



Hinter lands of service centers: A case study of Naraini and Atarra Tahshil

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Abstract

The hinterland of a service center is the geographical area served by it. It includes its own territory with other adjacent localities benefited by its central services various qualitative as well as quantitative techniques have been used.

Atarra is the largest hinterland has been occupied by the only first level service center and Naraini is only second level center while badausa is third level center and Mahua is the smallest region.

Keywords: here use map and diagram and utilize the modified version of the breaking point concept to demarcate the service regions of the service centers

Introduction

The hinterland of a service centre is the geographical area served by it. It includes its own territory with other adjacent localities benefited by its central services, Various qualitative as well as quantitative techniques have been used by the scholars delimited the hinterland. In 1933 Chris taller used the centrality and hierarchy of service centers as criteria of delimitation. In 1952 green ^[1] and in 1956 Godland ^[2] have utilized the bus service data to demarcate the hinterland. In 1956 Bracey took rural development of centrality in the demarcation of hinterland ^[3]. In 1967 berry utilized Reilly's law of retail gravitation and breaking point principles for this purpose ^[4]. Here utilised the modified version of the breaking point concept to demarcate the service regions of service centers in the Naraini and Atarra Tahshil. The formula is a follows –

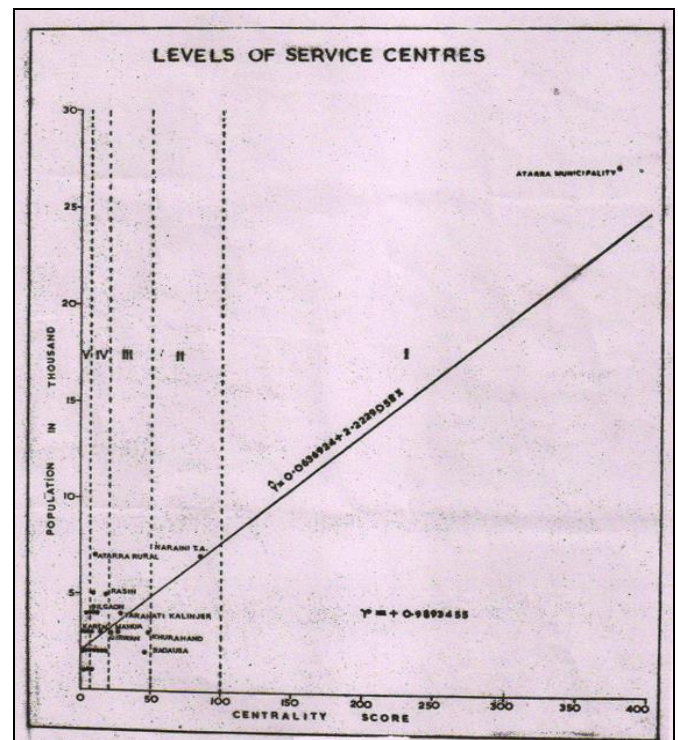
$$B = D \times \frac{AC}{AC+BC}$$

Where: D = distance between A and B service centers.
 AC = Centrality scores of A
 BC = Centrality scores of B
 B = Breaking point of A and B

The largest hinterland has been occupied by the only first level service centre Atarra is the Tahshil headquarter. It is located in the agriculture ally rice area rich area having good transport facilities. It is connected with KAVAL towns of Uttar Pradesh, Jabalpur, New Delhi, Mumbai and Kolkata. It is also a big rice Mandi and Industrial town of the district. It is also a seat of Ayurvedic, Engineering and higher Education of

the District. For the development of the centre a well set plan is required.

Naraini, the only IInd level centre is the Tahshil as well as block head quarter and commands almost the whole tahsil. It is well connected with the district roads. Its hinterland has been barred by that of Atarra in the north but in the it commands the whole area as shown in given fig.



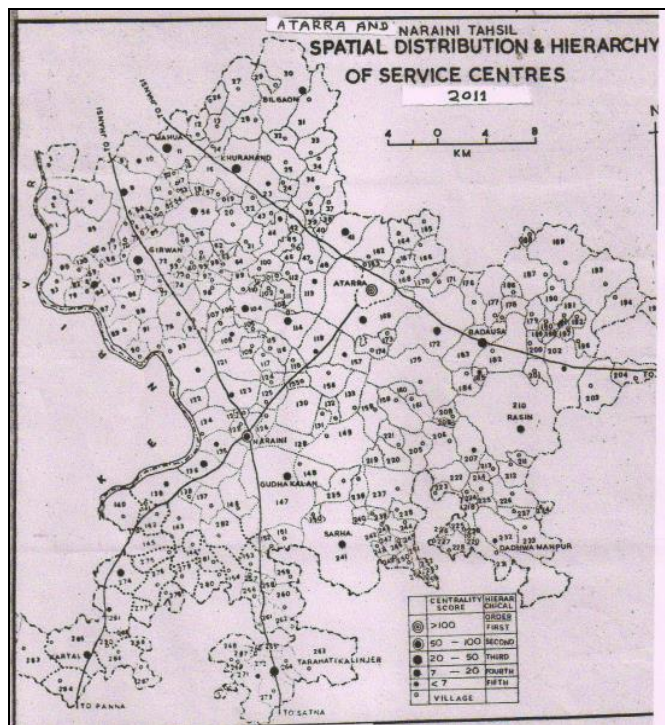


Fig 1

1. **Badausa Region:** of the fine third order centers, Bdausa occupies the largest service area I.e, 19.99% of the total area. The total population by this centers is 103734 through various services like degree college, Intermediate, post & telegraph office police station,

hospital, railway station, commercial, Gramin and co-operative Banks els. It is the old seat of administration as tahshil head quarter in the British period. It is also famous for vegetables and sand supply to the surrounding areas. It commands over 15 service centers, s forth order and 10 fifth order, serving about 45villages.

2. **Khurhand Region:** It having an area of 123.36 km² It commands over s service centers 3 of fourth order and 2 of third order with 25 villages within its service area. It serves the part of khambhaura, Bilgaon and Arjunah, Nyaya Panchayats and meets out the service requirements of 76802 people through various services like Intermediate College, commercial, Gramin and co-operative Banks, railway station, post and telegraph office Ricemill, mandi, Police post, dispensaries etc. It is located on the Jhansi-Banda, Allahabad-Mirzapur state highway and Jhansi- Manikpur section of North central railway, due to which it is a promising service centre for future development.

3. **Tarahati Kalinjar Region:** The old town of historic cultural personality lies on Banda- Satna road commands over 82.31 km² including part of Narhri, Jamwara, Kartal, Kalinjar, Gudha Kalan and sadha Nyaya Panchayats it commands over 7 service centers, 4 of fourth order and 3 of fifth order through various services like high school, post and telegraph office, dispensaries, veterinary hospital, industry, commercial and Gramin Banks etc. It is also farmers for honey and medicinal herbs collection, it extends services to the population of 36168 people (see following table) IVth and Vth order central Places and their service regions.

Table 1

SL	Regions	Centers			Area in km ²	Population 2011	No. of Villages
		IVth Order	Vth Order	Total			
1	2	3	4	5	6	7	8
1-	Badausa	5	10	15	275.524	103734	44
2-	Khurhand	3	2	5	123.368	76802	25
3-	Tarahati Kalinjar	4	3	7	82.316	36168	22
4-	Girwan	2	2	4	75.580	30432	24
5-	Mahua	1	1	2	62.820	29042	14

4. **Girwan Region:** The service area of Girwan service Centre occupies the western part of Naraini Tehshil including the parts of Barai Manpur, Girwan, Pangara, Badokhar Buzurg and Baheri Nyaya Panchayats. It covers an area of 75.58 km² and meet out the service requirement of 30432 in habitants of the region. During the British period it had been tahshil headquarter. At present it houses the services like post and telegraph office, police station, commercial and Gramin Banks, Degree college intermediate college, industry etc. It is located at Banda-Naraini road. Due to rich paddy cultivation in ets surroundings It has emerged as a rice milling centres. It possesses potentials for the future development of various units of agrobased industry.

5. **Mahua Region:** This is the smallest region commanding over the parts of khurahand, Badokhar Buzurg and Girwan Nyaya Panchayat. It controls over an area of 62.82 km² and 29042 people. It possesses only two

service centres one each of IVth and Vth order. It serves the area and its people through the service like Block head quarter, P.H.C. Veterinary hospital, commercial and Gramin Banks, high school and post office etc. Its service area is rich in agricultural products therefore agro based industry of small. Scale may be developed here. It is located on Banda Allahabad- Mirzapur state highway.

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