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## Shotgun Houses: Application in India

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### ABSTRACT

Vernacular architecture is one of the architectural styles that is designed on the base of the local needs. In vernacular style, *SHOTGUN HOUSES* is one of the most famous housing techniques. These houses are a narrow rectangular domestic residence that is constructed not more than about 12feet (3.5m) wide, the alternate names for the shotgun houses are "SHOTGUN HUT", "SHOTGUN COTTAGE" etc .in India it is seen in very rare places. The objective of this research is to discuss the possibilities of constructing shotgun houses in India.

**Keywords:** Shotgun Cottage, Vernacular Architecture, Domestic Residence.

### INTRODUCTION

In earlier 1920s in the southern united states, shotgun houses are most famous house techniques , but in the New Orleans in early 1800s they started the term shotgun house, according to the peoples idea all the doors in-house are should be opened, because if bullet fired into the house from front door, then without hitting any wall inside the house the bullet comes out from back door of the house, this is the main concept of the shotgun house, later it was developed to the domestic residence for all people according to the local needs, the style of the shotgun house is narrow rectangular residence, it is not more than about 12feet (3.5 m) wide, all the rooms in house are arranged one behind to other and doors at each end of house the common things that are designed is, living room will be first, behind to that bedroom one or two, and at the end of the house kitchen. Early in shotgun houses washrooms were not built, but in later years bathrooms were built behind the kitchen that means the end of the house. In later years the shotgun houses were more developed, and in the Southern United States most the people started building shotgun houses, they change the architecture style of the house and they started building steps inside the house, many of the people started building near to the lakes. Shotgun houses are very basic houses this costs very low and it provides all the basic needs for the people but in India, we didn't build the shotgun houses. The main motive of this research is to build shotgun houses in India.

### ADVANTAGES OF SHOTGUN HOUSES

In early 1920s Portland people used to build shotgun houses according to their climatic conditions the shotgun houses can manage and suit the climate conditions, actually shotgun houses are called because of having long narrow with sequential rooms and no hallway, house will be in rectangular shape it occupies very small space mainly these can built with wood so in emergency situations we can leave the house or it will not give more damage to people, it expenses will be very low cost when compared to brick and concrete construction this houses have the high ceilings and windows on both sides of house the ventilation will be cross ventilation and the light source will be good, kitchen will be always back to the house so the heat that comes from the kitchen will go out easily and the rest of the will not get heated, architect Paul Dowsett's he updated the design plan of shotgun houses, he added the modern techniques to the house and privacy areas inside the house there are many advantages in shotgun houses compared to normally constructed houses. In the 18th and 19th century the united countries started constructing this shotgun houses, from the African architectural style many cities inspired to construct the shotgun houses in west indies new Orleans started building shotgun houses from there it spread over northward, like this all over space these houses get developed but in India there are very rare cases to build the shotgun houses but in modern life we ever started constructing so we can start the building, people used to build the shotgun houses at the riverside by that they can feel the nature and it will be good for the vacations.

### **DISADVANTAGES OF SHOTGUN HOUSES**

Basically shotgun houses are built with wood, sometimes these houses will have the disadvantages with this if we didn't use the fine wood it will not be standard life and due to some wood harm insects the wood will get damaged then it leads to the house collapse so while we building house we need to use the fine wood, and the basic wide of the house is 12 feet sometimes it will not get sufficient for the uses but in modern days the design plan of the shotgun house has been changed so we can overcome the disadvantages of house. In cases of earth quack, this houses will get collapse easily.

### **SHOTGUN HOUSES IN INDIA**

In India in very rare places we can see the shotgun houses but in modern style those are collapsed, in the present architectural style in India there is no shotgun houses in India, in some particular places in India we can start building shotgun house, in the southern part of India in many places at the river bank we can start constructing shotgun houses, according to the climatic conditions of the area there will be more advantages with shotgun houses, by many architects the design plan of the shotgun houses has changed with having very good needs and privacy places inside the house. In the western part of the country we can start constructing the shotgun houses, with shotgun houses we have lots of advantages the tax will be low and it occupies very low space, so the main motive of this research is to start constructing shotgun houses in India.

### **CONCLUSION**

The main motive of this research is to start building shotgun houses in India, there are lot of advantages by using shotgun houses we can reduce the construction tax and we can utilize the less space and have all the needs in some emergency situations we can be untended about our life's and the major thing is we will construct this houses by using wood so that it will not harm the ground and it will be stable for some certain time after we can dismantle it easily and there are some disadvantages also but by taking some precautions we can overcome those defaults, many architects changed the design techniques of the shotgun houses by that modern technique we can have the many uses in some places in India this houses will suit according to their climatic conditions so the main objective of this research is to start building shotgun houses in India.