

Application and Effect of the Bylaws in Building Construction: A Case Report

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Abstract

Introduction : Building bye laws are the construction norms set by the government authorities to ensure uniform development and protect buildings against internal and external hazards.

Case Presentation : Collection of Sample from technical and non technical person related to the building Construction was done .The total number of sample size was 60. The questionnaire was distributed to 15 engineer, 15 sub engineer and 15 contractors and 15 house owners.

Conclusion : My case decorate an fascinating presentation of Application & Effect of bylaws in building construction in Tulsipur sub metropolitan city . The overall redemption can be carried out to curb the stated problem. The main risk factor was poor supervision of Building Implementation Department . The return rate of the questionnaires was 100%.

Keywords : Technical Department of Building Construction ; Tulsipur Sub metropolitan city ,

Data Analysis from field survey from Contractor & Client too .

Introduction

The application of engineering ethics provides a consensus on the morality of engineering decisions and defines guidelines for moral conduct by all engineering professionals. Such guidelines are partially based on ethical codes developed by engineering societies, most notably the National Society of Professional Engineers, so as to maintain the aura of professionalism throughout the engineering discipline

The case was reported on Tulsipur Sub metropolitan City

Data collection is carried out by performing primary and secondary data collection .The pilot study of the primary source of data was collected from the standard structured questionnaire. Most of the findings are generated based on the primary source of data. Structured relevant questionnaire were prepared to collect primary data. The questions therefore were developed in such a way that targeted respondents would be able to answer them. Whereas secondary data were collected from various government, non government and private organizations, research

Case Presentation

The case was Presentation on Application & Effect of the Bylaws in Building Construction in the Tulsipur Sub Metropolitan city ,Dang ,Nepal. For this, research questionnaire were developed and distributed to concern respondents. Questionnaires developed such that it fulfills the aim of the study. Three set of questionnaire developed for respondents like Engineers, Sub engineers, Contractors and House owners and collected completely filling it. The return rate was 100%. The questionnaire survey was coded and entered into system. The data was analyzed through the Microsoft excel and finding was presented in different tables by using descriptive statistical tools such as frequency and percentage

The pilot study of primary source of data was carried on the following topics and data was presented

Knowledge about building code and building laws , Knowledge about legal norms of Sub Metropolitan , Knowledge about rules and regulation of national building code, Knowledge about rules and regulation of national building code, Knowledge about process of submission of engineering drawing in Sub Metropolitan office, Hired any consultant during construction and planning phase, Knowledge of Purchasing Land by Knowing Code of Conduct of Roads, Feeling easy about the process of supervision and approval of maps in Sub Metropolitan , Safety media about building construction, Knowledge about agency/ person/ post is more responsible for bylaws in building construction, Contractors make coordination between designer's and owners about engineering drawing, Contractors make coordination between designer's and owners about engineering drawing, Finish building construction work within time period, Constructed building as per approved sub metropolitan drawing, Storey's of building that have been constructed, Open space area in land, Outlet and

drainage system in home, Septic tank and soak pit in home, Open space area in land, Garage for vehicle in home, Land for gardening in constructed building site, Followed set back and right of way in land, Approval of building map from sub metropolitan office, Land separation by amin or surveyor or engineer before construction, Conflict during construction, Encroachment by building of public land, road, canal, drain, Suggested by engineer/ sub engineer to construct building after submission of building map in Sub Metropolitan office, Feeling of delay to proceed approve engineering drawings from Sub Metropolitan office, Feeling of delay to proceed approve engineering drawings from Sub Metropolitan office, Feeling of difference while mapping will be drawn within member of Sub Metropolitan technical manpower or out of sub metropolitan engineers/ consultants, Difficult to approve building drawing with paying any extra informal payment to process from sub metropolitan employees.

Here in, we report a case of Application & Effect of bylaws in building construction in Tulsipur sub metropolitan city was successfully carried and also person involved during survey was convenience to study and follow the norms of the Building code while constructing Building .

Discussion

The building code was somewhere followed and somewhere not . The building constructed without following building code was observed to be risk .It was too dangerous on earthquake .

Firstly, Contractor and client was advice to follow the building code and several important criteria for prevention of future damage of building and too human also.

Conclusion

The overall redemption can be carried out to curb the stated problem. In building construction the engineers, sub engineers, contractors as well as house owners also should follow the bylaws because it protects both clients and professionals, motivate and inspire practitioners, improve the ethical beliefs and behavior, minimize the chances of unethical or illegal act as well as improve the quality. The government plays the greater role to minimize unethical conduct in the construction industry by making the unethical act in criminal activity, training and programme on professional ethics, Law; regulation and enforcement by the government, Provide good system in construction process, Code of ethics in organization.

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