

SOURCE BOOK ON SMALL-SCALE TIMBER MILLING FIRMS IN GHANA (POTENTIAL ARTISANAL MILLS)

First Edition

Kwame Frimpong Sekyere, Eric Mensah Kumeh
& Kwabena Samuel Nketiah



F A O - E U F L E G T P R O G R A M M E



Food and Agriculture
Organization of the
United Nations



Sweden
Sverige



**SOURCE BOOK ON
SMALL-SCALE TIMBER MILLING
FIRMS IN GHANA
(POTENTIAL ARTISANAL MILLS)**

First Edition

Kwame Frimpong Sekyere, Eric Mensah Kumeh &
Kwabena Samuel Nketiah

TROPENBOS GHANA
May 2018

Copyright 2018 Tropenbos Ghana. Text may be reproduced for non-commercial purposes giving credit to the source

Citation Tropenbos Ghana (2018) Source Book on Small-Scale Timber Milling Firms in Ghana (Potential Artisanal Mills). Tropenbos Ghana. Kumasi, Ghana. 64 pages

Text: Kwame Frimpong Sekyere, Eric Mensah Kumeh & Kwabena Samuel Nketiah

Design & Layout: Francis K.N. Nunoo, Dept of Publishing Studies, KNUST

Available From:
Tropenbos Ghana
P.O. Box, UP 982,
KNUST-Kumasi, Ghana
info@tropenbosgh.org

TABLE OF CONTENT

LIST OF FIGURE & TABLES	iv
ACKNOWLEDGEMENTS	v
SUMMARY	vi
ACRONYMS	viii
1.0 INTRODUCTION	1
1.1 Background	1
1.2 Objectives of the study	2
1.3 What to expect in this report	2
2.0 METHODOLOGY	3
2.1 Target Mills	3
2.2 Study Site	4
2.3 Data collection	4
2.4 Data Analysis	5
3.0 FINDINGS - PROFILE OF SMALL-SCALE TIMBER MILLS IN GHANA	6
3.1 Overview of Small-Scale Saw Mills in Ghana	6
3.2 Regional Presentation of Findings	6
3.3. Support systems for effective functioning of small-scale saw mills	9
3.4 Capacity Needs of Small-scale saw milling Actors	12
4.0 CONCLUSIONS AND RECOMMENDATIONS	14
4.1 Conclusions	14
4.2 Recommendations	14
5.0 REFERENCES	16
LIST OF ANNEXES	18

LIST OF FIGURE & TABLES

Figure 1: Map of Ghana showing the geographical position of small-scale saw mills	16
Table 1: Differences between Small-Scale saw Milling and Artisanal milling	11
Table 2: Regional distribution of mills surveyed	12
Table 3: Formal support systems in place to improve small-scale saw mills	17
Table 4: List of non-state actors who provide support services to small-scale timber mills	18

ACKNOWLEDGEMENTS

Many people contributed to the putting together of this database. They include Messrs Kwame Frimpong Sekyere, John Kwasi Gyekye Amonoo, and Ms. Eva Kyei Sampong all staff of Tropenbos Ghana at the time. Others include Mr. John Wiredu Acheampong of the Timber Industry Development Division (TIDD) of the Forestry Commission, who were institutional partners in the implementation of the project 'Supporting Knowledge and Regulation of Overland Timber Trade and Promoting Domestic Legal Timber Supply through Strengthening Artisanal Timber Milling in Ghana' under which this Source Book was published. We gratefully acknowledge their contributions. Tropenbos Ghana is also grateful to the Food and Agriculture Organization (FAO) of the United Nations (UN) for providing financial support for the study.

We express our gratitude to the other individuals, institutions and communities who in diverse ways contributed to the study. We are also grateful to all small-scale timber operators throughout the country, especially Messrs Agyenim Boateng (Akrodie), Seth Mensah (Assin Fosu) and Emmanuel Torsu (Juaso), who shared their time and provided much of the information needed for this publication.

Finally, we would like to thank Mr. Eric Mensah Kumeh, Mrs Mercy Owusu Ansah and Mr. K.S. Nketiah who reviewed the draft document, for their insightful comments.

Tropenbos Ghana

SUMMARY

Ghana has commitments with the European Union (EU) to trade solely in legal timber on both European Union and Ghanaian markets and to promote sustainable forest management. These commitments are detailed in the Ghana-EU Voluntary Partnership Agreement. Although Ghana has made considerable progress to meet legality requirements for timber destined for EU markets and would soon be issuing FLEGT licenses, the domestic market seems to have been left behind. Earlier efforts led by civil society organisations proposed a public procurement policy for wood and wood products that would stimulate demand for legal timber; but for some reasons, the policy could not receive official approval. Plans to implement the full removal (100%) of timber yield allocation, that could improve access to legal timber, particularly for small-scale millers without Timber Utilisation Contracts (TUC) have also not fully materialised. This has hampered the move to create a new breed of small-scale timber millers, that is, artisanal millers who could service the domestic timber market.

This Source Book has been compiled from a national survey of small-scale timber millers and provides a database of mills that could be enabled to supply legal lumber for Ghana's domestic market. The database provides information on the regional distribution and contact information of almost every small-scale timber mill in Ghana; a total of 221 cases have been presented. The training needs of actors in these mills are further detailed out and include: technical wood processing and factory management; basics of forestry policies, laws and regulations; business management, technicalities of milling and how to link to TUC holders to access legal raw material. Finally, recommendations are offered to enable these mills transition into legal artisanal mills capable of supplying legal lumber, efficiently, in line with the VPA commitments. They are:

- Procedures and modalities should be explored with the view to developing guidelines for linking small-scale millers with TUC holders for the former to access legal timber (unremoved yield) to process for the domestic market.
- The Forestry Commission should initiate steps to operationalize the provisions of the new Legislative Instrument (LI 2254) which enables small-scale actors to directly obtain legal timber rights.

- The Forestry Commission Training Centre (FCTC), formerly WITC, should further be strengthened to partner TIDD to build the capacity of small-scale mills for more efficient processing.
- Non-Governmental Organisations with support from Development Partners should help bridge the capacity gap of DOLMAG to provide them with better capacity for advocacy and self-management.

ACRONYMS

ATM	Artisanal Milling
CSM	Chainsaw Milling
DOLMAG	Domestic Lumber Milling Association of Ghana
DOLTA	Domestic Lumber Traders Association
EU	European Union
FAO	Food and Agriculture Organization of the United Nations
FC	Forestry Commission
FCTC	Forestry Commission Training Centre
FLEGT	Forest Law Enforcement Governance and Trade
FSD	Forest Services Division
FORIG	Forestry Research Institute of Ghana
GTA	Ghana Timber Association
GDP	Gross Domestic Product
NBSSI	National Board for Small-scale Industries
RGD	Registrar General's Department
RMSC	Resource Management Support Center
SP	Salvage Permit
TBI	Tropenbos International
TIDD	Timber Industry Development Division
TLAS	Timber Legality Assurance System
TUC	Timber Utilization Contract
VPA	Voluntary Partnership Agreement
WAG	Wood Workers' Association of Ghana

1.0 INTRODUCTION

1.1 Background

In the late 1990s, Ghana banned the use of portable chainsaws in processing logs to lumber. But for reasons including the preference of the conventional mills to sell on the export market, rural unemployment and weak law enforcement, chainsaw milling has for a long time been the main source of lumber for the domestic market; it accounted for 84% in 2010. However, as an indication of the country's determination to sanitise the domestic timber supply, Ghana, in signing the Voluntary Partnership Agreement (VPA) with the European Union (EU), under its Action Plan on Forest Law Enforcement, Governance and Trade (FLEGT), committed to sell legal lumber not only to the European market but also on the domestic market.

Through the intervention of two EU – funded projects, Tropenbos Ghana and its partners developed a draft domestic timber market policy to ensure the supply and use of legal timber on the domestic market. The policy which was developed consultatively, using the multi-stakeholder platform, had two key strands addressing demand and supply measures. On the demand side, the document prescribed a public procurement policy to address illegalities on the domestic market. However, after much effort, the public procurement policy could not receive official approval for fear that it might negatively affect development projects by the government. On the supply side, the draft policy created space for small-scale operators (hitherto, criminalised chainsaw operators) to also supply legal lumber under the concept of artisanal milling. The concept was defined to have set efficiency levels and some strict requirements which also made the practice the preserve of only nationals.

The concept was piloted in three forest districts where illegal chain-sawing was very prevalent and where the chainsaw operators were mobilised into associations and trained to operate as artisanal millers. The rationale was to help these associations get access to more efficient mobile mills and also link them to holders of Timber Utilisation Contracts (TUC) so that they could obtain logs to produce legal lumber for the domestic market. Unfortunately, the policy could not receive official assent for upscaling, for reasons of limited piloting and the high initial capital requirement. In the meantime, developments on the wood

processing front had experienced massive shifts with many conventional mills converting to small-scale operations.

1.2 Objectives of the study

The objective of the study was to identify all the small-scale saw mills as well as what would be needed to bring them under the canopy of 'artisanal milling' to address timber supply to the domestic market, while drastically reducing illegal logging and to some extent, addressing rural unemployment.

1.3 What to expect in this report

This Source Book on artisanal milling provides insights on the status of small and medium-scale saw mills in Ghana. Specifically, the Source Book provides:

1. comprehensive information package on small/medium-scale mills across the country; and
2. an overview of small-scale timber millers' training needs in relation to transitioning them into legal artisanal millers.

2.0 METHODOLOGY

2.1 Target Mills

The study targeted small-scale saw mills. According to TIDD classification, these (small-scale millers) are sawmills that use mobile milling equipment and have a workforce of up to 50 people; in terms of capital outlay of the enterprise, it should be between thirty thousand and fifty thousand dollars (USD 30,000 and 50,000). The concept of artisanal milling on the other hand was contrived under a project; it was however, the product of a multi-stakeholder consultative and consensus building process. Artisanal millers require rigorous training, certification and licensing to operate whereas small-scale millers do not generally have to meet these requirements. Table 1 provides further details on the differences between small-scale millers and artisanal millers.

Table 1: Differences between Small-Scale Saw Milling and Artisanal Milling

Attribute	Artisanal Milling	Small-Scale Saw Milling
Milling Equipment	Registered mobile Mill excluding all forms of free hand chainsaw milling	Mobile mill including all forms of free hand chainsaw milling.
Source of Raw material	Legal	Legal or Illegal
Type of Training	Formally Trained, Licensed and Certified	Informal training, if any
Nationality of owner	Ghanaians only	Can be Ghanaian and or other nationalities.
Target Market	Domestic Market	Domestic and or Export
Recovery Rate	At least 50% recovery rate	Does not have to meet this efficiency level; Can be below or above 50%
Location of Mill	Ex situ for protected and forest reserves but in situ for off reserve areas.	In situ on protected and forest reserves

2.2 Study Site

The study covered the entire country. For the purposes of the survey, the country was zoned into three: Zone 1 (Volta, Northern, Upper East and Upper West); Zone 2 (Brong Ahafo, Ashanti, Eastern, and Greater Accra Regions) and Zone 3 (Western and Central). This was basically for convenience and logistical constraints.

2.3 Data collection

Data was collected through a survey involving the administration of a semi-structured questionnaire (see Annex 2). The questionnaire was designed and pre-tested with small-scale millers in Ashanti Region. The revised questionnaires were subsequently administered by trained enumerators to minimise any likely errors by the enumerators. The questionnaire elicited information relating to: the name of firm, location, registration status, and number of employees, type of milling equipment, source of wood, market, associations, service providers and capacity needs of the Timber Mills concern.

For ease of identification, the survey started with all small-scale millers registered with the Timber Industry Development Division (TIDD). Beyond this, the snowball technique was used to identify other small-scale millers, including those that were not registered with the TIDD. In all cases, the enumerators collected data on the geographic location of the mill. Data collection was done between January and February 2017 and a total of 221 mills were covered. Table 2 is a regional distribution of the mills covered.

Table 2: Regional distribution of mills surveyed

Region	Number of mills
Ashanti	38
Brong-Ahafo	65
Central	23
Eastern	21
Greater Accra	0
Northern	1
Upper East	0
Upper West	0
Volta	9

Region	Number of mills
Western	64
Total	221

GPS instrument was used to record the exact location of each mill. In addition to data from the small-scale millers, key informant interviews were conducted with targeted stakeholders, particularly service providers and regulators (FSD, TIDD and Resource Management Support Centre(RMSC)) to elicit information on the support systems available to small-scale saw millers and options for improving on them.

2.4 Data Analysis

The data was cleaned and analysed using descriptive statistics in Microsoft Excel where frequencies and percentages of the millers in relation to specific parameters such as their regional distribution and number of employees were extracted. ArcGIS was also used to plot a map depicting the relative position of the mills covered.

Findings from the survey were summarised according to the regional distribution of the mills. A detailed profile of each miller is provided in Annex 2.

3.0 FINDINGS - PROFILE OF SMALL-SCALE TIMBER MILLS IN GHANA

3.1 Overview of Small-Scale Saw Mills in Ghana

The study found that 91% of the small-scale saw mills had registered with both the TIDD and the Registrar General's Department (RGD). The few that were not yet registered were either in the process or had just installed their facility. On source of raw materials for their operations, most mills reported that they work under business arrangements with Timber Utilisation Contract holders. However, it was difficult to distinguish between legal and illegal wood resources at such mills. Again, 81% of the mills identified produced solely for the domestic market. The equipment used by the small-scale saw mills were mainly Wood-Mizer, Lucas Mill and Band Mills. The survey revealed that small-scale saw milling employs about 2,993 people in the country. Brong Ahafo Region had the highest number of 1,015 representing 34% and Northern Region had the least number of 15 representing 1% of the national total. The average number of employees in the regions range from 12 to 22 workers. Small-scale saw mills in Ashanti Region recorded an average of 12 workers whilst Eastern Region recorded 22 workers.

Figure 1 shows the geographical locations of all the mills visited by the research team. A regional breakdown of the findings is presented in the next sections.

3.2 Regional Presentation of Findings

Ashanti Region

All 38 mills were registered with both TIDD and RGD. They primarily sourced their timber from legal sources: TUC holders (24%), Salvage Permit Holders (21%) and bought from TUC holders (55%). They supply their products entirely to the domestic market. The mills employ 466 people, representing 16% and had an average of 12 workers per mill. Annex 1a provides further details, including contact information of all the 38 mills consulted.

Brong-Ahafo Region

The data revealed that this region is the hub of small-scale timber milling with sixty-five (65) mills, representing 29% of all the mills surveyed. Most of the mills (82%) had registered with the designated authorities (TIDD and RGD). Similarly, 29 % of raw materials used in the mills came from illegal sources. Number of people employed was one thousand and fifteen (1,015), representing 34% of the national total, with an average of 16 workers per mill. Fifty-five percent (55%) of their products targeted the domestic market while the remaining were earmarked for export, both overseas and overland. Annex 1b provides the details.

Central Region

Twenty-three (23) mills were in this region, of which 4% had not registered with the designated authorities. The same percentage (4%) of raw materials for their operations were from illegal sources while the remainder came from the following sources; purchased from TUC holders (53%), TUC holders (39%), sawmill cuts (4%). This region employs 314 people, representing 10% of the national total, with an average of 14 workers per mill. All products from the mills were targeted at the domestic timber market (Annex 1c).

Eastern Region

Of the 21 small-scale mills, 95% were registered with both the TIDD and RGD. They predominantly mill timber from legal sources: purchased from TUC holders (33%), TUC holders (33 %) and Salvage Permit (29%). Most of their products (86%) were sold on the domestic market while the remaining (14%) targeted overland markets (Burkina Faso, Niger, Mali and Togo). Four hundred and thirty-two (432) employees were recorded, representing 14% of the national total, with an average of 22 workers per mill. Annex 1d provides further information on the mills in this region.

Northern Region

Only one small-scale mill was found in the region. It was registered with the RGD but not with the TIDD. Fifteen (15) employees were recorded in this region. The mill primarily processes wood from illegal sources and targets both the local market and neighbouring Burkina Faso. More details on this company is provided in Annex 1e.

Western Region

Sixty-Four (64) mills were identified in the Western Region. Ninety- four percent (94%) had registered with the TIDD and the RGD. Most of the timber used by mills in this region were from legal sources with only 2% coming from illegal sources. Products from mills in the Western Region were mainly directed at the local market with only 6% destined for overland markets. Total employees came to 635, representing 21% of the national total, with an average of 21 workers per mill. Annex 1f provides further information on small-scale mills in the Western Region.

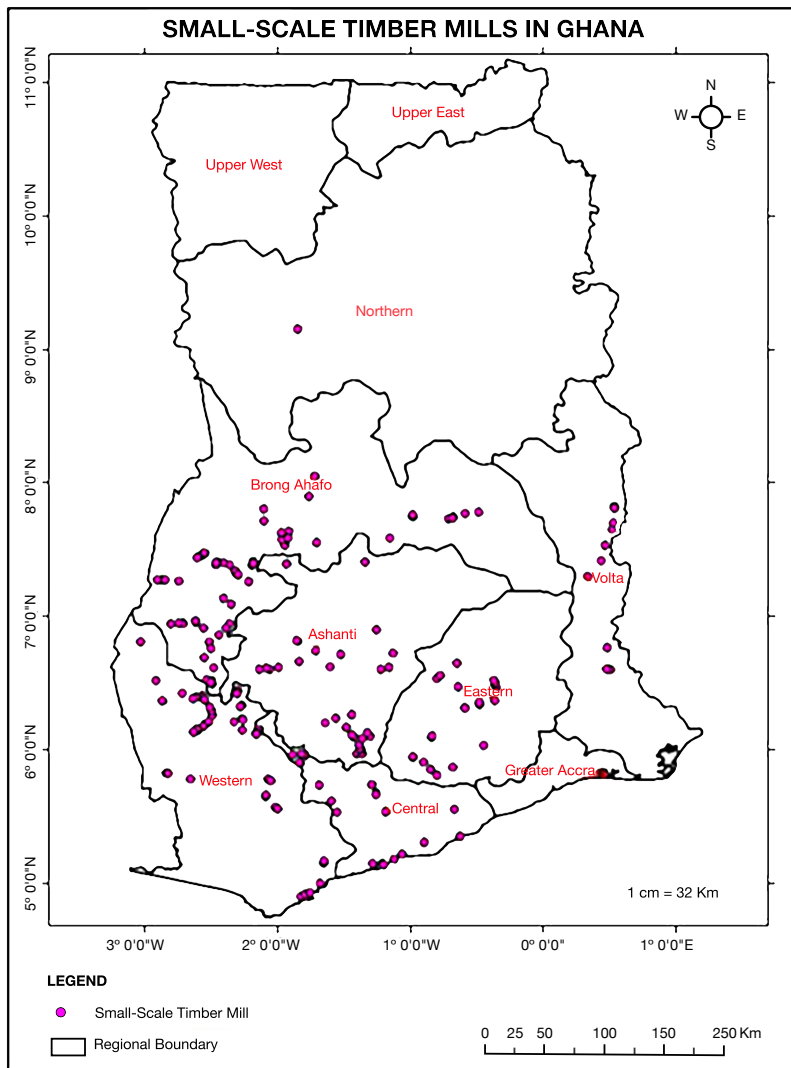


Figure 1: Map of Ghana showing the geographical location of small-scale saw mills

Volta Region

Only nine (9) mills were identified in this region; they had all been duly registered with the relevant authorities. The raw materials obtained from TUC holders constituted 78% and that from private contractors/landowners, 22%. One hundred and sixteen (116) employees were recorded in this region, representing 4% of national total, with an average of 13 workers per mill. It was reported that 44% of their products were supplied to domestic markets while the rest targeted either overseas or overland markets. Annex 1g provides further details on the small-scale mills in this region.

3.3. Support systems for effective functioning of small-scale saw mills

Our analyses revealed two levels of support systems: formal and informal. The classification is based on the extent to which they are formally anchored in national legislation and governance systems.

Formal support systems

The formal systems were either created by specific legislations or are appendages of the local governance structures. Their roles are varied and range from registering the small-scale mills through providing them with trainings to monitoring their activities. Table 3 summarises the formal support systems that were identified.

Table 3: Formal support systems in place to improve small-scale saw mills

Institution	Support Services Provided	Contact Information
Forestry Services Division	Training on procedures to acquire logs	Offices in every forest district. Headquartered in Accra.
Timber Industry Development Division	Safety and Health Training Provide Information on VPA processes Training on record keeping and log measurement	Contact: +233(0) 302-401-210
NBSSI	Training on Business Management	NBSSI Offices in the Administrative Regions.

Institution	Support Services Provided	Contact Information
Business Advisory Centre (BAC)	Business relations Training in record keeping	BAC offices in all Administrative Districts of Ghana.
Department of Factories Inspectorate	<ul style="list-style-type: none"> Organise health and safety courses for specific target groups of workers and management. Inspection of workplaces to ensure that reasonable standards of safety and health of workers are maintained. 	Department of Factories Inspectorate, Accra. Contact: +233(0)302662 633
Ghana National Fire Service	Training on fire prevention and management	Fire Service offices in all Administrative Districts in Ghana.

Informal support systems

These systems are usually run by non-state actors who are largely concerned about improved social welfare. Such non-state actors include: non-governmental organisation, private individuals and associations of small-scale timber millers and other trade associations. Table 4 provides details on key organisations which provide support services to actors involved in small mills.

Table 4: List of non-state actors who provide support services to small-scale timber mills

Institution	Support Services Provided	Contact Information
Non-governmental organisations		
Tropenbos Ghana	<p>Technical trainings on: efficient timber milling, timber-lumber volume computation, timber legality legislation and requirements, groups management, etc.</p> <p>Advocacy for secured options for accessing legal raw material, including facilitation of partnerships with TUC holders.</p> <p>Facilitate acquisition of milling equipment.</p>	<p>FORIG Campus</p> <p>Fumesua, Kumasi</p> <p>P.O. Box UP 982, KNUST- Kumasi.</p> <p>Tel: 0322060310</p>

Institution	Support Services Provided	Contact Information
Kumasi Wood Clusters	Facilitate training on FLEGT/VPA processes	Kumasi Box 17078, Kumasi Tel: 0322090602
Robert Ofori and Partners	Training in financial management	Kwame Antwi Building, Kumasi Tel: 0243944681
National Investment Bank (NIB)	Support in the purchase of timber milling equipment	Selected cities across the country
Small-Scale Timber Millers and Trade Associations		
Asante Akyem South Wood Workers Association	Capacity building of members and networking	Asante Akyem
Wood Workers Association of Ghana (WAG)	Links members with the formal timber sector and trains members on FLEGT/VPA.	Kumasi
Northern Sector Timber Association	Links members to viable markets	Techiman
Artisanal Millers Association	Trains members in sustainable small-scale milling.	Sankore, Goaso
Wood Workers Association	Links members to viable markets	Techiman
Sunyani Wood Sellers Association	Links members to viable markets	Sunyani
Techiman Wood Workers Association (Rosewood)	Links members to viable markets	Techiman
Teak Contractors Association	Links members to teak producers	Sunyani
Kintampo Timber Market Association	Links members to viable markets	Kintampo
Techiman Timber Market Association	Links members to viable markets	Techiman
Ayefua Wood Millers Association	Links members to raw materials	Cape Coast
Small-Scale Wood Association	Provides outlets for securing good prices	Winneba

Institution	Support Services Provided	Contact Information
Domestic Lumber Millers Association of Ghana	Works to supply legal lumber to the domestic market	Awaso
Oda Timber Association	Links members to markets	Akim Oda
Ghana Timber Association	Owns concessions and TUCs Forge partnerships with small-scale millers to provide them legal raw material Lobby for government for business-friendly policies.	Nkwakwa
Apoli Ningo Timber Milling Association	Links members to viable markets	Apoli, Oda
Timber Market Association	Links members to viable markets	Tamale and Bolgatanga
Domestic Lumber Traders Association	Supply lumber to the domestic market	Ho
Kpando Timber Millers Association	Links members to raw materials and markets	Kpando
Brewaniase Milling Group	Links members to viable markets	Nkwanta
Wassa Akropong Timber Millers Association	Links members to legal raw materials and markets	Wassa Akropong
Insu-Siding Timber Milling Association	Provides training to members to become legal millers.	Insu-Siding

3.4 Capacity needs of Small-scale Saw Milling Actors

The national survey revealed three broad areas on the training needs of small-scale mills, which are also interlinked, they are: technicalities of wood processing and factory management; forestry issues, including policy and legislation; and soft business management skills.

Technical Wood Processing and Factory Management

Required skills here will include log handling, sawing techniques, processing efficiency and optimal use of the wood, product development, machine care and maintenance, factory hygiene. Others include processing efficiency and optimal use of the wood by producing different dimensions, product

development, machine care and maintenance, factory hygiene, health and safety issues.

Technical Forestry Issues

Most actors encountered had little or no formal training. Instead, they received on the job training and were oblivious of most forestry sector requirements and developments, particularly FLEGT/VPA processes. Only a few mill operators were aware of how to measure log input-output volumes. Without such skills, it will be difficult to determine production efficiency and mechanisms for improving output in general. Skills required will include technical forestry and sustainability issues, knowledge of requirements of forestry policies and laws, relevant Manuals of Procedures (MOPs) and registration requirements. Other aspects will include basics of forestry and access to legal raw materials. Some actors in the mills surveyed reported using timber from illegal sources (see Section 3.2). Many of them reported that it is almost impossible to secure legal timber since they would have to compete with large scale timber actors. This shows that they have little information on current developments that provide for the granting of small-scale timber rights (LI 2254; Regulation 10).

Business Management

Actors at the mills revealed that they had limited information on business registration procedures, a factor which could explain why some of them had not yet registered (see Section 3.2). For many of them, the most important objective was setting up their business to provide job opportunity to others while securing their own livelihoods. Many had little insight into business practices such as financial reporting, taxation, data capture and record keeping in general. In many of the mills, there were no clear records on their production. Soft skills like negotiation are also needed, particularly in accessing legal raw materials.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

This Source Book provides insights into the state of small-scale timber mills in Ghana. The survey that informed the content of the Source Book identified 221 small-scale saw mills in Ghana. Also 91% of the mills have registered with both TIDD and the Registrar General's Department. It was revealed that 81% of these mills supply lumber to the domestic market while the rest serve the Sahel regions and beyond. The equipment used by these small-scale saw mills were mainly Wood-Mizer, Lucas Mill and Band Mill, with the Wood-Mizer predominating. The details on each small-scale saw mill have also been presented to provide a basis for targeted interventions that reinforce the capacity of these millers to enable them transition into artisanal millers. Such interventions are also needed to ensure that the current contributions of these firms' to rural livelihoods and local economic development are deepened.

In conclusion, after a comprehensive survey of small-scale timber mills, we conclude that there are at least 221 such mills operating in the country; only a few of them have direct access to TUCs, most of them have some loose arrangements with TUC holders to access legal timber, a few are using Salvage Permits and others have difficult-to-determine sources of timber. Most of the mills produce for the domestic market, but some also service overland markets. Just a few export to overseas markets. There is a huge capacity gap for the small-scale mills generally, which needs to be filled. However, in fashioning out such interventions, careful considerations should be given to working closely with actors who are already working to improve the operations of these groups in their own small ways.

4.2 Recommendations

From the findings of the study and against the backdrop that the necessary policy, legal and or operational framework has not been finalized to provide legal space for the operation of the so-called artisanal mills, the following key interventions are recommended for urgent consideration to enhance the ability of the small-scale sawmills to produce legally and efficiently for the domestic

market, especially as Ghana prepares to issue FLEGT license to cover timber products for the export market.

- Procedures and modalities should be explored with the view of developing guidelines for linking small-scale millers with TUC holders for the former to access legal timber (unremoved yield) to process for the domestic market.
- The Forestry Commission should initiate steps to operationalize the provisions of the new Legislative Instrument (LI 2254) which enables small-scale actors to directly attain legal timber rights through small-scale TUCs.
- There is the need to mainstream structured training of small-scale actors to enable them operate legally and efficiently.
- To this end, the Forestry Commission Training Centre (FCTC), formerly WITC, should further be strengthened to partner TIDD to build the capacity of small-scale mills for more efficient processing.
- The Timber Industry Development Division, Registrar Generals Department and other support services organizations should provide guidance for unregistered mills to duly register in line with national provisions.
- There is the need to strengthen Domestic Lumber Millers Association (DOLMAG), a trade association of Small-scale Timber Millers, so that they can better serve the interest of their members through advocacy, capacity building and providing linkages to service providers. A stronger voice of the association will go a long way to achieve this goal.
- Non-Governmental Organisations with support from Development Partners should help bridge the existing capacity gap of the trade association so as to provide them with a strong voice for effective advocacy and participation in policy discourse.

5.0 REFERENCES

1. Amoako, I. O. (2012). "Trust in exporting relationships: the case of SMEs in Ghana". PhD thesis, Middlesex University. 302pp.
2. Dalitso Kayanula & Quartey, P. (2000). Supply and Demand for Finance of Small Enterprises in Ghana. http://books.google.com/books/about/Supply_and_Demand_for_Finance_of_Small_E.html?id=1gJ RV
3. Hansen, C. P., & Treue, T. (2008). Assessing illegal logging in Ghana. *International Forestry Review*, 10(4), 573-590.
4. Hordijk, I. (2016). Upscaling Artisanal Milling Concept in Ghana. The case of Small-scale Millers in Ashanti Region. Wageningen University and Research Centre. 45pp
5. Marfo, E. (2010). Chainsaw Milling in Ghana: Context, Drivers and Impacts. Tropenbos International, Wageningen, the Netherlands
6. Osei, B., Baah-Nuakoh, A., Tutu, K.A. & Sowa, N. K. (1993). *Impact of Structural Adjustment on Small-Scale Enterprises in Ghana*, in Helmsing A.H.J and Kolstee T. H(eds), *Structural Adjustment, Financial Policy and Assistance Programmes in Africa*, IT Publications.
7. Sekyere F.K., Kyei-Sampong E., Acheampong J. W., Amonoo J., Nketiah K.S . & Owusu Ansah, M. 2017. Prospects of Artisanal milling in Ghana. Tropenbos Ghana.56 pp. (Unpublished).
8. Steel W.F & Webster L (1990). Ghana's Small Enterprise Sector: Survey of Adjustment Response & Constraints, Industry Series Paper 41, World Bank, Industry and Energy Dept, Washington D.C
9. Taylor, A. W. & Adair, R. G. (1994). Evolution of quality awards and self-assessment practices in Europe: a case for considering organization size, *Total Quality Management*, 5 (4), 227-237.
10. TBI Ghana (2015). Tropenbos International Ghana links outcomes of Chainsaw Milling Project and Timber legality Compliance and Advocacy Project. TBI News 23-11-2015 <http://www.tropenbos.org/news/tropenbos+international+ghana+links+outcomes+of+chainsaw+milling+project+and+timber+legality+compliance+and+advocacy+project>

11. TIDD (2010). Report of Export Permit December 2010. Timber Industry Development Division, Forestry Commission, Takoradi.
12. TIDD & TBG (2017). Report on Nationwide Survey of Small-scale Timber Milling Companies. Up-Scaling Artisanal milling (ATM) to Improve the Supply of Legal Lumber to The Domestic Market. 18pp. (Unpublished)

Annex 1. Details of small-scale timber millers surveyed according to region

Annex 1a List of Small-Medium Scale Timber Milling in the Ashanti Region

ASHANTI REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
1	Tema sawmill,	Registered with both TIDD and Registrar General	Benjamin (Foreman)	0244411422, Mpasatia, Nkawie Forest Dist.	25	Wood-Mizer	Bought from TUC holders	Domestic Market
2	As Moro Ent.	Registered with both TIDD and Registrar General	Moro Hassan (Owner)	0542183377, Agogoso, Nkawie Forest Dist.	8	Lucas Mill	Bought from TUC holders	Domestic Market
3	Abalarry Ghana Ltd.	Registered with both TIDD and Registrar General	Issa Arhin (Manager & Operator)	0246677132, Agogoso, Nkawie Forest Dist.	18	Lucas Mill and Woodmizer	SALVAGE PERMIT	Domestic Market
4	Frando Ent. Ltd.	Registered with both TIDD and Registrar General	Alex Champo (Manager)	0244060246, Agogoso, Nkwawie Forest Dist.	8	Lucas Mill	Bought from TUC holders	Domestic Market
5	Yamanko Venture Ltd.	Registered with both TIDD and Registrar General	Yawamankra (Manager)	244178584, Nyninahin, Nkawie Forest Dist.	8	Lucas Mill and Woodmizer	Bought from TUC holders	Domestic Market

ASHANTI REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
6	Willpet Co. Ltd.	Registered with both TIDD and Registrar General	Kwabena Boateng (Foreman)	0244275753, 0208211893 Akantanso Nkwanta, Nkawie Forest Dist.	5	Lucas &, Wood-Mizer	Bought from TUC holders	Domestic Market
7	Raf Co. Ltd.	Registered with both TIDD and Registrar General	Kwulai Nsiah (Operator)	0207213575, 02044152696 Nyinahin, Nkawie Forest District	4	Wood-Mizer	Salvage Permit	Domestic Market
8	Asante Akim Sawmill	Registered with both TIDD and Registrar General	Rauf Sando (Director)	0509578444, Konongo Juaso Forest District	30	Woodmizer	Bought from TUC holders	Domestic Market
9	Talento Wood Pro. Co. Ltd.	Registered with both TIDD and Registrar General	Addo Matthew (Foreman & Operator)	0208119435, Konongo Juaso Forest Dist.	10	Band Mill	Bought from TUC Holder	Domestic Market
10	Tabi sawmill Limited	Registered with both TIDD and Registrar General	Tabi Jons (Director)	0244267260, Juansa Juaso Forest District	23	Band Mill	Salvage Permit	Domestic Market
11	Gesben gasban Enterprise	Registered with both TIDD and Registrar General	Agyemin Boateng (Manager)	0248082061, 0208129939 Bodomase Kumawu Forest District	5	Forest Mill	TUC	Domestic Market
12	Akowua & Sons	Registered with both TIDD and Registrar General	Albert Asafo Akowua (Operator)	0244013568 Sokoban Wood Village Kumasi Forest District	5	Woodmizer	Bought from TUC Holder	Domestic Market
13	Francis Poku sawmill	Registered with both TIDD and Registrar General	Francis Poku (Manager)	0241858881 Mankranso Forest District	10	Band Mill	TUC	Domestic Market

ASHANTI REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
14	Paul Asuming Ent.	Registered with both TIDD and Registrar General	Paul Asuming (Manager)	0248620458, 0208588626 Mankranso Forest District	24	Band Mill	Bought from TUC holder	Domestic Market
15	Adansi Caravan Co. Ltd.	Registered with both TIDD and Registrar General	Afo Daniel, Manager	0206290067 Obuasi Bekwai Forest District	22	Band Mill	Salvage Permit	Domestic Market
16	K.O. Agyemang Co. Ltd.	Registered with both TIDD and Registrar General	-	0208256420 Agyenkwaso Bekwai Forest District	-	Wood-Mizer	Bought from TUC Holder	Domestic Market
17	Owusu Ansah Wood proc.	Registered with both TIDD and Registrar General	Ernest Asare Foreman	0243525345 Tasliman Bekwai Forest District	22	Lucas & Wood-Mizer	Bought from TUC Holder	Domestic Market
18	Rasphy plus Co. Ltd.	Registered with both TIDD and Registrar General	Razak Kwame Director	0202171766, New Edubiase District	3	Wood-Mizer	Bought from TUC Holder	Domestic Market
19	Aning Panbous Sawmill	Registered with both TIDD and Registrar General	Alex Manager & Secretary	0244686074 Ejura Mampong Forest District	4	Wood-Mizer	Bought from TUC Holder	Domestic Market
20	Sector Woodworks Co. Ltd.	Registered with both TIDD and Registrar General	Andrus, Assistant manager	0244516268 Mankrong New Edubiase Forest District	18	Wood-Mizer	Bought from TUC Holder	Domestic Market

ASHANTI REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
21	Sir Charles wood proc.	Registered with both TIDD and Registrar General	Sir Charles Director	0245793375, 0233793375 Ataase New Edubiase Forest District	26	Lucas & Wood-Mizer	TUC, SP, Bought	Domestic Market
22	Franco Timbers Co. Ltd.	Registered with both TIDD and Registrar General	Kyeremateng & Vivian, Director & p.a. Director	0503065370 Obuasi Bekwai Forest District	8	Wood-Mizer	TUC	Domestic Market
23	Afka Bel Co. Ltd	Registered with both TIDD and Registrar General	Hassan Touré Director	0245629024 Akropong Esase Mankranso Forest District	15	Band & Wood-Mizer	TUC	Domestic Market
24	K. Anokye Bushmill	Registered with both TIDD and Registrar General	Nicolas Foreman	0237550522 Ataase, New Edubiase Forest District	12	Lucas & Wood-Mizer	Bought from TUC Holder	Domestic Market
25	Gablahi Co. Ltd. Annex	Registered with both TIDD and Registrar General	Daniel Mensah Bush manager	0242612186 Apagya New Edubiase Forest District	15	Lucas & Wood-Mizer	Salvage Permit Bought	Domestic Market
26	Ashanti Curls & Lumber production	Registered with both TIDD and Registrar General	Kwame Jumfo Manager	0207619921 New Edubiase New Edubiase Forest District	4	Bush & Dimension saw	TUC Holder	Domestic Market
27	Gablahi Co. Ltd.	Registered with both TIDD and Registrar General	Daniel Mensah Bush	0242612186 Mankrong, New Edubiase Forest District	15	Wood-Mizer	Salvage Permit Bought	Domestic Market

ASHANTI REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
28	Bad Beck Co.	Registered with both TIDD and Registrar General	Thomas Supervisor	0204234374 Ayokoa, New Edubiase Forest District	4	Wood-Mizer	Salvage Permit	Domestic Market
29	Emma Ewurade Ent.	Registered with both TIDD and Registrar General	Emmanuel K. Owusu Director	0209196882 Ayokoa, New Edubiase Forest District	15	Lucas & Wood-Mizer	Bought from TUC Holder	Domestic Market
30	Highly Exalted Co. Ltd.	Registered with both TIDD and Registrar General	Richard Anokye Bempah Manager	0244492167, Edubiase Swedru, New Edubiase Forest District	5 permanent, 15 temporal	Band, Bush, Lucas &Wood-Mizer	TUC holder	Domestic Market
31	Dadzie Wood proc.	Registered with both TIDD and Registrar General	Samuel Dadzie Manager	0260898166, Bronikrom New Edubiase Forest District	6	Lucas Mill	TUC holder	Domestic Market
32	Adjei Co. Ltd.	Registered with both TIDD and Registrar General	Prosper Nkansah Director	0244290849, 0549420137 Edubiase Camp2, New Edubiase Forest District	8	Woodmizer	Bought from TUC holders	Domestic Market
33	Daymark Vision Co. Ltd.	Registered with both TIDD and Registrar General	Maclean Adamafo Director	0205553363 Ansah New Edubiase Forest District	21 permanent, 4 temporal	Lucas & Wood-Mizer	Bought from TUC holders	Domestic Market
34	Almighty Wood proc.	Registered with both TIDD and Registrar General	Papa Abu Sarfo Manager	0244114757 Atobiase New Edubiase Forest District	2 permanent, 2 temporal	Wood-Mizer	Bought from TUC holders	Domestic Market

ASHANTI REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
35	Stekwan Co. Ltd.	Registered with both TIDD and Registrar General	Papa Abu Sarfo, Manager	0548523050 Atobiase New Edubiase Forest District	2 permanent, 2 temporal	Wood-Mizer	Bought from TUC holders	Domestic Market
36	Ejura Timber Co. Ltd.	Registered with both TIDD and Registrar General	Michael Abbiw Deputy Manager Director	0244626897, 0244460866 New Edubiase Forest District	12 permanent	Lucas & Wood-Mizer	TUC Holder	Domestic Market
37	Mokaf Investment	Registered with both TIDD and Registrar General	Kweku Frimpong Director	0208148613, Fumso New Edubiase Forest District	2 permanent, 2 temporal	Lucas Mill	Salvage Permit Holder	Domestic Market
38	Dovtom Wood Processing & Construction Enterprise	Registered with both TIDD and Registrar General	Dovi kwaku Thomas (Owner)	05542437142, Gyadam Juaso forest Dsitrict	7 Permanent, 10 Temporary	Wood-Mizer	Bought from TUC holder	Domestic Market

Annex 1b List of Small-Medium Scale Timber Milling in the Brong Ahafo Region

BRONG AHAFO REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
1	Fine Boy Pomoko Company Limited	Registered with both TIDD and Registrar General	Kwabena Boateng, Director	0243833895 Akomadan- Offinso North Offinso Forest District	15	Woodmizer LT	TUC holder	Foreign-overseas

BRONG AHAFO REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
2	Jintu Industry Limited	Registered with both TIDD and Registrar General	Hassan Alhaji, Director	0244373555 Techiman- Techiman Municipal. Offinso Forest District	15 Permanent 50 casual	Wood-Mizer	Salvage Permit Holder	Foreign-overseas
3	May and Glisbe Timber Company	Registered with both TIDD and Registrar General	Kwame Dabo, Forman	0548423776 Techiman TSL - Techiman Municipal. Kintampo Forest Dist.	3 permanent 4 causal	Woodmizer	Bought from people who harvest from farmlands	Foreign-overseas
4	Coawood Company	Registered with both TIDD and Registrar General	Gershoi, Manager	0246857131 Techiman off Norkoranza Rd- Techiman Municipal Kintampo Forest Dist.	-	Woodmizer	Salvage Permit Holder	Foreign-overseas
5	G Bross Company Ghana Limited	Registered with both TIDD and Registrar General	Julius Ofori Oppong, Forman	0575118868 Techiman Grotto Rd- Techiman Municipal. Kintampo Forest Dist.	16	Band Mill	Salvage Permit Holder	Foreign-overseas
6	Dream Star Limited	Registered with both TIDD and Registrar General	Michael Smith, Director	0509592586 Akina Techiman- Techiman Municipal Kintampo Forest Dist.	10	Wood-Mizer	Salvage Permit Holder	Foreign-overseas
7	ANADAB Company Limited	Registered with both TIDD and Registrar General	Ebenezer, Manager	0244373555 Awisa, Wenchi – District Kintampo Forest Dist.	20	Wood-Mizer & Band Mill	TUC Holder	Foreign-overseas

BRONG AHAFO REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
8	AFANKO Company Limited	Registered with both TIDD and Registrar General	Kwadwo Appaih, Manager	0506154757 Kintampo Sawmill-Kintampo North District Kintampo Forest District	12	Woodmizer	Bought from Farmlands	Foreign-overseas
9	Mohammed Mariama Company Limited	Registered with both TIDD and Registrar General	Mohammed Mariama, Director	0243572193 Kintampo Sawmill-Kintampo North District Kintampo Forest District	40	Woodmizer	Bought from farmlands	Foreign-overseas
10	Ahenwaa Compress	Registered with both TIDD and Registrar General	Enerst Agyei, Owner	0241174842 Jema Dumsor-Kintampo South District Kintampo Forest District	9	Woodmizer	Bought from farmlands	Foreign-overseas
11	Atofo Sawmills	Registered with both TIDD and Registrar General	Joe, Manager	0200329240 Akokoa – Atebubu Amantin District Atebubu Forest District	20	Woodmizer	TUC	Foreign-overseas
12	Ohemaa Sawmills (NKT)	Registered with both TIDD and Registrar General	-	0208245433 Opposite Police Station, Atebubu – Atebubu Amantin District Atebubu Forest District	-	Woodmizer	TUC Holder	Foreign-overseas
13	Modern Wood	Registered with both TIDD and Registrar General		Wiase, -Sene East Atebubu Forest District	-	Woodmizer	TUC	Foreign-overseas

BRONG AHIAFO REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
14	Twene Bee Company Limited	Registered with both TIDD and Registrar General	Benjamin, owner	(0205008596) Kwame Danso, -Sene East. Atebubu Forest District	14	Wood-mizer	Bought from TUC Holders	Foreign-overseas / Domestic
15	Green Gold Export Limited	Registered with both TIDD and Registrar General	Martin Nyarko, Owner	0547250855 Kyeamekrom, -Sene East Atebubu Forest District	20	Wood-mizer	TUC Holder	Foreign-overseas /Domestic
16	NASORP Mercantile Company Limited	Registered with both TIDD and Registrar General	Yeboah, Forman	0260736945 Afresipakrom – Sunyani Municipal. Sunyani Forest District	25	Bandmill	Salvage Permit Holder	Foreign-overseas
17	KK Sawmill Company Limited	Registered with both TIDD and Registrar General	William Okyere, Forman	0275422536 Abesim, Domenase – Sunyani Municipal Sunyani Forest District	45	Wood-mizer	Salvage Permit Holder	Domestic
18	CHARAMS Company Limited	Registered with both TIDD and Registrar General	Charles Amoako, Owner	0244448565 wood market No 2, Sunyani – Sunyani Municipal Sunyani Forest District	6	Wood-mizer	Bought from farmlands	Domestic
19	K. Yeboah Enterprise	Registered with both TIDD and Registrar General	Kwasi Yeboah, Forman	0272567229 Sunyani– Sunyani Municipal Sunyani Forest District	10	Band mill	Permit Holder	Domestic
20	Sethmed and Sons Company Limited	Registered with both TIDD and Registrar General	Seth Mohammed, Owner	0208170875 Mpataapo – Berekum Dormaa Forest District	8	Wood-mizer	Salvage Permit Holder	Foreign-overseas

BRONG AHAFO REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
21	Afram Company	Registered with both TIDD and Registrar General	Mr. Afram, owner	0208245405 Mpataapo – Berekum Dormaa Forest District	25	Woodmizer	Salvage Permit Holder	Foreign-overseas
22	Fosu and Fosuaa	Registered with both TIDD and Registrar General	Kwadwo, Forman	0206567190 Water works, Berekum- Berekum Dormaa Forest District	8	Woodmizer	Salvage Permit Holder	Foreign-overseas
23	Cidakon Sawmill	Registered with both TIDD and Registrar General	Stephen Kwakye, Forman	0242756160 Berekum Magazine – Berekum Dormaa Forest District	25	Woodmizer	Private farmlands	Foreign-overseas
24	Rural Forest Enterprise	Registered with both TIDD and Registrar General	Kwame Yeboah, forman	0203705663 Akyeremasu – Dormaa East Dormaa Forest District	5	Woodmizer	TUC Holder	Foreign-overseas
25	MAY T	Registered with both TIDD and Registrar General	-	Akyeremasu – Dormaa East Dormaa Forest District	10	Woodmizer	TUC Holder	Domestic
26	Alhaji Adam Sawmill	Registered with both TIDD and Registrar General	Asare Isaac, Operator	05482564452 Dormaa – Dormaa East Dormaa Forest District	6	Woodmizer	TUC Holder	Foreign-overseas
27	Oti Yeboah Firm	Registered with both TIDD and Registrar General	Philemon Sekyi, Operator	0242787559 Kuffour Camp – Sunyani	4	Mobile Dimension	TUC Holder	Domestic

BRONG AHIAFO REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
28	BEMOLOR Company Limited	Registered with both TIDD and Registrar General	Mr. Barnie, Manager	0243483775 Wamahiniso – Sunyani Sunyani Forest District	19	Band Mill	Bought from Farm lands	Foreign- overseas / Domestic
29	Limbakom Company Limited	Registered with both TIDD and Registrar General	Linda Konadu Owner	02674858 56 Hwidiem – Asunafo North Goaso Forest District	13	Woodmizer	Bought TUC Holders	Domestic
30	John Orlando	Registered with both TIDD and Registrar General	John Orlando, owner	0247129801 Nkasiem – Asunafo North Goaso Forest District	9	Woodmizer	Bought TUC Holders	Domestic
31	Adjei Darko Sawmill	Registered with both TIDD and Registrar General	-	Amanfrom- Asunafo North Goaso Forest District	7	Woodmizer	TUC Holder	-
32	A.K. Overseas Company	Registered with both TIDD and Registrar General	Stephen, Forman	0203858196\0203252312 Nsuaatre – Sunyani Sunyani Forest District	48	Woodmizer	Salvage Permit Holder	Foreign- overseas
33	Asuo Boti Sawmill	Registered with both TIDD and Registrar General	Emmanuel, Forman	0203886489 Adams Town, Nsuaatre – Sunyani Sunyani Forest District	3	Woodmizer	TUC Holder	Domestic
34	Nasakye Company Limited	Registered with both TIDD and Registrar General	Nana Kwame Sekyere, owner	0207415202 Chiraa – Sunyani West Sunyani Forest District	8	Woodmizer	Salvage Permit Holder	Foreign Overseas

BRONG AHAFO REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
35	R. K. P. Prepara Company Limited	Registered with both TIDD and Registrar General	Abubakar, Forman	0248503976 Bediako, – Asunafo North Goaso Forest District	15	Woodmizer	TUC Holder	Domestic
36	F.D.N.T.	Registered with both TIDD and Registrar General	-	Bediako, G – Asunafo North Goaso Forest District	24	Band Mill	TUC Holder	Domestic
37	Kataban Timbers	Registered with both TIDD and Registrar General		0543092055\0243336952 Bediako – Asunafo North Goaso Forest District	35	Woodmizer and Mobile Dimension	TUC	Domestic
38	Sheik Timbers	Registered with both TIDD and Registrar General	-	Dominase – Asunafo North Goaso Forest District	16	Woodmizer	Bought from Concession Holder	Domestic
39	SVTT	Registered with both TIDD and Registrar General	Solomon, Forman	0555189042 Asanteman Council – Asunafo North Goaso Forest District	16	Woodmizer	Bought from Concession Holder	Domestic
40	Emmanuel Larrey Company Limited	Registered with both TIDD and Registrar General	Emmanuel Kwame Larrey, owner	0208134480 Kasapin – Asunafo North Goaso Forest District	50	Band Mill & Lucas Mill	TUC Holder	Domestic
41	Akrodie Artisanal Millers	Registered with both TIDD and Registrar General	Aygenim Boateng, Leader	0209120385 Akrodie Sawmills Akrodie – Asunafo North	8	Woodmizer	Bought from concession holders	Domestic

BRONG AHAFO REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
42	Crister Timbers	Registered with both TIDD and Registrar General	Malik, forman	0542116147 Kamerekrom – Asunafo South Goaso Forest District	25	Woodmizer& Lucas Mill	TUC Holder	Domestic
43	Lethnass Company Limited	Registered with both TIDD and Registrar General	Kwame Adjiei, forman	0272859951 Sankore – Asunafo South Goaso Forest District	70	Band mill & Mobile Dimension	TUC Holder	Foreign-Overseas
44	Sankore Artisanal Miller	Registered with both TIDD and Registrar General	Justice Armah, leader	0244462101 Samapa, Sankore – Asunafo South. Goaso Forest District	12	Wood-mizer	Bought from concession holder	Domestic
45	Iron Master	Registered with both TIDD and Registrar General	Ali , Director	0243060304 Samapa, Sankore – Asunafo South. Goaso Forest District	12	Wood-mizer	Bought from concession holders	Domestic
46	Mackasco Venture	Not Registered with both TIDD and Registrar General	Acheampong Benjamin, secretary	0243335921 Tuobodom Magazine-Techiman. Sunyani Forest District	19	Woodmizer	Salvage Permit Holder	Foreign-overseas
47	Fear God Capentery	Not Registered with both TIDD and Registrar General	Yaw Kogovi Seth,owner	0554126233 Katakylie Timber Market- Nkoranza Kintampo Forest District	2	Woodmizer	Bought from farmlands	Domestic

BRONG AHAFO REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
48	Viena Capital Firm	Not Registered with both TIDD and Registrar General	-	Sunyani – Sunyani Forest District	4	Band Mill	Bought from farmlands	Foreign-overseas
49	Simon Sawmills	Not Registered with both TIDD and Registrar General	Simon, Owner	Kutre No. 1 – Berekum	12	Woodmizer	Bought from farmlands	Foreign-overseas
50	Chicago Sawmill	Not Registered with both TIDD and Registrar General	Obeng Damoa, owner	0208234552\ 0542805731 Kutre No. 2 – Berekum	19	Woodmizer	Bought from farmlands	Foreign-overseas
51	Sawmills adjacent FDNT sawmill	Not Registered with both TIDD and Registrar General	- There are about 6 workshops	Owusu Yeboah, owner Bediako – Asunafo North Goaso Forest District	6-12	Band mill, Wood-mizer and Mobile dimension	Bought from Farmlands	Domestic
52	Akrodie Sawmills	Not Registered with both TIDD and Registrar General	- There are about 70 unregistered workshops	Akrodie Sawmills Akrodie – Asunafo North Goaso Forest District	6-15	Lucas mill, Woodmizer and Mobile dimension	Bought from Farmlands	Domestic
53	Janet Amankwaa Company Limited	Not Registered with both TIDD and Registrar General	Frank Agyei, Operator	0249384865 Kwaponing – Asunafo South Goaso Forest District	4	Wood-mizer	Bought from TUC Holders	Domestic

BRONG AHAFO REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
54	Hud Addo Sawmill	Not Registered with both TIDD and Registrar General	Hud Alhassan, owner	0244580733 Kwaponong – Asunafo South Goaso Forest District	3	Wood-mizer	Bought from TUC Holders	Domestic
55	K.A.A Timber Limited	Not Registered with both TIDD and Registrar General	Nana Kontihene owner	0243088429 Komfokrom, Sankore – Asunafo South Goaso Forest District	10	Wood-mizer	Bought from Farmlands	Domestic
56	Madam Naomi Sawmill	Not Registered with both TIDD and Registrar General	-	0243385192 Komfokrom, Sankore – Asunafo South Goaso Forest District	5	Wood-mizer	Bought from Farmlands	Domestic
57	Abu Sawmill	Not Registered with both TIDD and Registrar General	Abu owner	0242783947 Samapa, Sankore-Asunafo South Goaso Forest District.	6	Lucas Mill	Bush cuts	Domestic
58	Nana Sawmill	Registered with Registrar General	Oduro Foster, Forman	0279653783 Wamahiniso – Sunyani Sunyani Forest District	10	Wood-mizer	Bought from Farm lands	Domestic
59	Fama Faa Global Ventures	Registered with Registrar General	Famous Akumey Akakpo , owner	0200220693\0248761216 Mim Water works – Asunafo North Goaso Forest District	20	Lucus Mill	Bought from Concession holder	Domestic

BRONG AHAFO REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
60	DABONICOS Company	Registered with Registrar General	Emma Operator	0242209190 Krenkoase, Kwame Danso – Sene East District Atebubu Forest District	6	Woodmizer	TUC Holder	Foreign-overseas
61	Adom Yeboah Company Limited	Registered with Registrar General	David Padi, Operator	0243057821 Kwame Danso – Sene East Atebubu Forest District	11	Woodmizer	TUC Holder	Foreign-overseas / Domestic
62	Next Door Company Limited	Registered with Registrar General	Moses Oppong, Owner	0246540444 Akomadan- Offinso North Offinso Forest District	19	Woodmizer & Mobile Dimension	Salvage Permit Holder	Foreign-overseas
63	Ayidechaw Sawmill	Registered with Registrar General	Issahaku Didata, owner	0545484884 Sawmill- Kintampo Kintampo Forest District	5	Woodmizer	Salvage Permit Holder	Domestic
64	Arafat Capentery Workshop	Registered with Registrar General	Samuel Ofori, owner	0246651411 Katakylie Timber Market- Nkoranza Kintampo Forest District	8	Woodmizer	Bought from People who bring them from bush	Domestic

BRONG AHAFO REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
65	Geophilos Company Limited	Registered with Registrar General	George Markus, Owner	0243617118 Sawmill- Kintampo Kintampo Forest District	10	Woodmizer	Bought from Farmlands	Domestic

Annex 1c List of Small-Medium Scale Timber Milling in the Central Region

CENTRAL REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
1	Philkary Enterprise	Registered with both TIDD and Registrar General	Philip Adolo Manager	0242903493 Dunkwa- Upper Denkyira East. Asikuma Denkyira Dunkwa Forest District	8	Wood-Mizer	Bought from TUC holders (SABT, OSAP & GAT)	Domestic
2	Yesu Mo Sawmills Ltd	Registered with both TIDD and Registrar General	Kwasi Atsu	0244366531 Diaso- Upper Denkyira West Asankaregua Forest District	9	Wood-Mizer	Bought from TUC holders	Domestic
3	Touch me not Unique Sawmill Enterprise	Registered with both TIDD and Registrar General	Eric Opoku Manager	050048044 Diaso- Upper Denkyira West Asankragwa Forest District.	25	Wood-Mizer & Lucas	Bought from TUC holder (RKP)	Domestic

CENTRAL REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
4	Vecmar G.S Limited	Registered with both TIDD and Registrar General	Charles Amarth Director	0201422677 Modaso- Upper Denkyira West. Asankragwa Forest District.	15	Wood-Mizer	TUC Holder	Domestic
5	Almighty Fred Ventures	Registered with both TIDD and Registrar General	Fredrick Agyei Director	0245086071 Modaso- Upper Denkyira Asankragwa Forest District	10	Lucas Mill	Bought from TUC holder	Domestic
6	J. Appiah Sawmill Ent	Registered with both TIDD and Registrar General	Daniel Appiah Director	020166330 Diaso- Upper Denkyira West Bibiani Forest District	20	Wood-Mizer & Lucas	Bought from TUC holder	Domestic
7	Versatile Ventures	Registered with both TIDD and Registrar General	Baba Shaibu, Director	0244772719 Diaso- Upper Denkyira West Asankragwa Forest District.	9	Wood-Mizer	Bought from TUC holder	Domestic
8	Abrebrese Sawmills Ltd	Registered with both TIDD and Registrar General	Akomea Abebrese, Director	0244076955 Twifo Mampong, Twifo Atimokwa. Dunkwa-on- Offin Forest District	6	Band Mill	Bought from TUC holder	Domestic
9	O3 Company Limited	Registered with both TIDD and Registrar General	Owusu Yaw, Director	0243686458 Ayinase- Twifo Atemokwah Dunkwa Forest District	23	Band Mill	TUC holder	Domestic

CENTRAL REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
10	Adjoa Frimpomaa Company Limited	Registered with both TIDD and Registrar General	Adjoa Frimpomaa Director	0244780498 Ayanfuri- Upper Denkyira West Dunkwa Forest District	15	Wood-Mizer	TUC holder	Domestic
11	Bee Company Limited	Registered with both TIDD and Registrar General	Mr. Kwabena Boahene Asare Director	0244 619 493 Ammisah Dunkwah Upper Denkyira East Dunkwa Forest District	17	Wood-Mizer	TUC holder	Domestic
12	Eddy Walker Sawmill	Registered with both TIDD and Registrar General	Edward Fynn Walker Director	0244110512 Twifo Bepobeng/ Ayinase - Twifo Atimokwah. Dunkwa Forest District	10	Papalupa & Wood-Mizer	Bought from TUC holder	Domestic
13	Amakof Timber Ltd	Registered with both TIDD and Registrar General	Kofi Asante Director	Assin Andoe – Assin North Assin Fosu Forest District	20	Wood-Mizer	TUC holder	Domestic
14	Log Cabin	Registered with both TIDD and Registrar General	Daniel Kwasi Asante Director	0208158941 Assin Asare - Assin North Assin Fosu Forest District Political District	20	Wood-Mizer	TUC holder	Domestic
15	Payab Company Limited	Registered with both TIDD and Registrar General	Peter Yaw Affum Director	0244374646 Assin Atonsu- Assin North Assin Fosu Forest District	10	Wood-Mizer	TUC holder	Domestic

CENTRAL REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
16	Woodlow Company	Registered with both TIDD and Registrar General	Seth Mensah Director	0243567236 Assin Atonsua - Assin North Assin Fosu Forest District	26	Wood-Mizer	TUC holder	Domestic
17	A-Nash Enterprise	Registered with both TIDD and Registrar General	Anthony Ansa Manager	Assin Toaso -: Assin North. Assin Fosu Forest District	6	Super Challenger	Bought from TUC holders	Domestic
18	Raywood Processing Company Limited	Registered with both TIDD and Registrar General	Raymond Tosafa Director	0268385031 Assin Juaso - Assin North Assin Fosu Forest District	17	Wood-Mizer	Bought from TUC holders	Domestic
19	EMFAS Enterprise	Registered with Registrar General	Enoch Nti Frimpong Owner	0207115392 Dunkwa Mfum - Upper Denkyira East. Dunkwa Forest District	10	Band Saw	Illegal (Bush cut)	Domestic
20	Diaswood Ghana comp. Ltd	Registered with Registrar General	George Amoah, Director	0546302212 Diaso – Upper Denkyire West. Asankragua Forest District.	27	Pillar	Bought from TUC holders	Domestic
21	Georian Comp. Ltd	Registered with Registrar General	George Appladu. Manager	0206824071 Asikuma – Upper Denkyire East. Dunkwa Forest Dist.	6	Wood-Mizer	TUC holder	Domestic

CENTRAL REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
22	-	Not Registered	Andy Forson Owner	0244229238 Afrangna Junction, Mfantsiman Cape Coast Forest District:		Wood-Mizer	Sawmill Cut	Domestic
23	Majik Company Limited	Registered with Registrar General	Majid Samir	0244 596227 Modaso - Upper Denkyira West. Asankragwa Forest District	5	Lucas Mill	Bought from TUC holders	Domestic

Annex 1d List of Small-Medium Scale Timber Milling in the Eastern Region

EASTERN REGION								
No.	Name Of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
1	EMANRO Wood Processing	Registered with TIDD and Registrar General	Worker	0242983533 Oda-Birim Central Oda Forest District	6	Band Mill	TUC holder	Domestic
2	Kwaayirenkyi Enterprise	Registered with TIDD and Registrar General	Godwin Boadi Manager	0201938886 Oda-Birim Central Oda Forest District	14	Forest Mill and Woodmizer	Salvage Permit Holder	Domestic
3	KOM FRANZ Wood Processing	Registered with TIDD and Registrar General	Manager	0207274292 Oda-Birim Central Oda Forest District	8	Forest Mill and Woodmizer	Bought from TUC holders	Domestic

EASTERN REGION								
No.	Name Of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
4	Akyem Sawmills	Registered with TIDD and Registrar General	Sheff Manager	0276616277 Oda-Birim Central Oda Forest District	7	Forest Mill and Woodmizer	Bought from TUC holders	Domestic
5	O. Agyei Wood Processing	Registered with TIDD and Registrar General	Jooseph Tuffour, Manager	0244740970 Oda-Birim Central Oda Forest District	10	Woodmizer	Bought from TUC holders	Domestic
6	Y.B. Timbers and Wood Processing	Registered with TIDD and Registrar General	Paul Bediako, Manager	0246174447\0244238706 Oda-Birim Central Oda Forest District	15	Woodmizer	Permit Holder	Domestic
7	Atlantic Distribution and Service	Registered with TIDD and Registrar General	Idurisu Ossman, Manager	0248040357 Asanteman -Birim Central Oda Forest District	10	Band mill	Permit (Salvage Permit)	Domestic
8	Paulman Enterprise	Registered with TIDD and Registrar General	Solomon, Forman	0249003844 Akyem Manso- Birim Central. Oda Forest District	8	Band mill	Bought from TUC holders	Domestic
9	Bookman Sawmill	Registered with TIDD and Registrar General	Yaw Mumuni, Forman	0243367130 Akyem Asuoso-Birim Central. Oda Forest District	10	Woodmizer	TUC holder	Domestic /Foreign- overseas
10	EMPECON Sawmill Limited	Registered with TIDD and Registrar General	E.P. Korang, Manager	0244806567 Asamankese-West Akim Municipal, Oda Forest District	15	Band mill and Forest Mill	TUC Holder	Domestic

EASTERN REGION								
No.	Name Of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
11	Broadwater Sawmill	Registered with TIDD and Registrar General	Edward Dwamena, Manager	0208149726 Nkwawkaw- Kwuhu West District Begoro Forest Dist	65-70	Woodmizer	Bought from TUC holders	Foreign- Overseas/ Domestic
1	Ayipa Wood Company	Registered with TIDD and Registrar General	Aseidu Yamoah, Accountant	0246302956 Nkwawkaw- Kwuhu West. Begoro Forest District	140	Woodmizer	TUC holders	Foreign- Overseas/ Domestic
2	E.K. Asomani	Registered with TIDD and Registrar General	Emmanuel, Assistant Manager	0243953990 Nteso- Kwahu South Mpreaso Forest District	45	Woodmizer	TUC holders	Domestic
3	S. K Owusu (Collins)	Registered with TIDD and Registrar General	Isaac Mensah, Forman	0246464338 Obouho, Fanteakwa Begoro Forest District	11	Woodmizer	TUC holder	Domestic
4	S. K. Owusu (Agyeman)	Registered with TIDD and Registrar General	Agyeman, owner	0244237728 Akokora Darko, Fanteakwa Begoro Forest District	-	Woodmizer	TUC holders	Domestic
5	STEPAPA Company Limited	Registered with TIDD and Registrar General	Stephen Owusu, Owner	0244760267 Obtwech, Fanteakwa Begoro Forest District	8	Woodmizer	Bought from S.K. Concession	Domestic
6	Prince SAT Ventures	Registered with TIDD and Registrar General	Kenneth Badu, Forman	0243216290 Ahomahomaso, Fanteakwa Begoro Forest District	13	Woodmizer	Salvage Permit Holder	Domestic

EASTERN REGION								
No.	Name Of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
7	Osman Company	Registered with TIDD and Registrar General	David, Worker	0203744698 Oda-Birim Central Oda Forest District	6	Forest Mill and Woodmizer	Bought from TUC holder	Domestic
8	Saphinat Company Limited	Registered with TIDD and Registrar General	Evans, Forman	0205416120 Kwadaso and Konronso Fanteakwa. Begoro Forest District	8	Woodmizer and Lucas Mill	Salvage Permit Holder	Domestic
9	Paul Akese Sawmill Company Limited	Registered with TIDD and Registrar General	Paul Akese Director	0506496777 Osino- Kwuhu West Begoro Forest District.	8	Woodmizer	Salvage Permit Holder	Domestic
10	Kwame Kiki Sawmills	Not Registered with TIDD nor Registrar General	Mohammed Mustafa, worker	0246725233\02484733 Oda-Birim Central Oda Forest District.	20	Woodmizer	Bought from people from the bush (Bush Cut, illegal)	Domestic

Annex 1e List of Small-Medium Scale Timber Milling in the Northern Region

NORTHERN REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
1	Lead way stay company	Registered with Registrar General only	Seidu Kassim (Co-Owner)	0243479031/0200706050 Nabori, West Gonja Domongo Forest District	15	Wood-Mizer	Bush cut	Foreign overland

Annex 1f List of Small-Medium Scale Timber Milling Western Region

WESTERN REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
1	Damfo Adu Sawmills Company LTD	Registered with TIDD and Registrar General	J.Y. Adu Director	0554605440 Enchi, Aowin Enchi Forest District	4	Band Mill	TUC holder	Domestic
2	Sylbeth INT. ENT.	Registered with TIDD and Registrar General	Adade Boison, Director	0244405246 Anyinabrim, Sefwi Wiawso, Sefwi Wiawso Forest District	15	Wood Mizer	TUC holder	Domestic
3	Ampland Wood Products LTD	Registered with TIDD and Registrar General	Osei Ampadu Director	0541189891 Ayiwabra Junction, Aowin Enchi Forest District	32	Wood Mizer	TUC holder	Domestic
4	Emma Darko Comp. LTD	Registered with TIDD and Registrar General	Emmanuel Darko	0244273946 Awaso, Bibiani-Ahwiaso- Bekwai. Bibiani Forest Dist	15	Wood Mizer	TUC holder	Domestic

WESTERN REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
5	LOGS Court	Registered with TIDD and Registrar General	Mohammed Abubakar, Manager	0245416564 Kunkunso, Bibiani-Ahwiaso-Bekwai, Bibiani Forest Dist	17	Wood Mizer	TUC holder	Domestic, Foreign (Overseas)
6	EBA Kofi COMP. LTD	Registered with TIDD and Registrar General	Kofi Kay, Director	Camp 81, Sefwi Wiawso, Sefwi Wiawso Forest District	10	Wood Mizer	TUC holder	Domestic
7	BUADAC COMP. LTD	Registered with TIDD and Registrar General	Boabeng Dacosta Drector	02444623671/0207119936 Boako, Sefwi Wiawso, Sefwi Wiawso Forest District	156	Wood Mizer and Band Mill	TUC holder	Domestic, Foreign (Overseas)
8	Half Sawmill ENT.	Registered with TIDD and Registrar General	Half Director	0243960900 Asawinso, Sefwi Wiawso, Sefwi Wiawso Forest District	7	Wood Mizer	TUC holder	Domestic
9	JES-TONYMENS COMP. LTD II	Registered with TIDD and Registrar General	Anthony Mensah, Director	0505752443 CAMP 81, Sefwi Wiawso, Sefwi Wiawso Forest District	7	Wood Mizer and Lucas Mill	TUC holder	Domestic
10	XYLOGI COMP. LTD	Registered with TIDD and Registrar General	George Brobbey, Director	0244528854/0246589589 Datano, , Sefwi Wiawso, Sefwi Wiawso Forest District	125	Wood Mizer and Lucas Mill	TUC holder	Domestic, Foreign (Overseas)
11	Boison Sawmill Ltd.	Registered with TIDD and Registrar General	Kwabena Boison, Director	0244612396 Kofikrom, Akontombra, Sefwi Wiawso Forest Dist.	99	Wood Mizer and Lucas Mill	TUC holder	Domestic, Foreign (Overseas)

WESTERN REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
12	Anthony Bosompem Ent.	Registered with TIDD and Registrar General	Anthony Bosompem, Director	0244778872/0203221579 Motta, Bibiani-Ahwiaso-Bekwai. Bibiani Forest Dist.	20	Wood Mizer and Lucas Mill	TUC holder	Domestic
13	Kabre Brothers	Registered with TIDD and Registrar General	Isha Haridu, Director	02490973309 Motta, Bibiani-Ahwiaso-Bekwai. Bibiani Forest Dist.	5	Wood Mizer	TUC holder	Domestic
14	T Andrew Comp.Ltd	Registered with TIDD and Registrar General	Thomas Andrew, Director	0243506738 Aniwiame, Sefwi Wiawso. Sefwi Wiawso Forest Dist.	72	Wood Mizer	TUC holder	Domestic
15	Koaba Comp. Ltd	Registered with TIDD and Registrar General	Kwabena Anane, Director	0243269977 Kwamekrom, Bibiani-Ahwiaso-Bekwai. Bibiani Forest Dist.	8	Wood Mizer	TUC holder	Domestic
16	Bibi Ewo Ha Ent.	Registered with TIDD and Registrar General	Sakina Mohammed	024464648 Motta, Bibiani-Ahwiaso-Bekwai. Bibiani Forest Dist.	10	Wood Mizer and Lucas Mill	TUC holder	Domestic
17	Charrowsu Ent.	Registered with TIDD and Registrar General	Charles Owusu Director	0244631590 Boako, Sefwi Wiawso. Sefwi Wiawso Forest Dist.	12	Wood Mizer	TUC holder	Domestic

WESTERN REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
18	Tenartey Comp Ltd	Registered with TIDD and Registrar General	Solomom T. Nartey, Director	024887717 Awaso, Bibiani-Ahwiaso-Bekwai. Bibiani Forest Dist.	10	Wood Mizer	TUC holder	Domestic
19	Akwadiaso Comp. Ltd	Registered with TIDD and Registrar General	Francis Manu, Director	0244713931 Bekwai, Bibiani-Ahwiaso-Bekwai. Bibiani Forest Dist.	65	Wood Mizer and Lucas Mill	TUC holder	Domestic
20	Kabre Bro. Ent. (2)	Registered with TIDD and Registrar General	Alhgasan Haridu. Director	0244481033. Fawokabra, Akontombra Sefwi Wiawso Forest Dist	9	Wood Mizer	TUC holder	Domestic
21	KofiGyakus Ent	Registered with TIDD and Registrar General	Kofi Gyan, Director	0240761690 Nzawura, Akontonbra Sefwi Wiawso Forest Dist.	-	Wood Mizer	TUC holder	Domestic
22	Amoasly Comp. Ltd	Registered with TIDD and Registrar General	John Oppong, Director	0244514529/0270480629 Fawokabra, Akontombra Sefwi Wiawso Forest Dist.	15	Wood Mizer	TUC holder	Domestic
23	Enerst Anothony Comp. Ltd.	Registered with TIDD and Registrar General	Felix Eshun Director	0542556009 Adondonoi, Amenfi East Dunkwa-on-offin Forest Dist.	20	Wood Mizer and Lucas Mill	TUC holder	Domestic

WESTERN REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
24	Jamfo Ent	Registered with TIDD and Registrar General	Richard Wiredu, Director	0207103388, Amankrom Amenfi East. Dunkwa-on- Offin Forest Dist.	40	Wood Mizer and Lucas Mill	TUC holder	Domestic
25	Aya Global Comp. Ltd	Registered with TIDD and Registrar General	Daniel Appiah, Director	0240569824 Camp 81, sefwi Wiawso. Sefwi Wiawso Forest Dist.	37	Wood Mizer	TUC holder	Domestic
26	Manukab Comp. Ltd	Registered with TIDD and Registrar General	Kwabena Manu, Director	0244996918 Bogoso, Prestia- Huni- Valley Dunkwa -on-Offin	10	Wood Mizer	TUC holder	Domestic
27	Nsokot Timbers	Registered with TIDD and Registrar General	Isaac Quartey, Director	0244640975 Adondoye, Amenfi East Dunkwa-on-Offin	15	Wood Mizer and Lucas Mill	TUC holder	Domestic
28	Swiss Lumber Comp. Ltd	Registered with TIDD and Registrar General	Joseph Armah, Asst Director	0553150349 Apowa, Ahanta West Takoradi	120	Band Mill	TUC holder	Domestic
29	Dupaul Wood Treatment Sawmill	Registered with TIDD and Registrar General	D.K. Amoah, Manager	0312024046 Apramdo, Kwasimitim Takoradi	12	Band Mill	TUC holder	Domestic
30	NTA Ventures	Registered with TIDD and Registrar General	Nana Anthony Twumasi (Director)	0243080333 Fawokabra, Akontombra Sefwi Wiawso Forest Dist.	4	Wood Mizer	TUC holder	Domestic

WESTERN REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
31	Elton & Sons	Registered with TIDD and Registrar General	Elton Amponsah (Director)	0244752400 Fawokabra, Akontombra Sefwi Wiawso Forest Dist.	23	Wood Mizer and Lucas mill	TUC holder	Domestic
32	JES Tony-MENS Comp. LTD.	Registered with TIDD and Registrar General	Tony Mensah (Director)	0205656623 Fawokabra, Akontombra Sefwi Wiawso Forest Dist.	10	Wood Mizer and Lucas Mill	TUC holder	Domestic
33	Forson Wood Works	Not registered with TIDD nor Registrar General	Emmanuel Forson	0221147161 Inchabin, Shama Takoradi Forest District	2	Wood Mizer	Sawmill Cut	Domestic
34	-	Not registered with TIDD nor Registrar General	Dan Kwai	0540535893 Gyampokrom, Sefwi Wiawso, Sefwi Wiawso Forest District	4	Mobile Dimension	Bush Cut/ Illegal	Domestic
35	Nhyira FK Ent.	Not registered with TIDD nor Registrar General	Frank Kwadwo Obeng	024144219 Adiembra, Juaboso Juaboso Forest District	7	Mobile Dimension	Bought from TUC holder	Domestic
36	FELOTENG ENT.	Registered with TIDD and Registrar General	Augustine Adu (Director)	0244189285 Punikrom Sefwi Wiawso Forest Dist.	8	Wood Mizer	Bought from TUC holder	Domestic
37	GYEKE & SONS LTD	Registered with TIDD and Registrar General	Richard Gyeke	0204562440 Dominibo Juaboso Forest District	8	Wood Mizer and Lucas Mill	Bought from TUC holder	Domestic

WESTERN REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
38	Kyeremateng Easy Comp. Ltd.	Registered with TIDD and Registrar General	Kyeremateng Kwame (Owner)	0240630240 Afrimkrom Sefwi Wiawso Forest Dist.	4	Wood Mizer	Bought from TUC holder	Domestic
39	Bonitex Ent.	Registered with TIDD and Registrar General	George Amoako, Director	0242564964 Bibiani, , Bibiani-Awhwiaso-Bekwai, Bibiani Forest Dist.	15	Wood Mizer and Lucas Mill	Bought from TUC holder	Domestic
40	PYONTEAK ENT.	Registered with TIDD and Registrar General	Stephen Ofori (Director)	0201559012/0203136379 Sefwi Domeabra Sefwi Wiawso Forest Dist.	15	Wood Mizer	Bought from TUC holder	Domestic
41	ADANSE B ENT.	Registered with TIDD and Registrar General	Adanse Bonah (Director)	0242702065 Pataboso junction, Bibiani-Awhwiaso-Bekwai, Bibiani Forest Dist.	3	Wood Mizer	Bought from TUC holder	Domestic
42	SAMADAN ENT.	Registered with TIDD and Registrar General	Sam Johnson (Director)	0209883541 Campasi, Sefwi Wiawso Sefwi Wiawso Forest Dist.	8	Wood Mizer	Bought from TUC holder	Domestic
43	CHARROWS ENT.	Registered with TIDD and Registrar General	Charles Owusu (Director)	0244631590 Nzawura, Akontombra Sefwi Wiawso Forest Dist.	8	Wood Mizer	Bought from TUC holder	Domestic
44	DERTIA ENT.	Registered with TIDD and RG	Rita Sai (Director)	0244714979 Asawinso, Sefwi Wiawso	4	Wood Mizer	Bought from TUC holder	Domestic

WESTERN REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
45	VIDA AGYEIWAA ENT.	Registered with TIDD and Registrar General	Vida Agyeiwaa (Director)	0241746520 Gyampokrom(Campsi) Sefwi Wiawso Forest Dist.	8	Lucas Mill	Bought from TUC holder	Domestic
46	T.T. B.B.T ENT.	Registered with TIDD and Registrar General	Kofi Aseidu (Director)	0506129542 Campsi, Sefwi Wiawso Forest Dist.	10	Wood Mizer	Bought from TUC holder	Domestic
47	Klinsed Comp. Ltd	Registered with TIDD and Registrar General	Klins Edem, Director	0244615431 Anyinabrim, Sefwi Wiawso Forest Dist	10	Wood Mizer	Bought from TUC holder	Domestic
48	AUGUST DONKOR ENT.	Registered with TIDD and Registrar General	Augustine Donkor (Director)	0240777157 Nzawura, Akontombra Sefwi Wiawso Forest Dist.	6	Wood Mizer and Lucas mill	Bought from TUC holder	Domestic
49	DOM JOYCE ENT.	Registered with TIDD and Registrar General	Atusu Dominic (Director)	0205025988 Nzawura, Akontombra Sefwi Wiawso Forest Dist.	9	Wood Mizer	Bought from TUC holder	Domestic
50	SIR GEE ENT.	Registered with TIDD and Registrar General	George Adu (Director)	02444692098 Motta, Bibiani-Ahwiaso-Bekwai Bibiani Forest Dist.	7	Wood Mizer	Bought from TUC holder	Domestic

WESTERN REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
51	OTOO BROS ENT.	Registered with TIDD and Registrar General	Gamil Otobil Otoo (Director)	0244059021/0244968827 Motta, Bibiani-Ahwiaso-Bekwai Bibiani Forest Dist.	6	Wood Mizer	TUC holder	Domestic
52	F OWARE APPIAH	Registered with TIDD and Registrar General	Francis Oware Appiah (Director)	0242737759 Nzawura, Akontombra Sefwi Wiawso Forest Dist.	20	Wood Mizer and Lucas mill	Bought from TUC holder	Domestic
53	F ERIC KYEI ENT.	Registered with TIDD and Registrar General	Eric Kyei (Director)	0540483509 Nzawura, Akontombra Sefwi Wiawso Forest Dist.	30	Wood Mizer and Lucas Mill	Bought from TUC holder	Domestic
54	OWNERSHIP GOD ENT.	Registered with TIDD and Registrar General	Oscar Yaw Akowah (Manager)	0243722150 Nzawura, Akontombra Sefwi Wiawso Forest Dist.	6	Wood Mizer	Bought from TUC holder	Domestic
55	GABAAH ENT.	Registered with TIDD and Registrar General	Eric Baah (Director)	0502067374 Fawokabra, Akontombra Sefwi Wiawso Forest Dist.	7	Wood Mizer	Bought from TUC holder	Domestic
56	MANDIE ANDREW ENT.	Registered with TIDD and Registrar General	Mandie Andrew (Director)	0246994794/0200194319 Ayisakrom, Akontombra Sefwi Wiawso Forest Dist.	10	Wood Mizer and Lucas mill	Bought from TUC holder	Domestic

WESTERN REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
57	JOADDAL COMP. LTD.	Registered with TIDD and Registrar General	JOHN ADDAI (Director)	0244210255 Awaso, Bibiani-Ahwiaso-Bekwa Bibiani Forest Dist.	15	Wood Mizer and Lucas Mill	Bought from TUC holder	Domestic
58	ASEFUA ENT.	Registered with TIDD and Registrar General	Matthew Asefua (Director)	0244766150 Daboase, Wassa East Takoradi Forest District	23	Wood Mizer	Bought from TUC holder	Domestic
59	WOOD WORK MARINE SAWMILL	Registered with TIDD and Registrar General	Robert Eshun (Manager)	0240221758 Efia Takoradi Forest District	11	Forest Mill	Bought from TUC holder	Domestic
60	Ayena Comp. Ltd	Registered with TIDD and Registrar General	Richard Ayena, Director	0244352182/0242059654 Akosua Anto, Bia East Juaboso Forest District	10	Wood Mizer	Bought from TUC holder	Domestic
61	JOECABUS	Registered with Registrar General	Nana Adu Agyei (Director)	0249578657 Nzawura, Akontombra Sefwi Wiawso Forest Dist.	6	Wood Mizer	Bought from TUC holder	Domestic
62	Kwasi Twum & Sons Comp. Ltd.	Registered with Registrar General	Kwasi Twum (Director)	0244603684 Nzawura, Akontombra Sefwi Wiawso Forest Dist.	15	Wood Mizer and Lucas Mill	Bought from TUC holder	Domestic
63	KAFSCO Comp. Ltd	Registered with Registrar General	Edward Frimpong, Director	0247112442 Awaso, Bibiani-Anhwiaso-Bekwai. Bibiani Forest Dist.	24	Pillar	Bought from TUC holder	Domestic

WESTERN REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
64	Wisemen Construction Ventures	Not registered with TIDD nor Registrar General	Isaac Akwasi Appiah, Director	0244686347 Pataboso Junction, Bibiani- Anhwiaso-Bekwai. Bibiani Forest Dist.	10	Wood Mizer	Sawmill Cuts	Domestic

Annex 2g List of Small-Medium Scale Timber Milling in the Volta Region

VOLTA REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
65	Kwadkoff Company Limited	Registered with TIDD and Registrar General	Ababio Adinkrah (Manger)	0547102025 Aveve-Drah,Kpando, Ho Forest District	16	Wood- Mizer	TUC & SP	Domestic Market
66	F wood& Training Company Limited	Registered with TIDD and Registrar General	Francis Mensah (Owner)	020-888-6118, Sovie Korkordzi, Kpando, Ho Forest District.	3	Wood-Mizer	TUC & Bought from Private contractors	Foreign (overseas)
67	Nana Kwafraam Wood Processing	Registered with TIDD and Registrar General	Peter Aning (Production Manager)	0241-955185 Poase-Cement, Kedjebi. Jasikan Forest District:	14	Wood-Mizer	TUC and SP	Domestic Market
68	Jasinkus Investment Limited	Registered with TIDD and Registrar General	Andrews Kwaku Jasinto (Owner)	0244047436/0264047436 Okadjakrom, Jasikan. Jasikan Forest District.	15	Wood-Mizer	TUC	Domestic and Foreign (Overseas)

VOLTA REGION								
No.	Name of Firm	Registration Status	Contact Person	Contact no. & Address	No. of Employees	Type of Equipment	Source of Raw Material	Target Market
69	Attakay Limited	Registered with TIDD and Registrar General	Atta Kay (Owner)	0208113352/ 0244803664 Ho Central, Ho Forest District	28	Wood-Mizer	Salvage permit and TUC	Domestic and Foreign (Overseas)
70	GEAVAG	Registered with TIDD and Registrar General	Ben Acquah (Manger)	0208414220/0277527199 Agbenoxoe, Kpando. Jasikan Forest District:	8	Wood- Mizer	TUC	Domestic and Foreign (Overseas)
71	Action Wood Processing Company (Zendo)	Registered with Registrar General	Pastor George Honuga (Owner)	0241955185 KwameKrom, Biakoye Jasikan Forest District	15	Wood-Mizer	TUC & Bought from landowners	Domestic and Foreign (overseas)
72	MOG Timber Limited	Registered with TIDD and Registrar General	Issifu Mohammed (Foreman)	0246806494/024384454 4/0204147787 Nkwanta, Nkwanta South Nkwanta Forest District	7	Wood-Mizer	Bought from private landowners	Domestic Market
73	Volta Wood Industry	Registered with TIDD and Registrar General	Robert Kwarteng (Supervisor)	0245016342 Dapaah Junction, Kedjebi Jasikan Forest District	10	Wood-Mizer,	Bought from Private Contractors	Domestic Market

Annex 2. Semi-structure questionnaire used for data collecting data under the study

A General Information

1. Region
2. Forest District
3. Political District
4. Location/Town/ City/Village
5. Contact Address
6. Telephone Number
7. GPS Coordinates
8. Name of Respondent
9. Position of Respondent
10. Name of Firm
11. Is you firm Registered? (i) Yes (ii) No
12. If yes with which organization?
(i) TIDD (ii) Registrar-General's Department
(iii) Other
13. If yes to Q.11 when was the last time you renewed your registration
.....
14. If not Why?
15. Number of Employees
16. Are all employees Ghanaian (i) Yes (ii) No
17. If No to Q16 what are the other nationalities?

B Information on Small-scale Milling

1. Which portable mill do you use to process the timber? (Provide info on back of page if more than one portable mill used)
 - I. Name
 - II. Manufacturer (Local/Foreign)
 - III. Brand and Technical Specifications
 - IV. Year of Acquisition
 - V. Serial Number
2. Which type of saw do you use? (i) Circular (ii) Band (iii) Other

3. Which other equipment do you use in lumber processing? (i) Table saw (ii) Planning Machine (iii) Ceiling Batten machine (iv) other
4. Is your equipment licensed by TIDD? (i) Yes (ii) No
5. If No Why?
6. Where does the timber come from? (i) Harvested from [TUC] [SALVAGE PERMIT] [SP] (ii) Bought from
.....
7. Do you only mill timber from a legal source (i) Yes (ii) No
8. If no what is the percentage illegal and legal raw materials processed?
9. How do you choose which species is obtained? (i) whatever is available (ii) Market demand (iii) Other, namely:
10. List 5 most processed species in terms of volume in order from 1 (Most processed) to 5 (Least processed)
11. What volume of timber and lumber was processed per species in January 2017

Species	Timber Volume (M3)	Lumber Volume (M3)

12. Which products do you sell? (i) Lumber (ii) Other wood products, namely
13. To which market(s) do you sell your products? (i) Foreign – overseas (ii) Foreign overland trade (iii) Domestic
14. Who buys the product(s)? (i) Building contractors (ii) Individual buyers (iii) Carpenters (iv) middlemen (v) governmental institution (vi) other, namely:
15. Are you cooperating in any network/group/ association (i) Yes (ii) No
16. If Yes , What role do you play in that network/ group/association?
.....
17. Contact details of the network group association
18. Where does the network group /association meet?

19. How often does the network/group/association meet?

C Information on service providers

1. Does your firm receive any form of support (training, business information, financial, logistics, etc.) from any institution? Please indicate.

Institution	Type of Support	Contact Address

2. How did you get in contact with such institution?

D Capacity Needs of ATM

What assistance do you need to enable you improve your work, please indicate?

Area of Assistance	Desired Support	Target Institution
I. Organizational Management		
II. Milling of Timber		
III. Acquisition of Equipment		
IV. Operating and Maintenance of Equipment		
V. Networking		



FAO - EU FLEGT PROGRAMME



Food and Agriculture
Organization of the
United Nations



Sweden
Sverige

