



## Development of Infrastructural Facilities and their Impact on Urban Environment of Patna

• Monali • Nancy • Prerna Bharti  
• Debjani Sarkar (Ghose)

Received : November 2012  
Accepted : March 2013  
Corresponding Author : Debjani Sarkar (Ghose)

**Abstract** : 'Infrastructure' is an essential element in the process of urbanization as it satisfies the basic needs of the city dwellers. The recent spurt of infrastructural development is no doubt changing the landscape of Patna and heading towards making Patna known as a modern city. Construction of large number of over bridges, roads, new sewerage lines, malls, railway station etc. are changing the horizon of Patna. All this development, is changing the life style of the city dwellers. But the process of change is concurrent with the pain associated with it. The cutting of large number of trees, uses

and misuse of natural resources, pollution, and sedimentation of river Ganga etc. are degrading the environment of Patna. Construction of large number of concrete roads and buildings with depleting forest resources are generating the effect of "Heat Island" thus, the residents are experiencing a change in the seasonal rhythm of the city with exorbitant hot summer, freezing winter and either deficit or excessive rain flooding the city. Further, poor maintenance of infrastructure leads to contamination of water and soil resources which results in health hazard. Thus infrastructural facilities which are inevitable in a modern city are altering the city environment. In the backdrop of the above mentioned scenario, an attempt has been made to study the impact of infrastructural facilities in the present study in Patna MC. The study is mostly based on primary survey. Questionnaire, informal interviews and data collected from concerned public departments were analysed. At the end, government and private initiatives towards the problems were examined and few suggestions have been made to increase the positive impacts and reduce the negative ones of this development

### Monali

B.A. III year, Geography (Hons.), Session: 2010-2013,  
Patna Women's College, Patna University, Patna,  
Bihar, India

### Nancy

B.A. III year, Geography (Hons.), Session: 2010-2013,  
Patna Women's College, Patna University, Patna,  
Bihar, India

### Prerna Bharti

B.A. III year, Geography (Hons.), Session: 2010-2013,  
Patna Women's College, Patna University, Patna,  
Bihar, India

### Debjani Sarkar (Ghose)

Assistant Professor, Department of Geography,  
Patna Women's College, Bailey Road,  
Patna – 800 001, Bihar, India  
E-mail : [debjani2pat@rediffmail.com](mailto:debjani2pat@rediffmail.com)

**Key Word:** Infrastructure, Environment, Urban Heat Island.