

EFFECTIVE EVACUATION MANAGEMENT AND MITIGATION PLAN FOR EARTHQUAKE: A CASE STUDY ON LALBAGH AREA OF DHAKA CITY

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ABSTRACT

Bangladesh is one of the most earthquake prone countries in the world. Earthquake has both direct and indirect negative impacts on human life and socio-economic development of a country. The record of approximately 150 years shows that Bangladesh and the surrounding regions experienced seven major earthquakes ($M_b = 7$). The study area (Lalbagh) is considered as one of the most highly earthquake vulnerable parts of Dhaka city. The research findings will help to explore the potential evacuation route and physical planning activities, mitigation plan for the dwellers of the study area and involvement of community, find out the potential places with critical facilities like health services, search and rescue operations, create awareness among community people to contribute for preparation and use of the map, create a new window for the policy makers of our country and to ensure effective earthquake management and sustainable physical development.

KEYWORDS: Disaster, Earthquake, Emergency, Evacuation Route & Mitigation

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