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DESIGN OF WATER SUPPLY NETWORK IN SANJEEVAPURAM VILLAGE IN GOPALAPURAM MANDAL IN WEST GODAVARI DISTRICT OF ANDHRA PRADESH STATE USING EPANET 2.0

SANDHYA KIRAN J.K¹, CHALLA. DATTA KARTHIK², CH.SAI PRASAD³,
K.NIHARIKA³, K. SHARATH KUMAR³, D. HARSHA VARDHAN³

¹M.E(Water Resource Engineering),Asst. Professor, St. Martin’s Engineering College,Hyderabad, India, 500043.

²Btech, St. Martin’s Engineering College, Hyderabad, India, 500043.

³Btech student, St. Martin’s Engineering College, Hyderabad, India, 500043.

ABSTRACT:

Drinking water is the main resources for the humans to survive.It is mandatory to supply water to the household using better water supply network .Many villages in the Andhra Pradesh does not consist of proper water supply network. Therefore, government of Andhra Pradesh decided to lay drinking water supply network to the villages.to overcome problems in designing the network and for the perfection of the network EPANET2.0 software is used This projects aims to design the water supply network economically using surveying data and population data of the village.Population data is used to find the water demand of the village at the end of design period . By using this data better water supply network is designed using EPANET2.0 software.Estimation of head loss is done by Hazen-William’s Equation This research has been intensively worked to reach the c needs and also has been developed to intend to put forth to Government of Andhra Pradesh, to solve the catastrophic situation of the people there.

Key Words: EPANET2.0, Hazen-William’s Equation, Headloss, Population and Survey data, Water Supply Network