

# E-Commerce for Timber Transaction

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**Abstract-** Foresters employed by the public sector are not permitted to engage in business competition. Additionally, they are unable to plan timber sales, estimate wood volumes and values. Forest department have to maintain lot of paper works, firstly come up with an advertisement about the auction before 10-15 days. The advertisement includes auction date, place, timbers name and how much timbers. People should be register and place there bid 1 day before the auction, in the auction day forest department have to check all the papers who are registered and place the bid then who are having the highest bid, the product will be sold to them. We are developing a web portal to avoid this manual bidding system. In our project admin will add the details of the timber in the portal and the minimum amount will be mentioned. Buyers who want to place the timbers in auction compulsorily registered in the portal and also certain amount should be paid at the time of registration. After registration bides have to check the notification about the auction. When the admin bear the notification about the product then buyer should place the bid providing a certain amount. At the end admin will see the highest amount mentioned bidder and send the acceptance notification about the bidding.

**Index Terms-** E-Commerce for Timber Transaction.

## I. INTRODUCTION

One of the really crucial steps in effective forest management is the marketing of timber. Trees that are diseased or of lower quality might be cut down through marketing. To encourage reforestation, financially stable woods could be auctioned. Another uncommon chance to benefit financially from years of forest management is through the sale of timber. Landowners rarely sell timber therefore they typically lack well expertise in logging, timber

estimation, usage regulations, or regional markets. The landowner pays a price for this lack of marketing expertise because it lowers the price for timber. Additionally, poor marketing choices made today can result in an unmanageable, subpar timber stand. You can approach the timber sale in a professional manner with the aid of a solid marketing strategy.

## II. LITERATURE SURVEY

1] In light to fresh hurdles with in financial climate, promotion in the bioeconomy has progressed. A new era of responsible marketing and a sustainable forestry economy is underway as that the ad philosophy are shifted from becoming yield to being market research. practice since the mid-20th century. Historically, service quality and operating in an intensely competitive economy have been the focus of theory building development. To manage client relationships and provide service offerings, advances (such global account marketing) have formed. The difficulty in marketing natural forests is integrating the resource.

2] Developing market for far less creatures is one technique for minimizing strain on the tropical tree's resource and reducing devastation (LUS). One difficulty in integrating 70 % of users is in developing a paradigm which might help in the production of market research for LUS as new manufacturing resources. The goal of this research would be to establish a methodological approach of the debut of LUS toward the business. To meet this target, it really was necessary to: (1) uncover variables thought to influence LUS introductions; (2) identify non-marketing characteristics thought may influence LUS overview; and (3) find benefits regarded to be important in enhancing review and trial usage with LUS.

3] The accompanying marketing was mainly yield. Nonetheless, the concentration of branding is moving between yield to marketplace or user in view of current changes there in industry. This move ushers in a number of more advanced marketing tactics, or by an emphasis on the social obligation as oppose with just obligation. It forest industry is not alone that has seen this change or mutation in marketing thought; many companies clearly demonstrate similar (Morgan 1996)..

## III. SUMMARY OF RELATED WORK

**Proposed Work:** we are developing a web portal for timber auction process, in this project bidders can register online through the registration portal. Bidders can place bid online through bidding portal. Admin will manage all the bids placed. Admin will select the suitable value for the auction placed. Selected bidder will get the bid confirmation.

## System Architecture:

**Phase 1:** Admin maintains the entire application. Administrators have the ability to add, remove, update, and see the specifics of clients, orders, and haulers. The administrator engages with every user and facilitates efficient communication between all parties. The details of products related to forests, such as lumber, are likewise managed by the admin.

**Phase 2:** Here customer is the bidder. Bidder has to be registered before involving in an auction with some initial amount must be paid. When he is notified about the auction he can bid for that timber. Once the bidding is completed, he cannot alter the bidding amount. After the auction completion, who is the highest bidder, he will get a notification about the winning.

**Phase 3:** Hauler has permission to convey the timbers to precise bidder. Hauler compulsorily registered in the portal, he has to give specific information like contact, place, etc. When the bidders contact him, he has to reply for their request about the transportation.

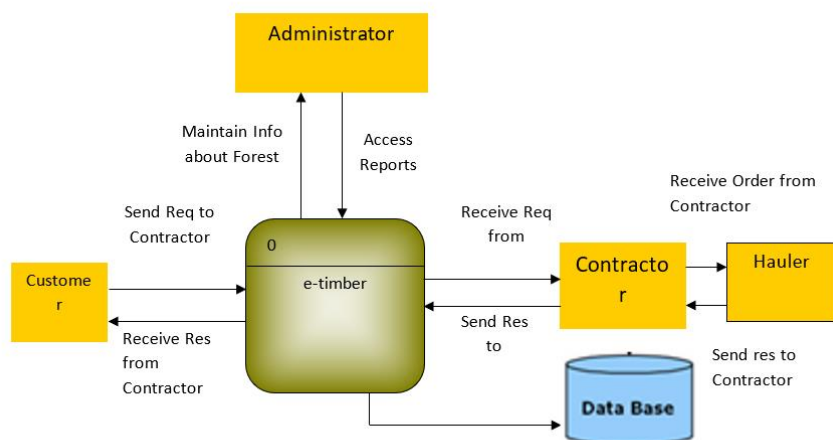


Fig 2.2.1 System Architecture

## IV. SOFTWARE REQUIREMENT SPECIFICATIONS

Operating system	Windows 10
Programming language	Java

Table 5.1 Software details

System	Intel core i7 generation
Processor Speed	2.2 Ghz
CPU	4GB or more
RAM	8GB or more

Table 5.2 Hardware details

## V. OBJECTIVE

The project's idea is to produce a system with facilities for providing the information on forestry or similar activities. The program helps one to meet the eligibility criteria data and carry out any and all major functions. To provide good timbers to peoples by inviting them for the auction process. Auction is not by the manual method it is in the online. Now bidders can bid the products by sitting anywhere without visiting the office.

## VI. CONCLUSION

Admin will see the list of bidders at the end then one who wins the bid will get notification from the admin about his winning of the auction. Selecting the winner is not a problem for the admin because the portal is built without any interfere of third party and there is no fraud in this auction, because admin view only the winner of the auction.

Remaining list of bidders are stored in the database. After selecting the winner of the auction admin should schedule a meeting with that person to discuss about method of payment.

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