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A study on Urban Problem : Water Logging in Patna

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Abstract : *Water logging is becoming a severe problem in Patna with the increase of towering buildings which made the land limited and disrupted. The sewerage and drainage system of Patna is disrupting day by day due to unscientific land use system in the city. Mainly in the central region of the city, the decrease in amount of open surfaces, which has created submergence, due to ongoing high rises of population, creates hazards. So, this area suffers badly from water logging after even a small downpour. Not only in the central region of the city but in different areas of Patna, water logging is a persistent problem. This creates a hazardous situation, mainly in the urban areas. Through this research work, researchers are trying to identify the location extent of the city, its areas*

affected by water logging, and to find out the main causes and results that have led it to be hazardous. It analyses and charts the main water-logged zones, situation of canals and channels which are helping to pass out storm water flow from different parts of the city. At the same time, we are analyzing the water logged areas with their varying depths, roads which are affected, the traffic situation and the number of people affected by this water logging. We are also analyzing the government's plan to counter the problem of water logging such as setting up new pump stations, development of sewage system etc. Which help the people to get rid of the devastating situation hampering the socioeconomic situation of the city.

Key words: *Water logging, Drainage, Hazardous.*

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Introduction :

Patna is the capital town of the Indian state of Bihar. At present, Bihar is rising to emerge as a powerful state in all terms and respects. The Bihar government is dedicating a large portion of its time trying to seek suggestions from the citizens on how to make Patna a 'SMART CITY'. The waterlogging in the state capital could have offered the officials some clues into the immediate need of the people, before embarking on fantasy. It is more than likely to stay in the dusty government files than become a reality. Waterlogging includes with it many other problems like:- Health concerns, hidden man holes, hygiene concerns etc. The entire city, even the VIP areas, plunges into rain water after a heavy shower. In many areas, water enters homes, as residents struggled to move their belongings to higher plains. Public, government, Patna Municipal