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Embassy Site Analysis of Chennai and Kolkata, India

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Grayson Nardone and Rebecca Boyd

Spring 2022 Symposium Abstract

This study is to analyze new site locations for United States embassies in the cities of Chennai and Kolkata (Calcutta), India for the United States Department of State. By using GIS software and open-source data, we will determine proximity of point-of-interest (POI) locations to determine ideal site locations. Determination of site location will involve analysis of vulnerability of natural hazards, socio-economic areas, locational strengths, locational weaknesses, opportunities, and threats towards ideal parcels and sites. After compiling primary source data and secondary, open-source data, we will conduct spatial analysis to calculate site locations that fall into ideal locations. With the use of GIS software, we can analyze areas around potential sites that could be beneficial or detrimental to the United States' foreign affairs. Areas of ideal location will be identified by qualifying under specific spatial conditions. Location data will be analyzed to determine which location will best serve the interest of the United States Department of State.