## STORMWATER DRAINAGE SYSTEM OF AN INDIAN TOWN: WHETHER SUSTAINABLE?

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In the last few decades, the world has witnessed rapid urbanization. One of the many complex problems which have come up with increased urbanization is that of rapid drainage of storm water from the inhabited areas. This paper presents sustainability evaluation of storm water drainage system of an Indian urban town and interpretation of the findings in order to explore solution. To determine and monitor the implementation of sustainable storm water paradigm, the sub-committee for development of "National (Indian) sustainable habitat parameters on urban storm water management" has developed the key parameters and indicators which are: Natural drainage system index, Drainage coverage (constructed) index, Permeability index, Water bodies rejuvenation index, water body vulnerability index, Water logging index, Area vulnerability index, Storm water discharge quality index and Rainfall intensity index etc. The sustainability indices for the storm water have been computed within the limit on 0 to 1 scale. Interpretation of the computed indices has thrown light on the current status of the system and the desired developments.

Keywords: Storm water, Drainage system, SuDS, Indicators