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## Riverfront Development of Gomati River in Sultanpur City

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**Abstract:** Sultanpur is well known for its unique culture and is also known as Kushbhawanpur. Goddess Durga at the beginning of navratra and leaves on Vijyadashmi but in Sultanpur district, Durga enjoy an extended stay it is the most well recognized festivals of Sultanpur. The city is located about 130 KM from the state capital, this town turns into a 'Mini Kolkata' during the festive season with hundreds of Durga idols converge in a vast temple complex. River area is a heart of Sultanpur, and is a headquarters of the Sultanpur district, north side of this district is bounded by Faizabad District, south side is bounded by Pratapgarh District, Westside is bounded by Barabanki district & Raibareli District, and the east side bounded by Azamgarh District, Ambedkarnagar District, and Jaunpur District. Gomati River is which drains almost the whole city and district. Sultanpur has a dry climate with 20 to 28 degree Celsius. This is wonderful Zone of riverfront. This city is not polluted and is very clean. Sultanpur is ecological and full of natural resources.

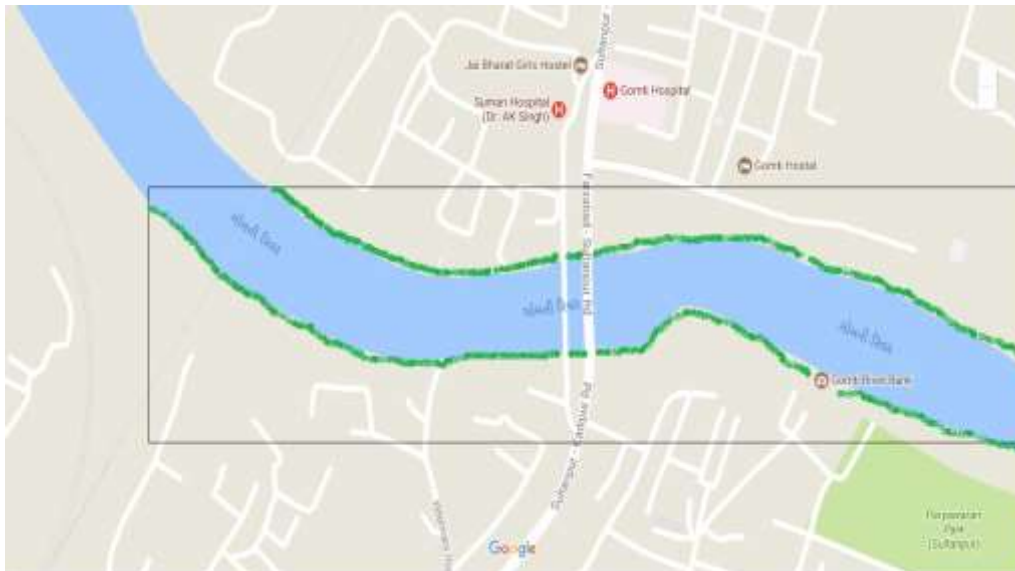
**Keyword:** Gomati Riverfront, Ecological System, Historical Places, Tourism Places, Educational Society.

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### I. INTRODUCTION

Sultanpur is a populated area and big city at near about Gomati River and located at Sitakud. Sitakund is related to Goddess Sita and Lord Ram. It's a tourist place by being located near to Ayodhya. The original town is situated on the left bank of the Gomati. It is said to be founded by Kusha, son of Rama, that's how the city got its name Kushapur or Kushbhawanpur. On the bank of Gomati is Sitakund, where Sita took bath while accompanying her husband (Lord Rama) on his exile. There are three bridges located near the river. First one is Truss Bridge which is an old structure and is used by only local people. Second is a simple bridge, it is attached to Faizabad and Allahabad to Raibarelli and Lucknow, and the third one used in railway Track Bridge and attaches Sultanpur to Faizabad, these bridges are used in lighting for Riverfront.

The urban society of development. Waterfront development of lake, ocean, bay, canal, etc. this is a good proposal for Sultanpur city and development of nature and climate of the city. Matalled road connected it Faizabad, Shahganj (District Jaunpur), Jaunpur,



## II. OBJECTIVE

THE FOLLOWING TYPE OF OBJECTIVE GIVEN BELOW

- Wonderful design of Sitakund (River Bank).
- Beautiful maintenance of Prayawarad Park, Ghats.
- Design of smart High-tech city concept.
- Colourful lighting of bridges.
- All work is ecological process for river Sultanpur.

## III. OBJECTIVE AND GOALS

- This plan includes the development of the city and good source of income for tourism. The urban society will change into the hi-tech city.
- These are for growth and development of nature and people of the city.
- This is better for the ecological system and will reduce stress in people living in the city.
- Handmade object is sold by people.

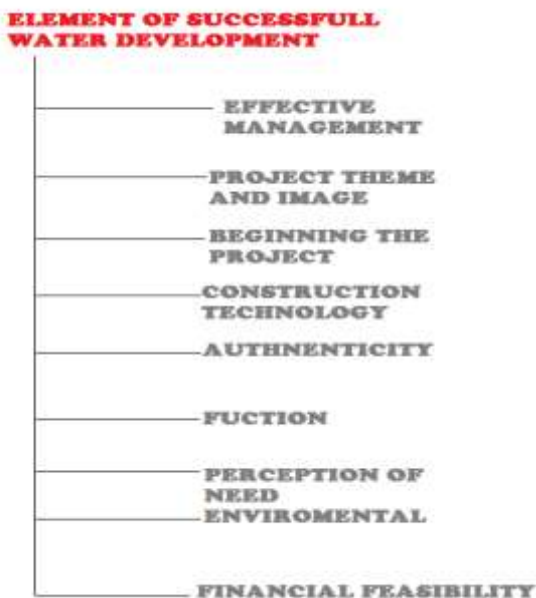


Fig: Element of Development Waterfront Area.

#### **IV. ISSUE RELATED TO GOMATI RIVERFRONT IN SULTANPUR DEVELOPMENT**

##### **THE ISSUE RELATED TO RIVERFRONT GIVEN BELOW**

The Gomati River is attached with drains, Ghats, Park, Riverbank (Sitakund), etc. This is a fact and cannot be denied that it better changes that make the city a better tourism place. Sultanpur is connected to a surrounding eight cities. There are five primary drains in the city, two are one side and there are other sides, and these are known as Hatiya Nala, Ganda Nala etc. This drainage works on the discharge of water in all residential area such as domestic sewage wastewater and rainwater are followed in Gomati River. This time there is no plan waterfront development in Gomati River at Sultanpur. The wastewater is a major problem created by the River. This is harmful to human being and for water animals as well.

#### **V. METHODOLOGY**

“Aim of this project Gomati River is to change in riverfront in the unique platform and to provide enjoyment facility in the city, people and tourism with instructing and entertainment place of development. The river water must, therefore, be properly analyzed and well treated before supplying to the public. The quality of water obtained from the river is generally not reliable, as it contains a large amount of silt and a lot of suspended matter. The disposal of untreated waste and sewage into the river is further liable to contaminate their waters. Sultanpur mainly depends on the sugarcane and another type of agriculture at the main source of income. Drinking water is also sourced from this canal. This project is important to improve quality of life and bring easy change in lifestyle of urban areas people. Economy increased with the growth of a number of jobs in riverfront. Integrating the natural landscape, create a visually dominant landmark. An industrial like a BHAL, HAL, MAMTA STEEL FACTORY, etc. area and Educational society enjoy this place as very beneficial for them. Such rivers are generally fed by rains during the rainy season and by snow water during the summer season. Perennial rivers can be used a source of public supply directly.

- Reconnaissance Survey
  - (a.) Preliminary Investigation.
  - (b.) Finalization of the study area.
- Analysis and Measurement of educational/study area.
- Collect Drawing and River map from various sources.

#### **VI. INVESTIGATION**

##### **THE GOMATI RIVER**

- This river is the chief drainage line of the district and is, in fact, the only stream of any importance.
- In Paragna Jagdishpur is winds along the whole of the northern boundary.
- The river in these two Paragna passes by Chandler and Sultanpur.
- Gomati River is a heart of Sultanpur.

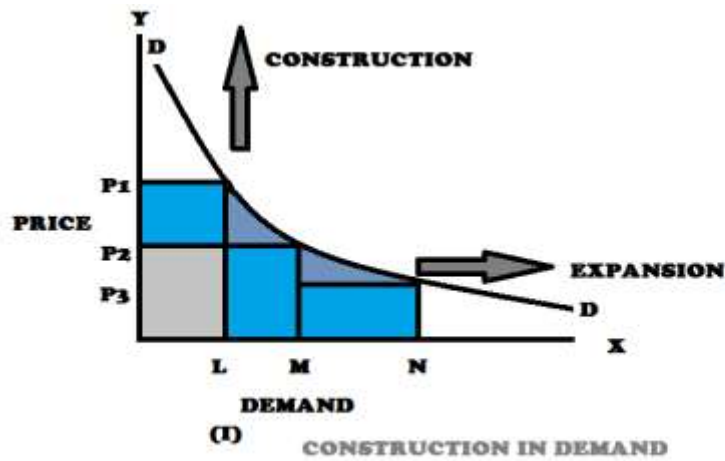
##### **GOMATI RIVER AND SULTANPUR**

- It is a residential area.
- It is a commercial and industrial area.
- It is a well-known place for tourism because here in this river Sita and Lord Rama took bath so it a sacred place for Hindus.
- It is near about 30 KM in HAL Korwa.
- It is a few distance presented at Jagdishpur in BHEL (Indian Navratna Agency).
- It is a place where people also wash clothes at times.
- They are attaching to the city.

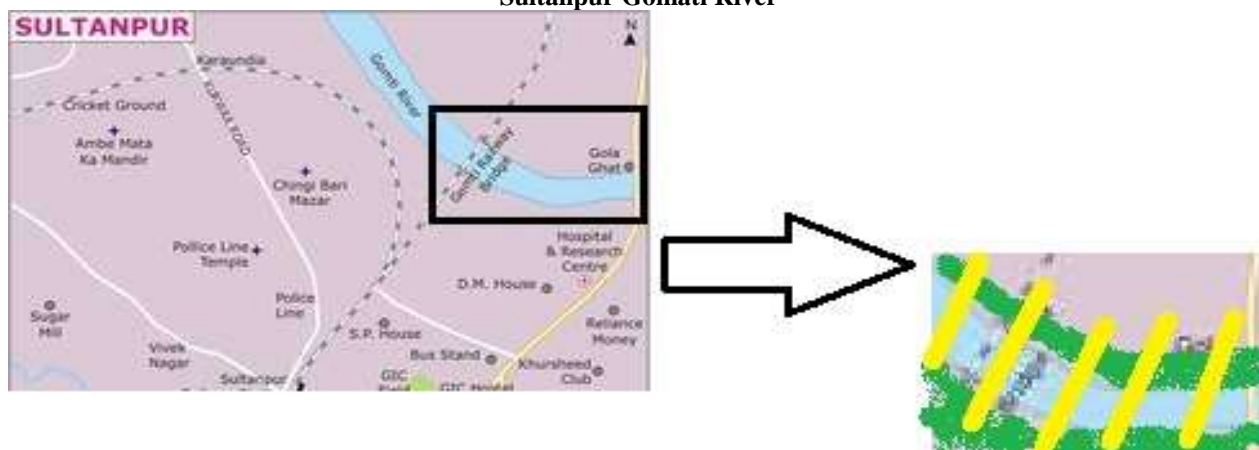
Figures, Graphs and Tables



Railways track in Gomati River



Sultanpur Gomati River



Proposal area of Gomati River

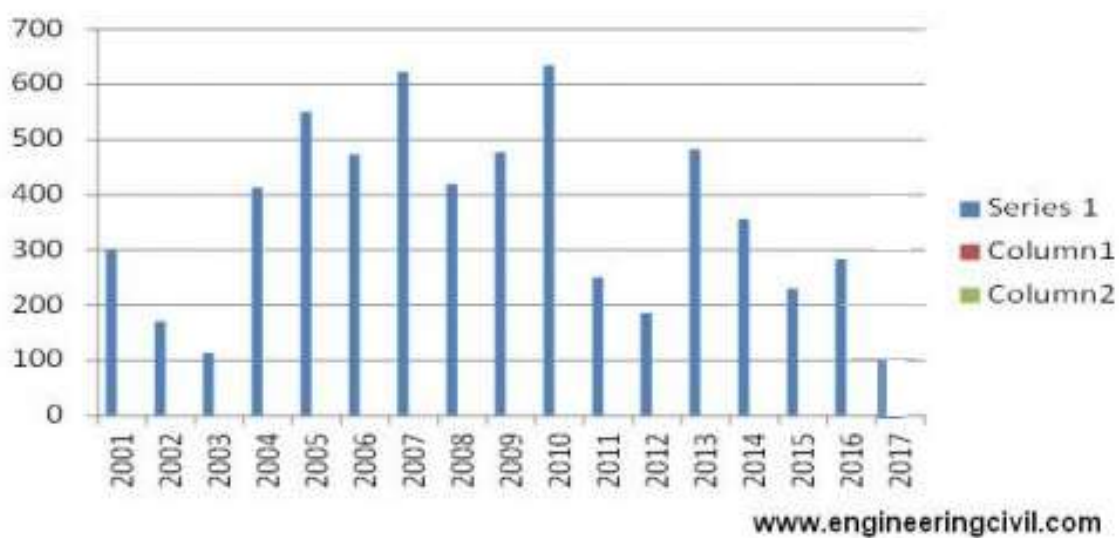


Fig. The year wise Rainfall.



Truss bridge and simple bridge at Gomati River.



### **CONCLUSION**

- Gomati River is nature's valuable gift to Sultanpur city, the planning proposal offers a peaceful nature to the city based throughout riverfront provide city based waterfront (features/ qualities/ traits) to the Sultanpur centre of city because of this, population would be reduced and the other payment by greenery would be boosted also the river pathways .
- Turn the river into a major help for the improvement of city-based and quality of life through a planning proposal makes a Sultanpur full of life, this beautiful river is an honour for the city and praised city.
- Change the river into major asses for the city by creating an attractive location for cultural and commercial river bank and to improve the quality of the earth.

### **REFERENCES**

- S.P.Jadhav<sup>1</sup>, S.L.Ghorpade<sup>2</sup>, K.H.Bankar<sup>3</sup>, A.S.Adkar<sup>4</sup>, S.S.Kharade<sup>5</sup>, <sup>1</sup>Prof.Bansode S.S, <sup>2</sup>Prof.Sawant P.A. Department of Civil Engineering, S. B. Patil College of Engineering, Vangali, Indapur Research of “ Riverfront Development of Karha river at Baramati city.
- Book of Water Supply Engineering “Environmental Engineering volume (II) Writer S.K. Garge. “ River Surface Sources of water”.
- Md. Kamrul Islam<sup>1</sup>, Sudipta Chowdhury<sup>2</sup>, “Karanophuli River Front Development” Chittagong Bangladesh eISSN: 2320-0847 P- ISSN: 2320-0936, Volume – 03 Issue- 11 PP-460-54.
- Rana P.B. Singh 2007 “The Ganga river Front in Varanasi a history zone in contestation” Jodhpur (sss a group of people or other leaving things) Varanasi up 2210005.