



Impact of Fragmented Concrete Pillars on Building Roof – A Case Study

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Abstract:

It is observed that most of the building constructions are left incomplete due to many reasons and people start living in before the construction work is over. Sometimes the walls may be left incomplete, sometimes the flooring, painting, plastering may be left incomplete. But in most cases it observed that the pillars are left Fragmented on the top roof of the building without laying slab or walls. This study aims in finding the reasons for leaving the Pillars Fragmented on the roof and to analyse the consequences the people experience in their life. The study reveals that, due to leaving the pillars Fragmented on top of the roof there shows a negative impact on physical, mental, and financial wellbeing of the people in the society. For this study the author has chosen 200 buildings that include residential and commercial and have adopted descriptive research design and technique for analysis.

Keywords: Building, Fragmented, Owner, Pillars, Roof

Introduction:

Every Individual expects to have a comfortable life in their own residence. But even after having a own building for them, are they comfortably living? Do their desires are met? Do they find growth? In majority cases the answer is No. because the owner or the builder are missing some values and principles that are to be followed in construction. House is holy place for every individual. People have to take utmost care and precautions while constructing a house or commercial complex.

Majority of the people strictly follow end to end vastu plan in all the elements of the construction, but ignores minor things, which may later lead to major disaster, these are to be strictly avoided. Many of the owners or builders, due to ignorance, may be due to lack of time, or may be due to working in a sense of urgent momentum to complete the project with in the given time, or may be lack of knowledge on vastu principles or due to lack of financial resources, or may be due to lack of material availability, were leaving the pillars Fragmented on the top of the roof which ultimately put the owners or people living into different troubles during the course of time.

The study reveals that there is maximum of negative impact on building owner rather than positive impact, the negative impacts are the owner couldn't able to lay the slab or proceed with further constructions on that roof in future due to unexpected obstacles, Secondly the iron from the pillars absorb negative energy and impact owner badly, there is an increase in unnecessary expenses, and people living are often fallensick and there is also slowdown in financial growth.



Review of literature:

Majed Abuseif, Zhonghua Gou (2020), The study reviews ten roofing techniques. They are the following: concrete roofs, cool roofs, insulated roofs, roof gardens, biosolar roofs, photovoltaic panels' roofs, double-skin roofs, roof ponds, skylight roofs, and wind catchers. The primary characteristics of each roof, heat flux reductions, payback times, and the Fragmented climate for implementation are discussed in the review.

Abdelaziz Farouk Mohamed (2020) The research paper explores how construction affects the ecosystem and how Siwa oasis's traditional building methods should be preserved. As a result, it offers a suggested building method that would preserve Siwa Oasis' distinctive character while using a robust structural system and improved local resources.

Kateina Eklová in 2020, In this paper they are explain sustainability of buildings in a straightforward and thorough manner, as well as list the factors that affect it. The notion of sustainability in this article is expanded specifically for buildings using the idea of the three pillars of sustainability as a foundation.

Need For the study:

House is holy place for every individual. People have to take utmost care and precautions while constructing a house or commercial complex. Most of the authors focused on studies related to building construction, building quality, building material, building life etc, but there were no studies conducted on reasons and its impact of leaving the pillars Fragmented on the top of the building roof.

Objectives of the Study:

1. To know the reasons for leaving the pillars Fragmented on the top of the building roof.
2. To study the impact of leaving the pillars Fragmented on the top of the building roof.
3. To suggest the measures for residents to overcome the consequences.

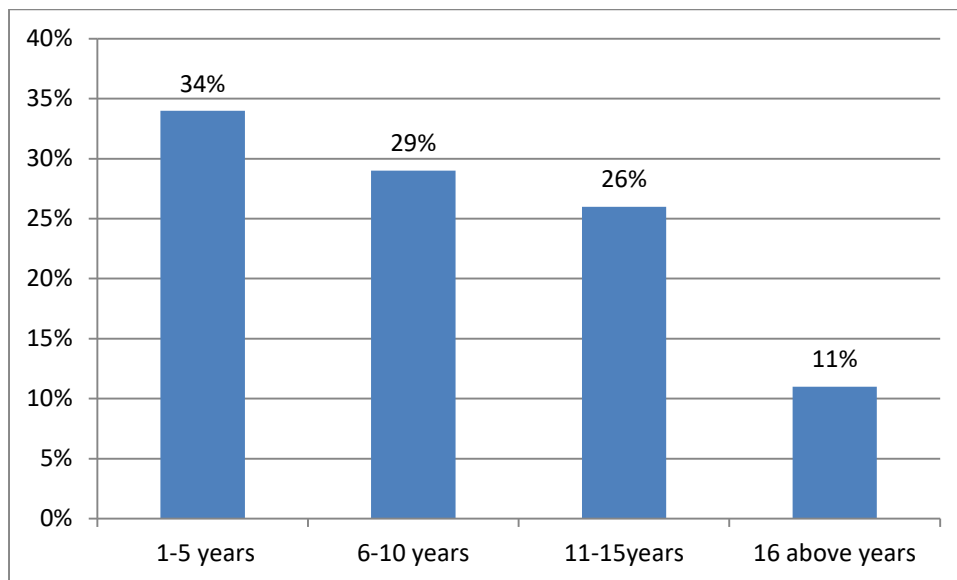
Data collection: For this article, we only used primary data, which is obtained from 200 owners who have left the pillars Fragmented on their top of the building roof, that includes both residential and commercial buildings were collected through a survey.

Table - 1

Age of the building

Parameter	No.of Respondents	% of Respondents
1-5 years	67	34%
6-10 years	58	29%
11-15years	52	26%
16 above years	23	11%
Total	200	100%

Chart-1



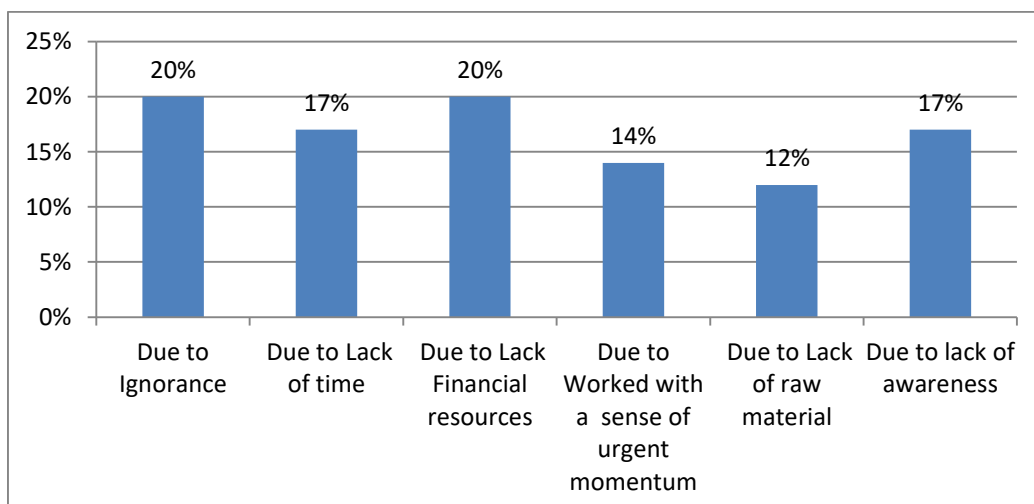
Interpretation: The above graph depicts the age of the 200 houses, Age of house in years is shown on x-axis and percentage of No of Houses is taken on y-axis, it is observed that 34% of the houses i.e 67 are of 1 to 5 years old, and 29% of the houses i.e 58 are of 6 to 10 years old, and 26% of the houses i.e. 52 are of 11-15 years old and 12% of the houses i.e. 23 are of 16 years and above.

Table - 2

Reasons for leaving the pillars Fragmented on the top of the roof

Parameter	No.of Respondents	% of Respondents
Due to Ignorance	40	20%
Due to Lack of time	34	17%
Due to Lack Financial resources	40	20%
Due to Worked with a sense of urgent momentum	28	14%
Due to Lack of raw material	24	12%
Due to lack of awareness	34	17%
Total	200	100%

Chart-2



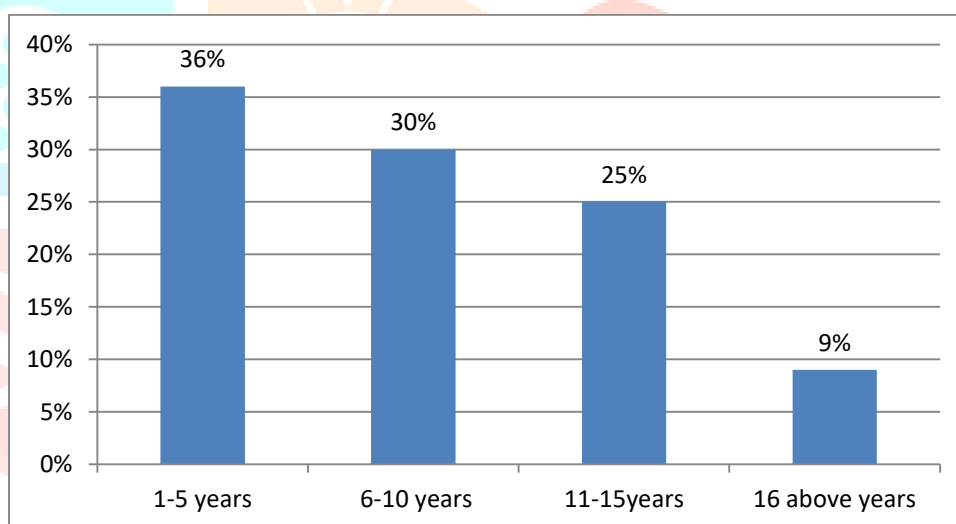
Interpretation: The above graph depicts the reasons for leaving the pillars Fragmented on the top of the roof, Reasons were taken on x-axis and percentage on y-axis, From the chart it is observed that at the least side 13% of the owners leave the concrete pillars Fragmented because of working with a notion of urgent momentum as well as due to lack of raw material. On the other side 17% of the owners leave the concrete pillars Fragmented because of lack of time and lack of awareness, but majority of the owners leave the pillars Fragmented on roof because of lack of financial resources.

Table - 3

Owner living in house:

Parameter	No.of Respondents	% of Respondents
1-5 years	72	36%
6-10 years	60	30%
11-15years	50	25%
16 above years	18	9%
Total	200	100%

Chart-3

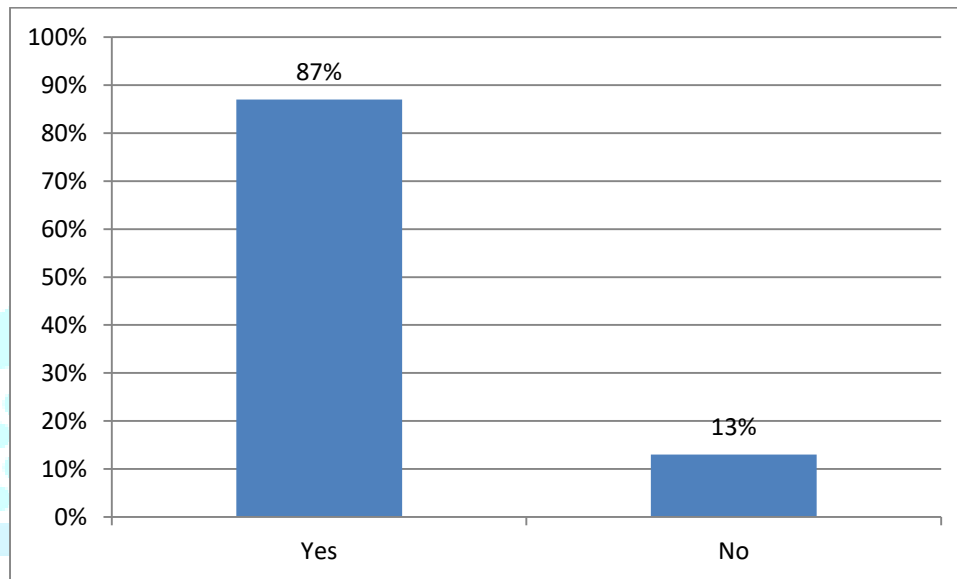


Interpretation: The above chart portray the number of years, the owners who are living nearly from 1-5 years in that particular house are 36% i.e. 72, the owners who are living nearly from 6-10 years in that particular house are 30% i.e. 60, the owners who are living nearly from 11-15 years in that particular house are 25% i.e. 50, and the owners who are living from 16 years and above in that particular house are 9% i.e. 18.

Table - 4

Experienced of any physical problems during the course of time:

Parameter	No.of Respondents	% of Respondents
Yes	174	87%
No	26	13%
Total	200	100%

Chart-4

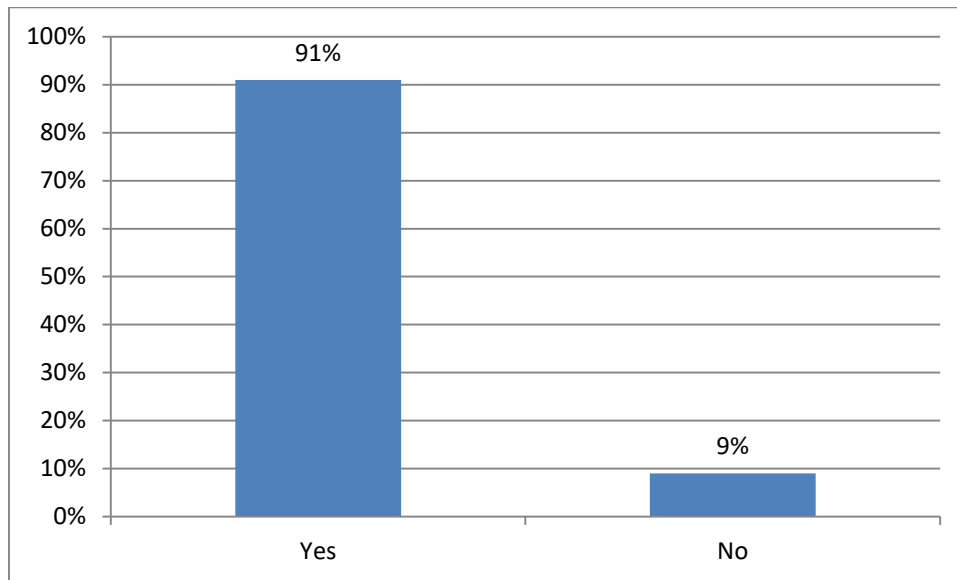
Interpretation: The above chart render that 87% i.e. 174 of the owners have experienced physical problems during the course of time and 13% i.e. 26 of the owners have not experienced any of the physical problems.

Table - 5

Experienced any psychological problems during the course of time:

Parameter	No.of Respondents	% of Respondents
Yes	182	91%
No	18	9%
Total	200	100%

Chart-5



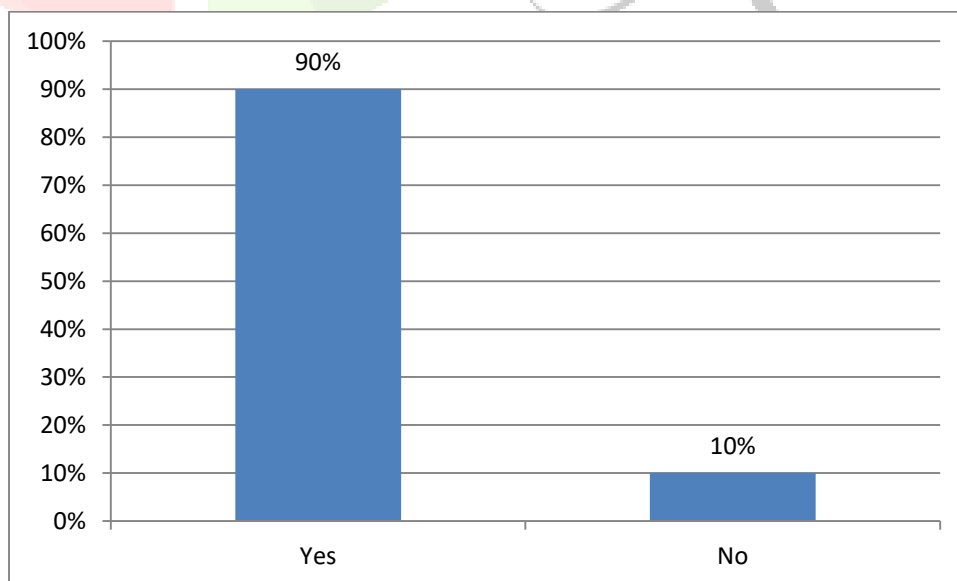
Interpretation: The above chart render that 91% i.e. 182 of the owners have experienced psychological problems during the course of time and 9% i.e. 18 of the owners have not experienced any of the Psychological problems.

Table - 6

Experienced any financial problems during the course of time

Parameter	No.of Respondents	% of Respondents
Yes	180	90%
No	20	10%
Total	200	100%

Chart-6



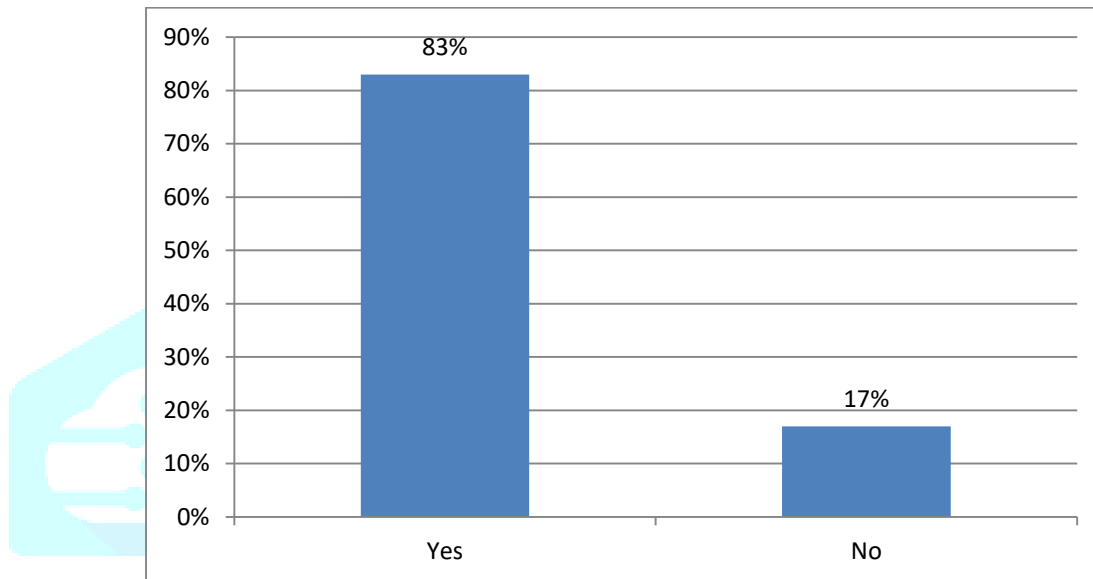
Interpretation: The above chart depicts that 90% i.e. 180 of the owners have faced financial problems during the course of time and 10% i.e. 20 of the owners have not faced any of the financial problems.

Table – 7

Belief in Astrology (Vaastu)

Parameter	No. of Respondents	% of Respondents
Yes	166	83%
No	34	17%
Total	200	100%

Chart-7



Interpretation: The above chart render that 83% i.e. 166 of the owners believe in astrology (Vaastu) and 17% i.e. 34 of the owners do not have any belief in astrology (Vaastu).

General Findings:

The following are the reasons for leaving the pillars Fragmented on the top of the roof.

- i. Due to ignorance: Many owners form the pillars on the top of the roof and discontinue laying the slab and constructing walls around, in a view of doing it in future.
- ii. Due to Lack of Time: People because of their busy schedules and time constraint could not able to invest time on construction process and they were left behind.
- iii. Constructing with a sense of Urgent Momentum: Owners and builders engaged with other parallel projects and works are likely work with a sense of urgent momentum to complete the project or building with in the stipulated time, this may sometimes lead to leaving the pillars on the top of the roof Fragmented.
- iv. Lack of awareness: Due to lack of awareness on principles of vaastu and the consequences of leaving the pillars Fragmented on the top of the roof, many owners and builders at sometimes leave pillars Fragmented.
- v. Due to lack of financial resources: Financing is the main source to bring your ideas in to reality. Due to non-availability of funds, sometime owners and builders leave the structure Fragmented or discontinue the construction process or at times lay the pillars on the top of the roof with a perception to complete the rest of the construction in the future.

- vi. Lack of Material Availability: Lack of material availability to construct further, also stands as one of the reason for leaving the pillars Fragmented on the top of the roof.

The Following are the consequences experienced by majority of the residents:

The First and Foremost problem is, the owner or the builder couldn't able to continue the construction process on the said roof due to one or the other obstacles.

Secondly the uncovered iron rods of the pillars absorb negative energy and lead to negative effect on wellbeing of the residents.

The consequences are not limited to but also shows its impact on other problems like:

- 1) Physical Problems
 - a) Work Pressure
 - b) Frequent Health Issues
 - c) Legal disputes
 - d) Disturbances in family
- 2) Psychological Problems
 - a) Stress
 - b) Emotional Imbalance
- 3) Financial Problem
 - a) Increase in debts
 - b) Economic slowdown
 - c) Increase and unexpected expenses

Findings:

- 1) It is found that in 200 houses for the survey taken 34% of the houses i.e 67 are of 1 to 5 years old, and 29% of the houses i.e 58 are of 6 to 10 years old, and 26% of the houses i.e. 52 are of 11-15 years old and 12% of the houses i.e. 23 are of 16 years and above.
- 2) It is observed that at the least side 13% of the owners leave the concrete pillars Fragmented because of working with a notion of urgent momentum as well as due to lack of raw material. On the other side 17% of the owners leave the concrete pillars Fragmented because of lack of time and lack of awareness, but majority of the owners leave the pillars Fragmented on roof because of lack of financial resources.
- 3) It is noticed that, the majority of the owners who are living nearly from 1-5 years in that particular house are 36% i.e. 72
- 4) It is understood that 87% of the owners i.e. 174 have experienced physical problems during the course of time.
- 5) It is found that 91% of the owners i.e. 182 have faced psychological problems during the course of time.
- 6) It is observed that 90% of the owners i.e. 180 of them have experienced financial problems during the course of time.
- 7) It is noticed that 83% of the owners i.e. 166 of them believe in astrology (Vaastu) and 17% i.e. 34 of the owners do not have any belief in astrology (Vaastu).

Conclusion:

Now a days owner are leaving the pillars on the top of the roof fragmented. This study aims to find the reasons of fragmented pillars on top of the building roof and Its impact on the residents in that houses. From the findings it is observed that due to leaving the pillars fragmented on the top of the roof many of the owners couldn't able to go for further construction due to some unforeseen obstacles besides having encountered with physical, psychological and financial problems during the course of time.

To avoid the negative impact on the owners livelihood, It is advised to the public from not to leave the pillars fragmented on the top of the building roof.

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