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Guided By

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Project Title

MODELING AND ANALYSIS OF STORM WATER REDUCTION, DURING HEAVY RAINFALL BY CONSTRUCTING AND DEVELOPING DRAINAGE NETWORK WITH WORKING MODEL

Abstract:

Efficient Storm water network is the main tool to prevent the water gatheration and scattering of a city. Selecting the Bharkawada as study area and its problem was identified to be of very less effective drainage system. In this study methods have been adopted to identify the possibilities of completing the research for designing the storm water drainage design. Our main aim is to design a very efficient and rapid drainage system which should drain the water very fastly with less concentration time and less spreading of water with less provision of slope. The present design is based on rainfall data. Past 35 years rainfall data has been taken for study. The system has been designed considering in total of 65% of the impervious area. Different methods have been used for runoff estimation. Here, rational method has been used for estimation of storm water runoff. The outfalls of system are directed to proposed lakes. Ere at this stage rainfall calculations are done and in future work complete rainfall and runoff analysis will be carried out. Design and design aspects will be deal in future work.

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