INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & MANAGEMENT A STUDY ON FOLDING HOUSE

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ABSTRACT

The aim of this study is to evaluate the performance of folding house is good as compare to permanent house using nut-bolts, plywood, batten and other light weight material. Create economical house and also it can be use temporary on the basis very effectively. It's major benefits is that the house is dissemble as well as assemble easily as compare to permanent house. The construction period is very less of this folding house .study show the basic property of plywood, strength of nut-bolt life of span the house is Eco friendly.

I. INTRODUCTION

The Folding house is new concept in civil engineering. This type of house which can be easily assemble and dismantled. This properties of house is very useful denses populated area and in also various areas where natural disaster frequency is high e.g. earthquake, it is most useful for people working in various places e.g.labours.

The Buildings are temporary. A responsibility of the generation of architects and engineers dealing with consumption and waste, on the scale unimagined, has begun to migrate the result of this epidemic will be a sea change in construction methods or material usage. It is complicated to determine what the future for any building may hold; to assess the length of time the building will stand, or how human behavior and occupant requirement may change its program or define its use. What is apparent is a need for wholesale change, change in the way Architects think, change in the way materials are used recovered, and change in how buildings are capable to perform throughout their lifecycle.

Our project is folding house the purpose of our project is developed the model of house which is fast developed minimized cost of house & reusable with all this feature we are keeping the security level high & the main feature is assemble & dismantle the house easily & less time duration .In this project the material use in folding house detailed study with their specification .Study the procedure of assembly and dissemble deeply.

The recyclable building will be able to be assembled, and disassembled in ways allowing materials to the reassembled, re-used, or repurposed. The recyclable building is imperative to re-establishing the continued existence for our resources and materials. A building that can be disassembled and reused will be the instrumental in sustainable architecture and design.

The demolition of folding house is very easy & the crap value of folding house material quality this all things are mention in our project.

II.OBJECTIVES

The objectives of this study is to investigate the properties and usefulness of folding house

- The people live temporary basis the folding house useful for those people.
- The people migrate one place to the another place .In every place construction of permanent house is not easy this people this type of houses suitable.
- Folding house is economical it use for poor people.
- Without help of skill person shift from one place to another place
- The folding house is useful those people who lives on bigger construction sites .
- Folding house is useful for temporary godown for store valuable material on site for safety purpose.

III.ADVANTAGES

- Folding house is easy in construction.
- The folding house is light in weight it can be easily transport one place to another place.
- It is use full in dense populated area like, kumbhmela
- The material use in folding house these are dispose easily then it is ecofriendly
- The scrap value of material is high.

IV.LIST OF MATERIAL USE & LIST OF TOOLS

MATERIAL	TOOLS
Plywood	Plywood cutter
Nut-Bolts	Tape
Hinges	Screw Driver
Nails	Drill Machine
Batten	Hammer

V.STEPS FOR ASSEMBLE



Fig 1. Assembling Of Folding House

VI.CONCLUSION

There are diverse migratory population that are in need for the shelter. It is economical. It is useful for poor people. In case of emergency and in case of wars ,folding house is a great concept to be taken in

execution. Thus it helps in country's security purpose. Folding house is easy to assemble and easy to demould.

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