JCRT.ORG

ISSN: 2320-2882



INTERNATIONAL JOURNAL OF CREATIVE **RESEARCH THOUGHTS (IJCRT)**

An International Open Access, Peer-reviewed, Refereed Journal

Impact Of Settlement Pattern On Socio-Cultural Aspect In Gangetic Plain

Dr. Jagmohan Bhatnagar

Swami Purnanand Degree College of Technical Education, Muni Ki Reti, Uttarakhand

Abstract: In this study, the Gangetic Plain's habitation pattern and its impact on socio-cultural aspects are reviewed. Human interactions with technology, the environment, and sociopolitical institutions are reflected in the Gangetic Plain's settlement patterns and cultural adaptations. Numerous cultural sequences throughout the history of human civilizations have been uncovered by archaeological investigations in the Gangetic plain. Excavations over the past few decades have shown the existence of Painted Grey Ware and Northern Black Painted Ware cultures in the Upper Ganga Valley, as well as prehistoric culture. The interaction of various civilizations, sociocultural customs, and technological developments is reflected in the pottery produced in this area. There is evidence of a robust ceramic culture that is profoundly ingrained particularly in the Upper Ganga Plain's ancient history.

INTRODUCTION

The Gangetic Plain (or Indo-Gangetic Plain) is a vast and fertile region in northern India, southern Nepal, and parts of Bangladesh, formed by the alluvial deposits of the Ganges, Yamuna, and their tributaries. This region has historically been a cradle of civilization due to its rich soil, abundant water supply, and favorable climate, supporting diverse settlement patterns. Gangetic Plain is Ideal for agriculture, particularly for crops like rice, wheat, sugarcane, and pulses (Sontakke, 2023). The obvious traces that people have made on the physical landscape through cultural occupancy since the dawn of civilization are mostly the result of colonization. Periodic floods influence the type and location of settlements (e.g., elevated settlements in flood-prone areas). The way a settlement has formed and expanded in an area is determined by the interplay of the local ecological conditions, the cultural and social values of the people, technology, management systems, and the settling behavior over time.

The word "settlement" refers to a structured human community that can be anything from a simple farmland to an intricate metropolis, from a temporary camp of hunters or miners to more sedentary residences for city dwellers and farmers (Ahlawat, 2017). Lanes, roads, parks, houses of worship, and recreational spaces are all part of a settlement, along with the many kinds of buildings that serve various functions. In the early stages, settlement features are strongly tied to the environment and have simple forms. However, as civilization and knowledge expand, so does the degree of variation in their size and form (Jha, 2014).

An important effect on India's history and archaeology is the Indo-Gangetic plain. There are three main sections of the entire Ganga Plain: the Upper Ganga Plain, Middle Ganga Plain, and Lower Ganga Plain. Except for the northern Himalayan foothills, the whole Ganga basin is a plain. The Indo-Gangetic plain, which is mostly flat and featureless and is made up of Pleistocene and recent alluvial deposits from the Ganga and its tributaries, is what it is in terms of physiography. Recent human activities, changes in river courses, and river erosion have all had a substantial impact on the research region.

Any group of residences, no matter how big or little, that are inhabited by people is called a human settlement. In other words, the process of settling involves the distribution of land as the foundation for resources and the grouping of people. A "settlement pattern" is only the spatial distribution or layout of settlements within a certain area (Gangal et al., 2010). The diversity of prehistoric sites in the Upper Ganga Valley shows that humans lived there during the Neolithic and Chalcolithic periods. Even though there are traces of Harrapa and Harappan culture in the Upper Ganga Valley, they only lived in the regions of Meerut and Saharanpur.

The Gangetic Plain is a microcosm of India's broader cultural evolution, ranging from prehistoric adaptations to the early historic establishment of advanced communities and urban centers (Kosambi, 1965). Ancient habitation patterns, historical population studies, migration, trade, exchange, and resource areas are just a few of the many subjects that fall under the umbrella of settlement pattern studies in archaeology.

The Gangetic Plain created the foundation for agriculture in India by the first agricultural communities. It is home to the Upper Gangetic Plain (UGP), a huge expanse of sedimentary soil, and perennial rivers such as the Ganga (Ganges), Yamuna, Ghagra, Gomati, Gandak, and other tributaries. Additionally, it is considered the mother of a large portion of the agriculture that is practiced in other parts of the country. The Gangetic landscape's rich soil and hospitable atmosphere of river valleys and plains have attracted the bulk of human occupants over the millennia because these factors are essential to agricultural output as well as the growth and development of agriculture and civilization.

The Upper Gangetic Plain, which is the western part of the broader Gangetic Plains, has been a major site for the formation and growth of agriculture in India since the Neolithic era (Fuller, 2008). The region's exceptional temperature and landscape have attracted the local populace to domesticating plants and animals. Consequently, pastoral nomadic existence gave rise to sedentary agriculture. These elements contributed to the region's rapid economic development and the development of valuable genetic diversity in a range of crops. Due to population growth, new settlements, and/or the sharing of its products and knowledge with other regions, India's economy is today mostly dependent on agriculture.

Paleolithic and Mesolithic sites have been discovered in the alluvial plains through comprehensive surveys using remote sensing and GIS. At some sites, elevated terraces and proximity to paleo-channels are chosen, indicating flexibility in response to shifting river flows and water supplies (Sontakke, 2023). Excavations at places like Lahuradewa and Jhusi have shown early sedentism and agriculture, particularly rice production. Settlements sometimes consisted of small clusters of semi-permanent mud and reed structures as farming eventually supplanted foraging. Handmade pottery, usually plain or with simple cord imprints, is seen in Neolithic sites in the area. During this time period, clay that was readily available locally was used to make pottery, which was then baked in open kilns and frequently had a coarse texture.

A hierarchy of settlements emerged, with smaller villages acting as agricultural hinterlands surrounding larger cities (such as Hastinapura), as evidenced by findings at sites such as Hastinapura, Atranjikhera, and Kaushambi, which show how urban growth was characterized by fortifications, planned communities, and clearly defined social areas.

Advanced studies on lithic assemblages have shown that composite tools were used during the Mesolithic and that more diverse toolkits were used during the Neolithic. Iron was used in both agriculture and warfare during the Painted Grey Ware (PGW) and Northern Black Polished Ware (NBPW) periods, according to further investigation. Archeobotanical studies have confirmed a mixed economy of agriculture and pastoralism. The agricultural record is dominated by rice (Oryza sativa) and wheat (Triticum spp.), despite evidence of secondary crops such as barley and pulses (Singh, 2017).

Conclusion: According to research, the pattern of settlements changed from semi-nomadic or nomadic groups that depended on natural rock shelters and riverine habitats for access to food, water, and raw materials to permanent settlements, especially around the Upper Ganga Plain's verdant alluvial plains. Hunting and gathering, the employment of quartite tools (such as hand axes, cleavers, and scrapers), and a focus on megafauna and plant resources are all examples of technical advancement. Environmental and cultural influences were also observed during the period of settlement and cultural development in the Upper Ganga Plain. Because it was used in offerings and rituals, pottery frequently had religious and cultural importance.

In addition to demonstrating links with more general Indian subcontinental traditions, pottery patterns in the Upper Ganga Plain also represent the region's distinct cultural and historical trajectory. The Gangetic Plain remains vital for India's socio-economic development due to its agricultural productivity, historical significance, and strategic importance. The water supply provided by the Ganga and its tributaries, as well as the fertile alluvial plains, greatly influenced land use and agricultural practices. As tools shifted from stone to copper and iron, trade, architecture, and agriculture were all changed. When indigenous practices interacted with external influences (such Indo-Aryans and Mauryans), a vibrant cultural and social environment was produced.

REFERENCES

- [1] Adams, W.Y. (1968). Settlement Pattern in Microzomes, Changing aspects of neobianvillage during 12th century. In: Chang, K.-C. (ed.), Settlement archaeology. Palo Alto: National Press Books. Pp. 174-207.
- [2] Agarwal, D. P. (1971). In: The copper Bronze Age in India. IGNCA: India Gandhi National Centre for the Arts, New Delhi.
- [3] Ahlawat, J. (2017). A Geographic Analysis of Settlement Patterns in Ancient India. Hindu, 4 (15): 684-689.
- [4] Bose, N. K. (1971). In: Tribals in India. National Book Trust India, New Delhi.
- [5] Fuller, D. Q. (2008). Neolithic cultures. Encyclopedia of Archaeology, 1:756–768.
- [6] Gangal, K., Vahia, M. N. and Adhikari, R. (2010). Spatio-temporal analysis of the Indus urbanization. CURRENT SCIENCE, 98 (6): 846-852.
- [6] Jha, M. (2014). Migration, Settlement, and State Formation in the Ganga Plain: A Historical Geographic Perspective. Journal of the Economic and Social History of the Orient, 57 (4):587-627.
- [7] Kosambi, D. D. (1965). In: The Culture and Civilization of Ancient India in Historical Outline. Routledge and Kegan Paul Limited, London.
- [8] Singh, R. Y. D. (2017). Settlement pattern in upper Ganga valley: special reference to Tarai of Uttaranchal. International Journal of Research in Social Sciences, 7 (2): 148-164.
- [9] Sontakke, P. V. (2023). Geographical backdrop for the study of prehistoric cultures in Middle Ganga Plain. Journal of Emerging Technologies and Innovative Research, 10 (7): 865-871