

A study of health and drainage water issues with respect to various economic and population sectors in Lucknow

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Abstract:- Water borne diseases are caused due to lack of improper surface and subsurface drainage facility to remove excess of water in a timely manner due to mismanagement which causes various types of water diseases. The problem of drainage system is further worsened in lower economic strata of the population of Lucknow. The population of Lucknow belonging to higher strata of economic population also has less population which is responsible for better drainage facility in the city of Lucknow. This paper will highlight the problems and the remedial measures that can be taken to solve the problem of drainage so that the issues of water borne diseases can be solved. The study is based on random sampling of households in Lucknow, the method taken for presentation of data used in this study is principal component analysis and then remedial measures are highlighted. Appropriate use of drainage water develop the environment and sustainable measures keep away the diseases.

Keywords : diseases, environment, drainage, waterlogging.

Introduction

Health and drainage water management are interrelated issues. Due to increase in urbanization and overpopulation water resources in Lucknow city are exploited day-to-day. Lakes, Ponds and other natural drainage systems have been encroached and the natural resources of water have been depleted. Appropriate use of water, strict control can help the environment in sustainable and optimum use of water resources. This paper aims to highlight problems, impact and remedies related to Sustainable use of drainage water and adequate steps that can be taken for the same.

In Lucknow city there is a close relation between presence of waterlogging due to lack of proper drainage. Water borne diseases are mainly caused due to virus, bacteria, protozoa by water transmitting agents known as vector. Vector is an animal that transmits an infection from one person to another (Cairncross and Feachem 1983). The main reasons for transmission of such diseases depends upon the vector, environment and socio economic conditions. Although a