

Geographical Assessment of Settlement Area Expansion of Hlegu Town, Hlegu Township, Yangon Region

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Abstract

This paper is an attempt to study the development and extension of Hlegu Town, Hlegu Township in Yangon Region. Since 1954 when Hlegu was classified as a town, its population increased steadily. Hlegu Town has been in existence as the permanent settlements since the colonial period. After the independence, farmers from neighbouring villages largely moved into Hlegu Town due to local instability and insecurity. Consequently, the area increased to five wards. Because of increased population the extended settlements emerged in four out of five urban wards. These five wards were recognized by the Ministry of Home Affairs in 1954. Due to the continuous growth of population the settlements of Hlegu Town had been expanding throughout the time. According to the Town extension project the new settlement plots were extended to the surrounding paddy fields after 1988. Nowadays, the settlement pattern of Hlegu Town have been spatially changed with based on temporal variations change. Therefore, this research tries to analyze the settlement area expansion of Hlegu Town by using GIS techniques with temporal changes. The geographical data are obtained from Satellite image, Aerial Photo and field observation. The information about geographical features, measured value, numerical data, observed values and facts should collect in the field. The analysis was conducted in four period in, 1982, 2002, 2010 and 2022. It is hoped that this paper will contribute to better understanding of urban planning in Myanmar.

Key words: Urban expansion, spatial change, temporal variations change, Urban planning

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