding private sector roles in infrastructure development (Frank et al., 2023). Furthermore, mechanisms for optimizing private sector infrastructure contributions through appropriate incentive structures and partnership frameworks remained underdeveloped (Julius & Kazaara, 2025). The lack of empirical evidence on corporate infrastructure impacts limited the ability of policymakers, community leaders, and corporate managers to design effective infrastructure development strategies that leveraged private sector capabilities while addressing community needs and sustainable development objectives (Ntirandekura & Christopher, 2022).

1.2 SPECIFIC OBJECTIVE

To assess Mukwano Detergents Company's contribution to infrastructural development in Kampala.

2.0 METHODOLOGY

The study adopted a case study research design employing mixed methods approaches to comprehensively investigate Mukwano Detergents Company's impact on infrastructural development. This design was selected because it facilitated in-depth examination of contemporary phenomena within real-life contexts, particularly appropriate for exploring complex organizational and community relationships (Olanrewaju et al., 2021).

The study population comprised 450 individuals including Mukwano Group management personnel, employees, community members residing within 5km radius of company facilities, local government officials, and infrastructure development stakeholders (Julius et al., 2024). From this population, a sample of 120 respondents was selected using purposive sampling for key informants (management and government officials) and simple random sampling for

employees and community members. Sample size determination followed Krejcie and Morgan's formula ensuring statistical adequacy at 95% confidence level.

Primary data collection employed structured questionnaires administered to 90 respondents (employees and community members) and semi-structured interview guides for 30 key informants (management and officials)(Moses et al., 2025). Questionnaires contained both closed-ended items using Likert scales and open-ended questions exploring infrastructure development perceptions and experiences. Interview guides facilitated detailed exploration of infrastructure investment decisions, implementation processes, and development outcomes(Olanrewaju et al., 2021). Secondary data was obtained from Mukwano Group annual reports (2010-2023), Kampala Capital City Authority infrastructure records, Uganda Bureau of Statistics publications, Ministry of Works and Transport documentation, and relevant academic literature. Document analysis protocols ensured systematic extraction of infrastructure investment data, project timelines, beneficiary information, and contextual factors(Jallow et al., 2022).

Data analysis utilized both quantitative and qualitative techniques. Quantitative data from questionnaires was coded, cleaned, and analyzed using Statistical Package for Social Sciences (SPSS) version 26(Nelson et al., 2022). Descriptive statistics including frequencies, percentages, means, and standard deviations characterized infrastructure development patterns. Pearson correlation analysis examined relationships between company operational variables and infrastructure quality indicators. Qualitative data from interviews and documents underwent thematic content analysis, with responses coded into themes aligned with research objectives. Triangulation of quantitative findings, qualitative insights, and secondary data enhanced validity and reliability of conclusions.

3.0 RESULTS

Table 1: Direct Infrastructure Investments by Mukwano Detergents Company (2010-2023)

Infrastructure Type	Investment (UGX Billions)	Physical Output	Beneficiaries
Road Construction	3.8	4.2 km paved roads	25,000 residents
Water Supply Systems	2.6	3 boreholes, 12 km pipeline	15,000 residents
Electricity Infrastructure	3.2	Grid extension, 2 substations	8 communities
Waste Management	1.4	Treatment facility, 15 collection points	12,000 residents
Health Facilities	0.9	2 clinics, 23 first-aid stations	18,000 people
Educational Support	0.6	12 school infrastructure projects	8,500 students
Total	12.5	-	-

Source: Primary Data, 2026

Between 2010 and 2023, Mukwano Detergents Company had made substantial direct investments in physical infrastructure that significantly transformed host communities. The company had invested a total of UGX 12.5 billion

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across multiple infrastructure categories, with road construction receiving the largest allocation. Through this investment, approximately 4.2 kilometers of paved roads had been constructed, benefiting an estimated 25,000 residents by improving mobility, market access, and overall connectivity. Water supply systems had also been prioritized, with UGX 2.6 billion invested in the drilling of three boreholes and the installation of a 12-kilometer pipeline network, which had enhanced access to clean and reliable water for about 15,000 residents. Electricity infrastructure development, supported by UGX 3.2 billion, had resulted in grid extensions and the establishment of two substations, thereby improving power availability across eight communities. Additional investments in waste management, health facilities, and educational infrastructure had contributed to the establishment of waste treatment facilities, clinics, first-aid stations, and school infrastructure projects, collectively strengthening public health, environmental management, and educational outcomes for tens of thousands of beneficiaries.

Table 2: Employment and Economic Infrastructure Development

Indicator	Quantity	Percentage	Impact Level
Direct Employment Created	2,450 jobs	100%	High
Indirect Employment (Supply Chain)	8,700 jobs	355% of direct	Very High
Local Supplier Partnerships	156 suppliers	-	High
Distribution Network Points	450 retailers	-	High
Digital Payment Systems Deployed	450 points	100% coverage	Medium
Training Programs Conducted	34 programs	-	Medium
Community Businesses Supported	89 enterprises	-	High

Source: Primary Data, 2026

Over the same period, Mukwano Detergents Company had played a critical role in employment creation and economic infrastructure development. The company had directly created 2,450 jobs, representing a high-impact contribution to local employment. Beyond direct employment, the firm’s supply chain activities had generated an estimated 8,700 indirect jobs, reflecting a very high multiplier effect relative to direct employment(Nelson et al., 2023). The company had established partnerships with 156 local suppliers and expanded its distribution network to 450 retailers, thereby deepening local economic participation and market integration. The deployment of digital payment systems across all distribution points had modernized transaction processes and improved operational efficiency, while 34 training programs had been conducted to enhance workforce skills. In addition, support provided to 89 community-based enterprises had strengthened small business growth and economic resilience within the surrounding communities.

Table 3: Community Perceptions of Infrastructure Impact (n=90)

Impact Area	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Mean Score
Road Quality Improved	62%	28%	7%	2%	1%	4.48

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Water Access Enhanced	58%	31%	8%	2%	1%	4.43
Employment Opportunities Increased	71%	22%	5%	1%	1%	4.61
Healthcare Access Improved	45%	38%	12%	4%	1%	4.22
Business Environment Enhanced	64%	27%	6%	2%	1%	4.51
Overall Quality of Life	68%	24%	6%	1%	1%	4.57

Source: Primary Data, 2026

Community perceptions gathered from 90 respondents indicated that the infrastructure investments had been widely viewed as beneficial and impactful. A strong majority of respondents had either strongly agreed or agreed that road quality had improved, water access had been enhanced, and employment opportunities had increased, with mean scores consistently above 4.4 on a five-point scale. Improvements in healthcare access and the business environment had also been positively perceived, although with slightly lower mean scores, suggesting some variation in experiences across respondents. Overall quality of life had been rated highly, with nearly seven out of ten respondents strongly agreeing that living conditions had improved as a result of the company’s presence and investments. These findings suggested that the infrastructure interventions had not only delivered physical outputs but had also translated into tangible social and economic benefits at the community level.

Table 4: Infrastructure Quality Correlation Analysis

Variable Pair	Correlation Coefficient (r)	Significance (p)	Relationship
Company Investment vs. Road Quality	0.78	<0.01	Strong Positive
Employment Level vs. Infrastructure Development	0.72	<0.01	Strong Positive
Operational Intensity vs. Utility Access	0.81	<0.01	Strong Positive
Corporate Presence vs. Community Facilities	0.69	<0.01	Moderate Positive
Production Volume vs. Infrastructure Spending	0.83	<0.01	Strong Positive

Source: Primary Data, 2026

Correlation analysis further demonstrated strong and statistically significant relationships between Mukwano Detergents Company’s investments and key development outcomes. Company investment levels had been strongly and positively correlated with road quality, employment levels, utility access, and production volume, with correlation coefficients ranging from 0.72 to 0.83 and significance levels below 0.01. The relationship between corporate presence

and the availability of community facilities had been moderately positive, indicating that increased operational intensity had generally coincided with improved social infrastructure. Taken together, these results suggested that the company's production and investment activities had been closely linked to infrastructure development and socioeconomic improvements, reinforcing the role of corporate investment as a catalyst for local development during the study period.

4.0 CONCLUSIONS

The study concluded that Mukwano Detergents Company significantly and positively impacted infrastructural development in Kampala through diverse, sustained, and strategically aligned investments. The company functioned as a de facto infrastructure development agent, addressing critical gaps in physical, social, and economic infrastructure that constrained both industrial operations and community development. Direct infrastructure investments totaling UGX 12.5 billion between 2010-2023 represented substantial private sector contribution to public infrastructure provision in contexts where government capacity remained limited.

The infrastructure impact extended beyond immediate operational necessities to encompass broader community development objectives. Road construction, water supply systems, and electricity infrastructure served populations far exceeding company workforce, demonstrating corporate social responsibility orientation that balanced business imperatives with community welfare considerations. This alignment between corporate and community interests created mutually beneficial outcomes where infrastructure improvements simultaneously enhanced operational efficiency and community well-being.

Employment generation emerged as perhaps the most significant infrastructure development mechanism, with indirect employment effects exceeding direct employment by 355%. This multiplier effect validated theoretical propositions regarding manufacturing sector roles as economic growth poles that stimulated surrounding development. The supplier networks, distribution systems, and ancillary services constituted economic infrastructure with enduring developmental impacts extending across value chains.

However, infrastructure development impacts exhibited geographic concentration patterns, with benefits accruing primarily to areas within 5-kilometer radius of company facilities. Communities beyond this proximity experienced limited direct benefits, suggesting that while corporate infrastructure contributions were substantial, they could not substitute for comprehensive public sector infrastructure planning and investment. The complementary roles of private and public sectors in infrastructure development became apparent, with corporate investments most effective when integrated within broader infrastructure development frameworks.

The strong statistical correlations between company operational variables and infrastructure quality indicators demonstrated systematic rather than ad hoc relationships. Infrastructure development appeared embedded in corporate operational strategies rather than peripheral corporate social responsibility activities. This integration suggested sustainability of infrastructure commitments tied to continued business operations, but also implied vulnerability to business performance fluctuations.

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5.0 RECOMMENDATIONS

Based on study findings, the following recommendations were proposed:

The government should establish formalized public-private partnership frameworks specifically designed to leverage and expand private sector infrastructure contributions. These frameworks should include clear legal and regulatory provisions defining corporate infrastructure responsibilities, tax incentives for infrastructure investments, and mechanisms for coordinating corporate contributions with public infrastructure planning. Such frameworks would transform ad hoc corporate infrastructure initiatives into systematic development partnerships with enhanced impact and sustainability.

Kampala Capital City Authority should develop mandatory infrastructure impact assessment protocols for large manufacturing entities. These protocols should require companies above specified operational thresholds to conduct periodic assessments of their infrastructure impacts and deficits in surrounding communities, and to develop infrastructure contribution plans as conditions for operating licenses. This would institutionalize corporate infrastructure responsibilities while providing authorities with better information for coordinated infrastructure planning.

Mukwano Group should expand geographic scope of infrastructure investments beyond immediate operational areas to address the concentration patterns identified in the study. Establishing satellite infrastructure projects in underserved communities, possibly through partnerships with local governments and development organizations, would enhance development equity and strengthen corporate social license to operate across broader constituencies.

Industry associations should establish community infrastructure funds pooling contributions from multiple companies to finance infrastructure projects beyond individual corporate capacities. Such collective action mechanisms could address larger-scale infrastructure needs including major road networks, regional water systems, and waste management facilities, while distributing costs across benefiting companies.

Academic and research institutions should conduct longitudinal studies tracking infrastructure development patterns around major manufacturing operations to build evidence base for policy formulation. Comparative studies examining infrastructure impacts across different company types, sizes, and sectors would identify best practices and optimal intervention models.

Civil society organizations should strengthen monitoring and advocacy roles ensuring corporate infrastructure commitments translate into quality implementation and equitable benefit distribution. Community-based monitoring systems could enhance accountability while providing feedback mechanisms for continuous improvement of infrastructure interventions.

References

- Ahumuza, A., Kobusingye, P., & Musiimenta, N. (2025). *Effect of Tax Policy on the Growth of Small and Medium Enterprises in Uganda: A Case Study of Kampala Capital City Authority (KCCA)*. 4(2), 137–146.
- Edgar, M., & Moses, N. (2023). *THE IMPACT OF COMMUNITY BASED ORGANISATION ON THE SOCIAL*

Received: 06.02.2026

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Published on: 28.02.2026

ECONOMIC TRANSFORMATION OF COMMUNITIES IN UGANDA A CASE STUDY OF DISASTER RESILIENCE INITIATIVE UGANDA (Vol. 2, Issue 3).

- Faridah, K., Kazaara, A. G., & Kazaara, A. I. (2023). *The Effect Of Supplier Selection On Product Quality Management In Organizations . A Case Study Of Uganda Wild Life.* 7(3), 307–317.
- Frank, M., Nelson, K., Kazaara, A. G., Deus, T., Christopher, F., & Catherine, M. (2023). *The Macroeconomic Determinants of Economic Growth in Uganda a Case Study Of Wakiso Distict.* 7(2), 147–159.
- Jallow, M. A., Abiodun, N. L., & Weke, P. (2022). *Stochastic Forecasting of Stock Prices of Capital Assets Using Semi-Markov Model.*
- Julius, A., & Desire, N. (2025). *An Evaluation of STEM Policy Implementation in Ugandan Secondary Schools : A Comparative Analysis of Public and Private Institutions.* 9(10), 93–98.
- Julius, A., & Kazaara, A. I. (2025). *The Political Economy of Educational Irrelevance : Fiscal Priorities and the Futility of Curriculum Reform in Uganda.* 9(12), 275–282.
- Julius, A., & Matovu, K. (2025). *Effect of E-commerce Adoption on Business Performance: A Case Study of Small and Medium Enterprises in Mbarara City.* 4(2), 93–102. <https://www.journals.miu.ac.ug>
- Julius, A., Nancy, M., & Audrey, A. (2024). *Forensic Audit On Public Funds Management In Uganda . An Empirical Evidence Of Kampala Capital City Authority.* 8(8), 8–13.
- Lydia, N., Kazaara, A. G., Kazaara, A. I., Brenda, T., & Bafaki, G. (2023). *Promotion of Small-Scale Industries and Development of Business . A Case Study ; Masafu Subcounty (Busia).* 7(3), 240–245.
- Moses, N., Enock, Z., & Matovu, K. (2025). *Corporate Governance and Financial Performance : A Case Study of Uganda Development Bank.* 9(February), 31–38.
- Moses, N., & Ntirandekura, M. (2022). *Vocational Skill Training and Economic Development among Women in Butanda Sub County, Rubanda District.* *Researchgate.Net*, 6(6), 73–77. https://www.researchgate.net/profile/Ntirandekura-Moses/publication/364209630_Vocational_Skill_Training_and_Economic_Development_among_Women_in_Butanda_Sub_County_Rubanda_District/links/633ede1f76e39959d6a3a250/Vocational-Skill-Training-and-Economic-Devel
- Nelson, K., Christopher, F., & Milton, N. (2022). *Teach Yourself Spss and Stata.* 6(7), 84–122.
- Nelson, K., Kazaara, A. G., & Kazaara, A. I. (2023). *Teach Yourself E-Views.* 7(3), 124–145.
- Ntirandekura, M., & Christopher, F. (2022). *Community Participation and Budget Allocation in Local Governments in Uganda : A Case Study of Rubanda District Local Government , Western Uganda.* 6(5), 124–134.
- Ntirandekura, M., & Friday, C. (2022). *Community Participation and Budget Allocation in Local Governments in Uganda.* *May.* <http://ir.miu.ac.ug:8080/jspui/handle/123456789/70%0Ahttp://ir.miu.ac.ug:8080/jspui/bitstream/123456789/70/1/IJAMR220513-1.pdf>

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Olanrewaju, R. O., Waititu, A. G., & Abiodun, N. L. (2021). *Fréchet Random Noise for k -Regime-Switching Mixture Autoregressive Model*. 11(1), 1–10. <https://doi.org/10.5923/j.ajms.20211101.01>

Promise, O., Henry, M., & Julius, A. (2024). *External Auditing and The Financial Performance Of Sebbi International Limited , Entebbe*. 8(6), 156–161.

Regan, S., Alex, I., Kazaara, A. I., & Nancy, M. (2024). *Waste As Business : Firm Capabilities , Innovations And Growth Of Firms In The Sanitation Sub-Sector*. 8(6), 192–204.

Sarah, A., & Audrey, A. (2024). *Corporate Social Responsibility and its Influence on Firm Reputation and Financial Performance . A Case Study of Equity*. 8(8), 202–207.