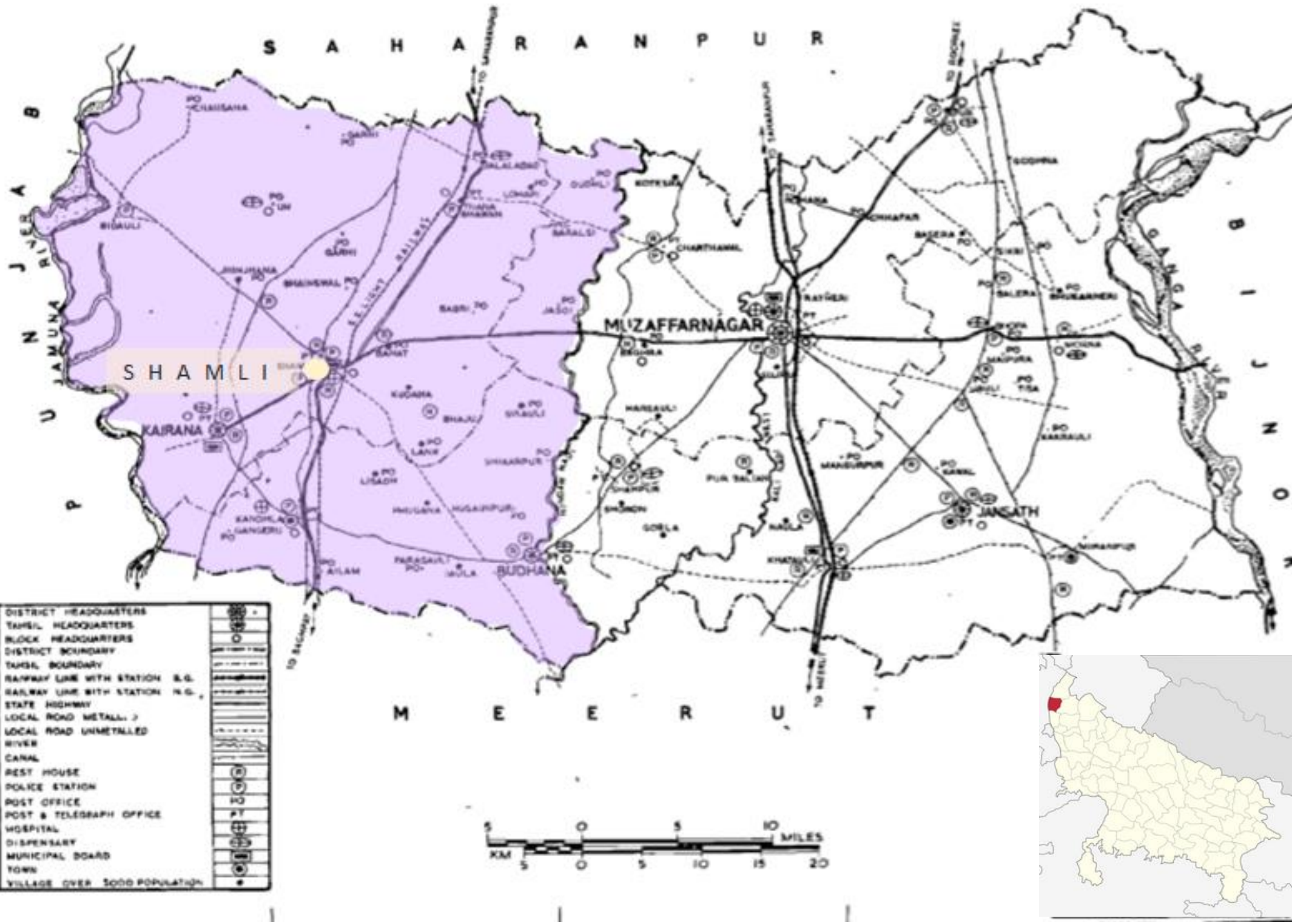


FORMATION OF THE DISTRICT



Border of this district is connected with district:

Muzaffarnagar in East

Harayana in West

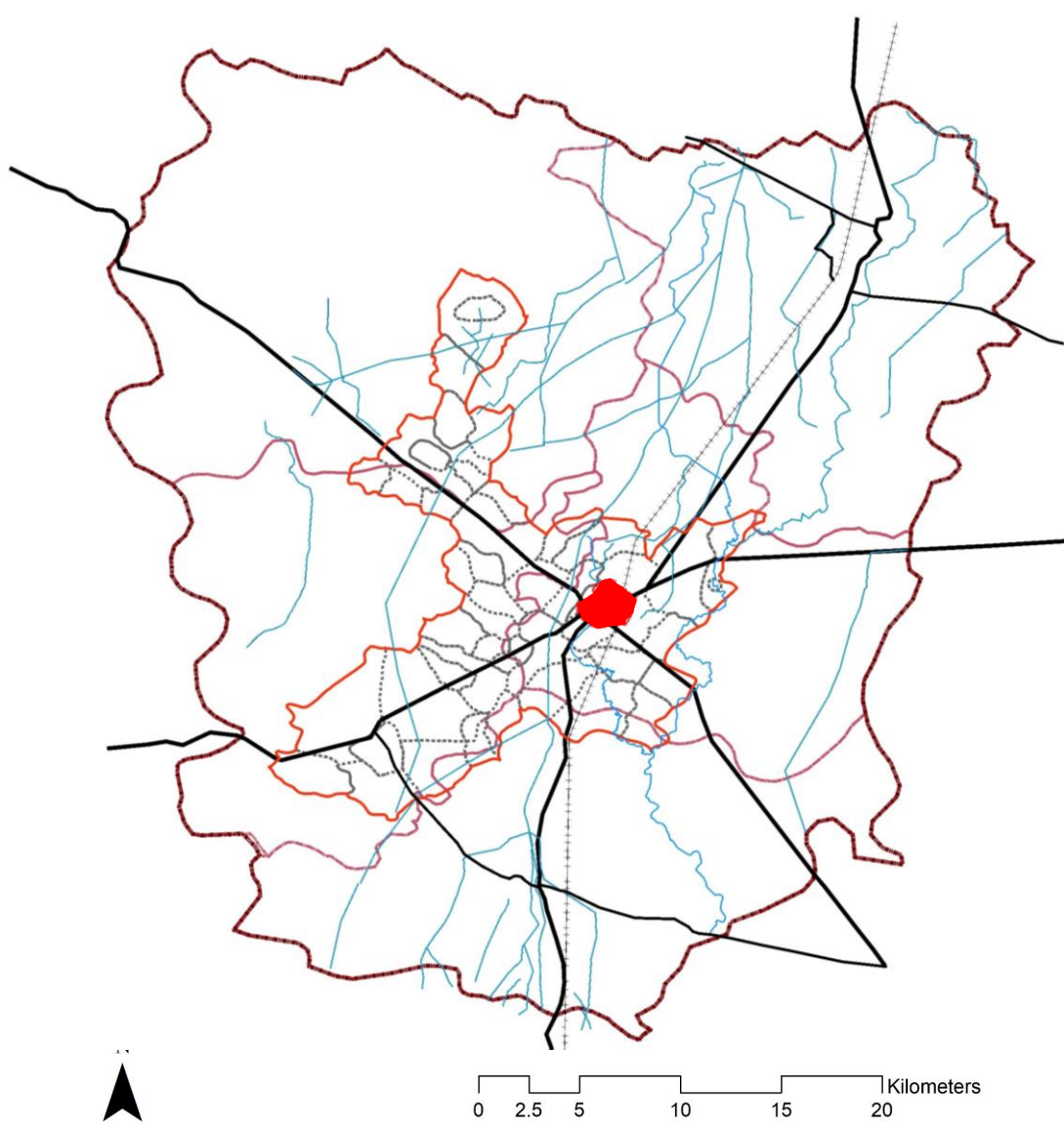
Saharanpur in North

Baghpat in South

SHAMLI CITY

Shamli is a historical city and the headquarters of Shamli district. Lies between the deltas of two rivers, the Ganga and the Yamuna and referred to as 'Doab'. Sugar is a major crop cultivated in the region, while it is also known for its steel, paper & automotive wheel rim industries. This is an agriculture cum industrial township with sugar as the major produce.

Key map



Legend



Scale

Source & Note

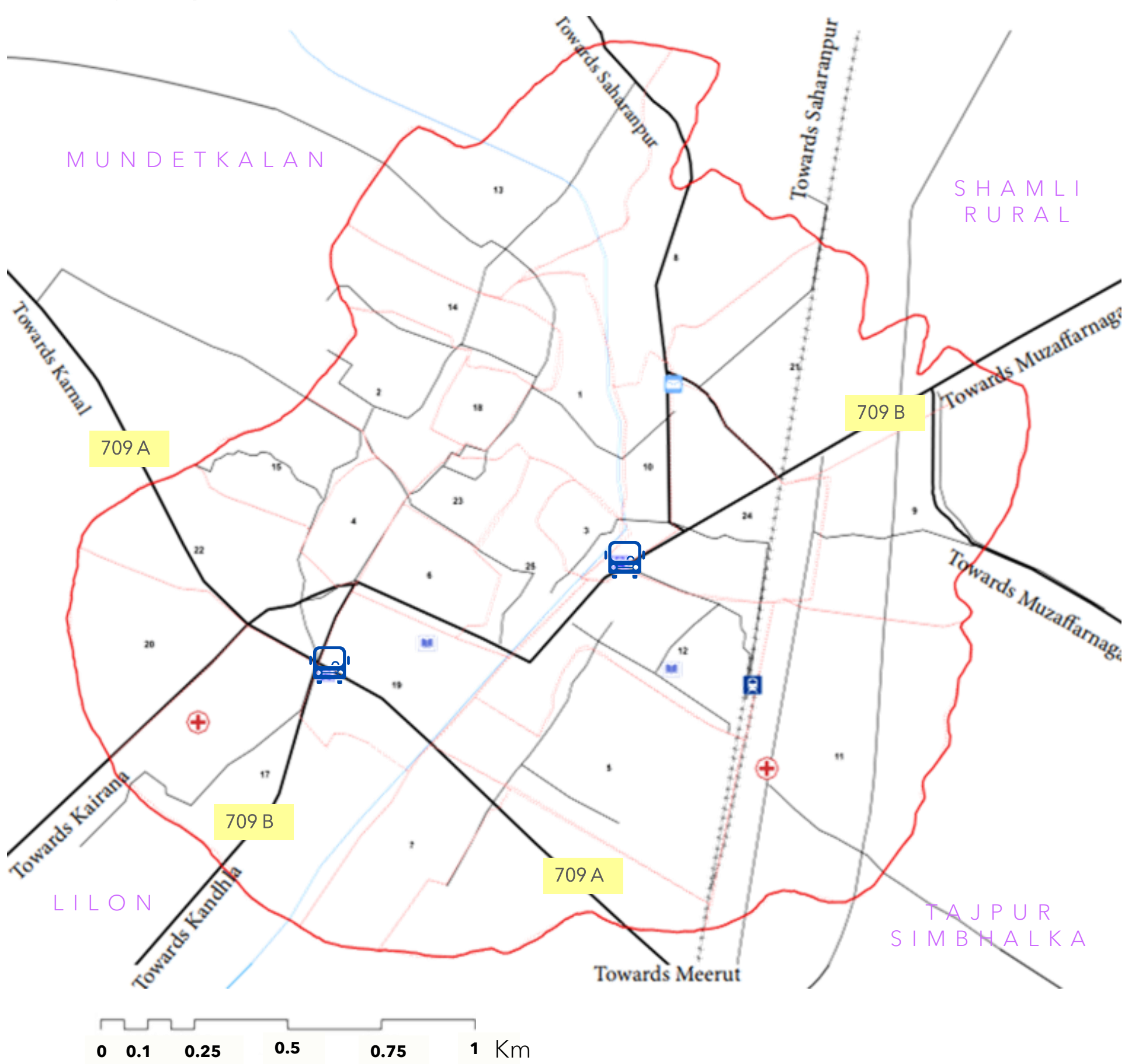
Shamli district
Govt. of U.P.

District Census Hnadbook,
Muzaffarnagar

District Shamli, a newly constructed district in U.P came into focus on 28 September, 2011. Before becoming a new district, it came under district Muzaffarnagar and was well known tehsil of it.

AREA: 1341.13 sq.km.
POPULATION : 12,73,402

TEHSILS: Shamli, Kairana, Uun
BLOCKS: Shamli, Thana bhawan, Kandhala, Kairana, Uun
VILLAGE PANCHAYAT: 230
CENSUS VILLAGE: 352
STATUTORY TOWNS : 10



AREA : 4.2 sq.km.
(1.95% of planning area i.e. 215 sq.km.)
WARDS : 25
POPULATION : 1Lakh (Approx.)

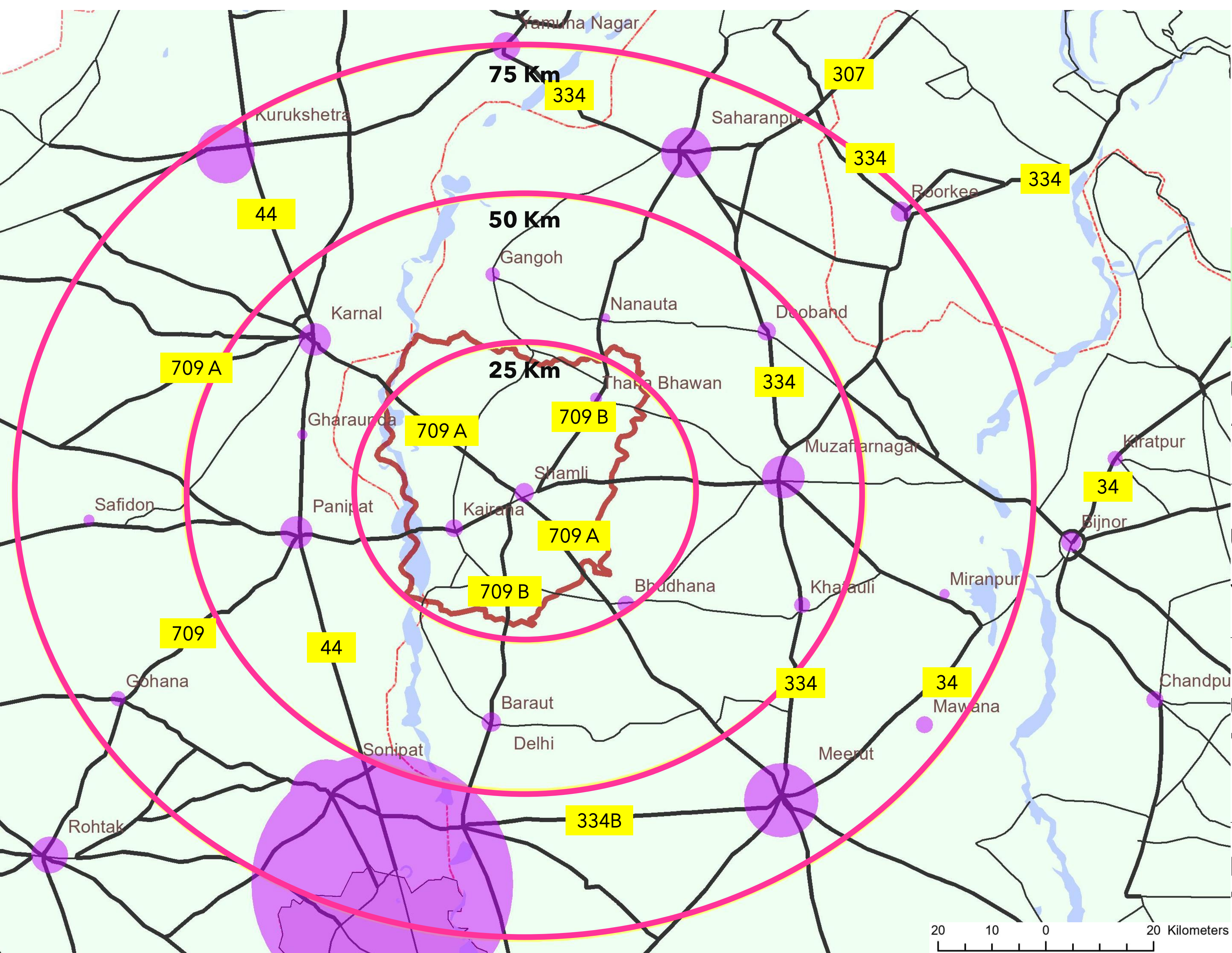
WHY ADDED TO NCR?

One of the main attractions for districts wanting to be part of NCR are the funds they will be eligible for from the NCR Planning Board (NCRPB), the apex planning body in the region.

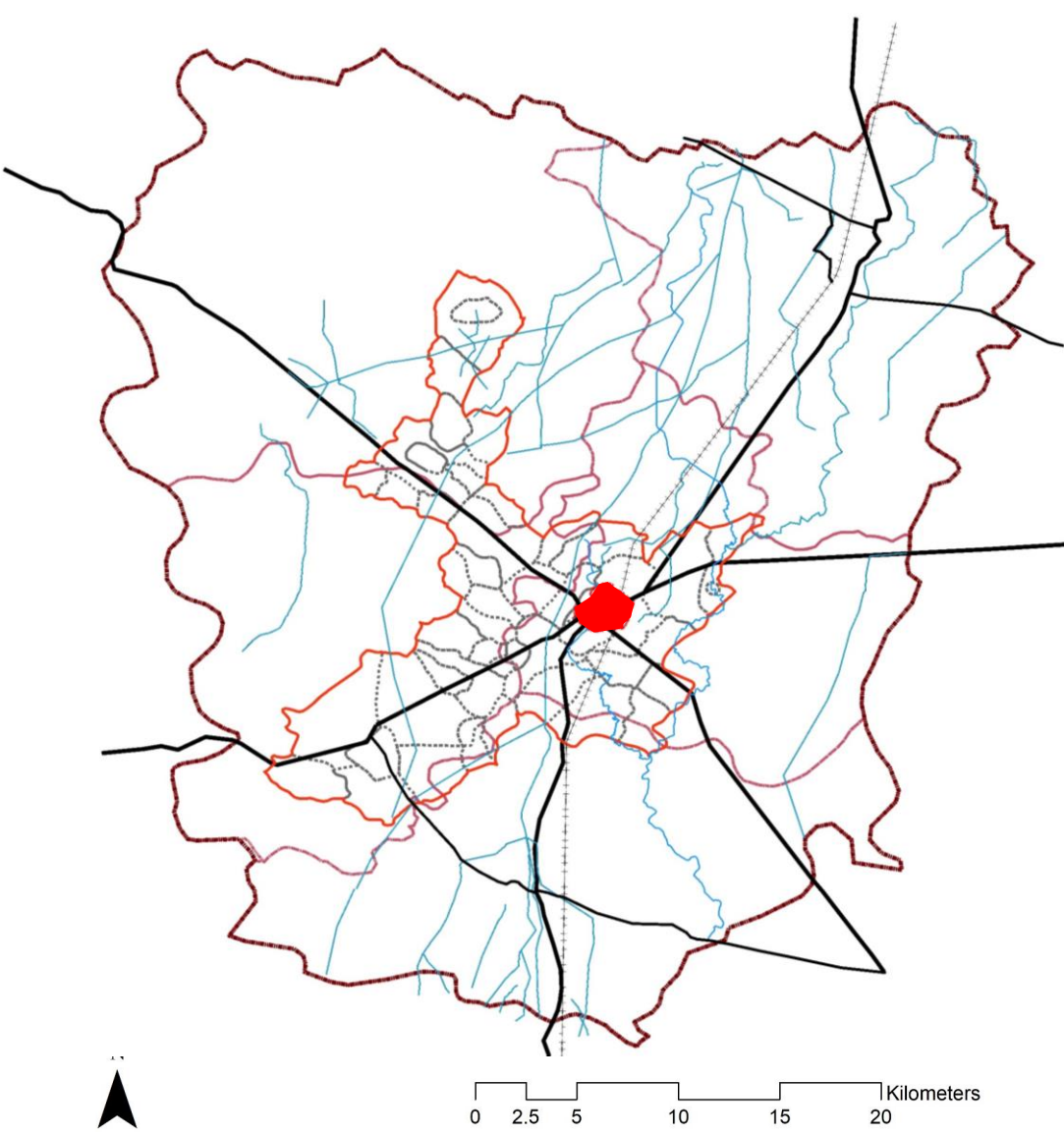
Also, the surrounding districts i.e. Panipat, Karnal and Muzaffarnagar, were already included in National Capital Region.

- Sujeet Kumar, the district magistrate of Shamli

CLASSES OF TOWNS/CITIES SURROUNDING SHAMLI CITY



Key map



Legend

	Class I : 100,000 & above	Class II : 50,000 to 99,999	Class III : 20,000 to 49,999
Under 25 Km	Shamli	Kairana, Bhudhana	Thana Bhawan,
Under 50 Km	Panipat, Karnal, Baraut, Muzaffarnagar	Khatauli, Deoband, gangoh	Gharaunda, Nanauta
Under 75 Km	Kurukshetra, Sonipat, Meerut, Rorkee, Saharanpur, Yamuna Nagar	Mawana	Safidon, Gohana, Miranpur
Beyond 75 Km	Delhi, Rohtak, Bijnor	Chandpur	Kiratpur

Scale



Source & Note

<https://economictimes.indiatimes.com/news/politics-and-nation/adding-uttar-pradesh-shamli-to-an-ever-growing-ncr-may-not-make-sense/articleshow/53889724.cms>

HISTORICAL DEVELOPMENT

LEGEND
Lord Krishna travelled through Shamli to the war zone of Kurukshetra during Mahabharata. On his way, he blessed the place by worshipping Shri Hanuman. Former names of Shamli - *Shyama Wali, Shyama Nagari*

MARATHA SOLDIERS
Historical evidence suggests that Maratha soldiers *developed this area as a Cantonment*.

FIRST STRUGGLE FOR FREEDOM
Revolutionaries in the *first struggle for freedom* against the East India Company in 1857. used it as a safe hideout.

PHYSICAL DEVELOPMENT

Development before *Independence*

Before 1947 the development of the city was mainly *along Saharanpur-Delhi Marg* as it provided major connectivity to the Shamli city.

Development between *1947 - 1980*

Major development was along the Kairana & Muzaffarnagar - Delhi Marg & only a small-scale development began along railway line as in 1970 it was closed.

Development after *1980*

Majority of the development was *along the major roads* of the city and along north-western side of the railway line as it again started to operate in early 1980s.

Shamli City	Total	Male	Female
City Population	107,266	57,187	50,079
Sexratio	876		
Child Sexratio	794		

Shamli city child sex-ratio as well as sexratio is very less in comparison with U.P. Child Sexratio i.e. *902* and Sexratio i.e. *912* respectively.

ECONOMY

Shamli city has an agriculture and industry based **economy** where sugarcane is the main crop.
Cultivators : *954*
Agricultural Labourers : *1,307*
Household Industry Workers : *1,165*
Other Workers : *28,029*

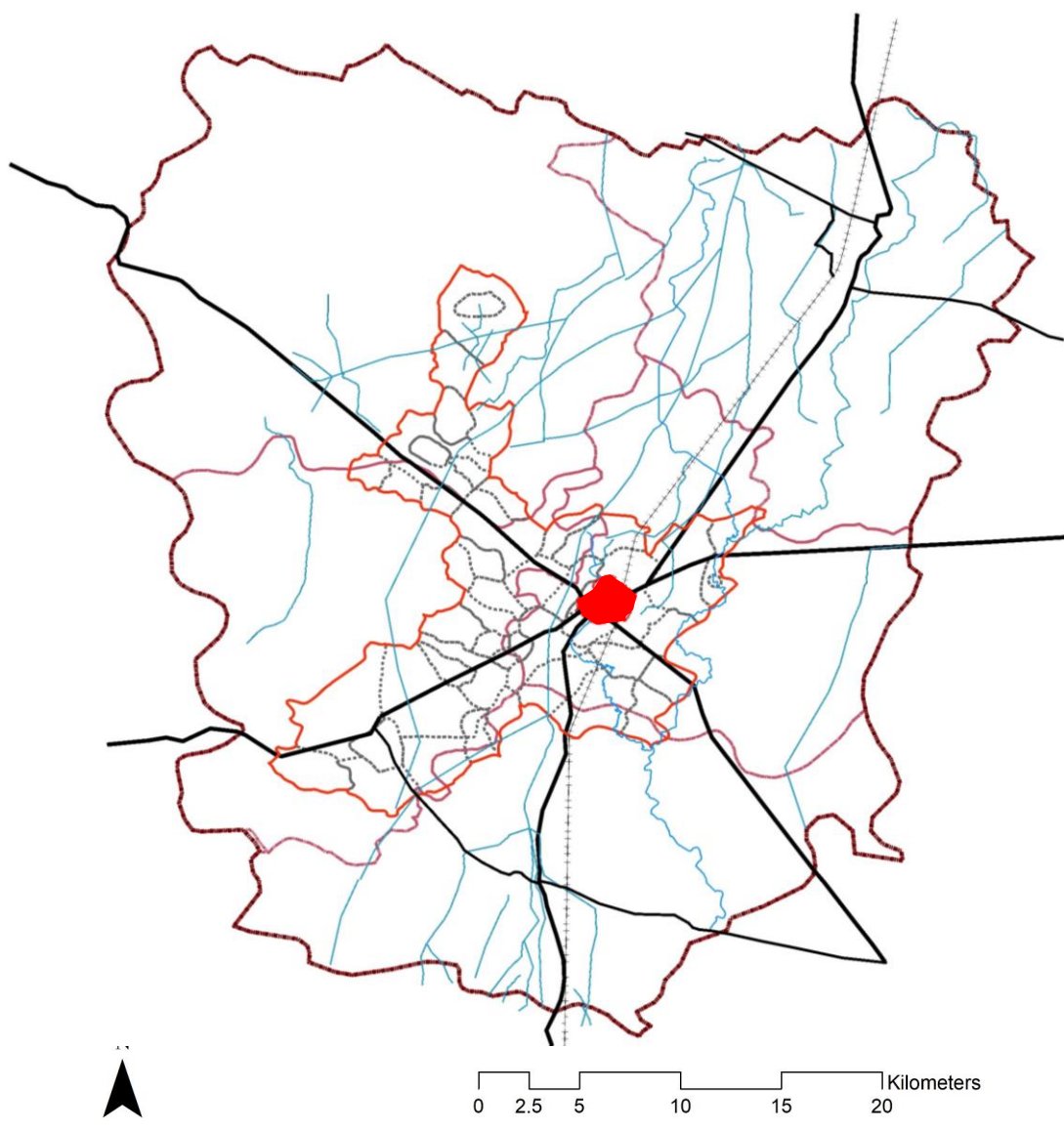
SOCIAL STRUCTURE

Shamli suffered rioting during the 2013 Muzaffarnagar riots. The riots severed the cordial relationships that existed between the Hindu and Muslim communities that peacefully co-inhabited the district.

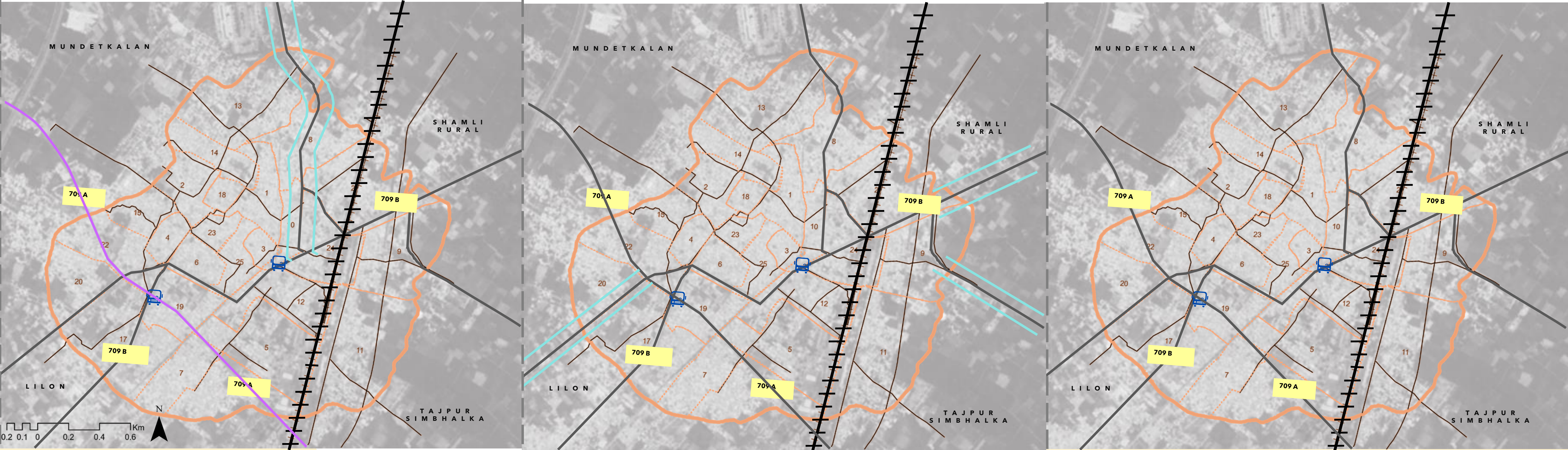
As per Census India:

Hinduism : *68.93 %*
Islam: *28.21 %*
Jain: *2.01%*
Sikh: *0.62%*
Other: *0.22%*

Key map



Legend



Scale



Source & Note

Realising India Series (2017-2018), District Shamli

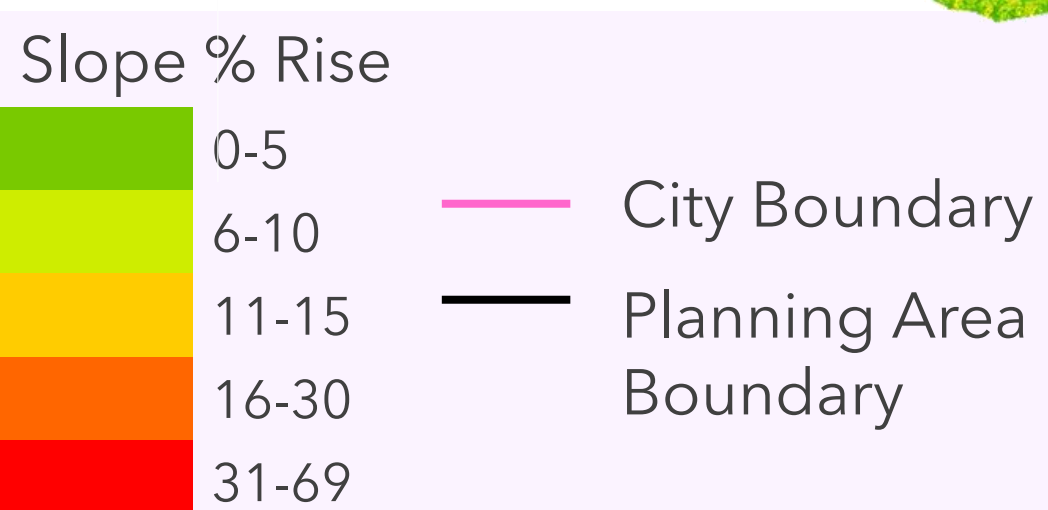
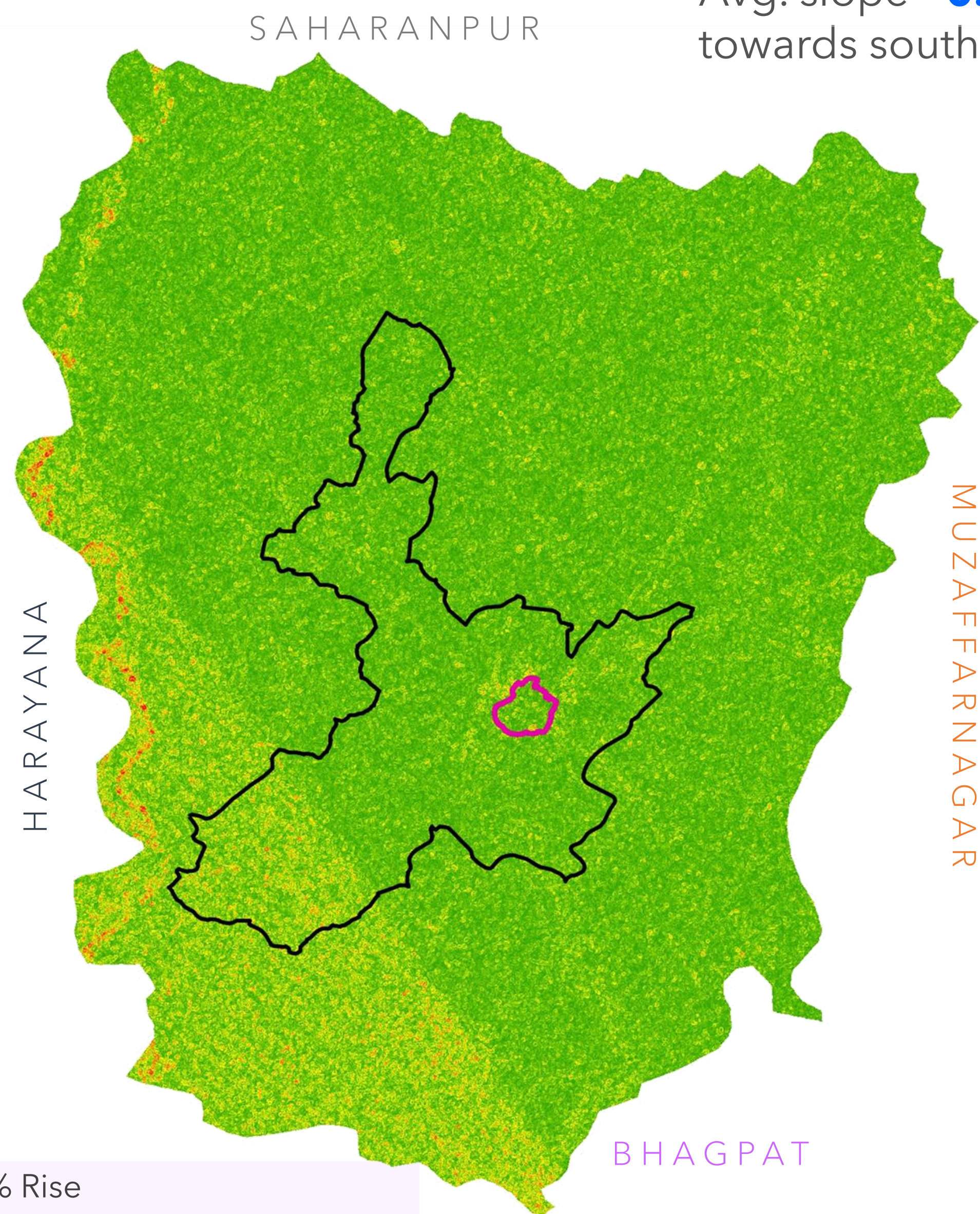


SETTING & SLOPE

The district falls in Survey of India Toposheet No. 53G, covering north latitudes 29 45'49.33" and 29 42'33.33" and east longitude 77 23' 10.06" and 78 08' 13.18'

The entire Shamli planning area is a **flat terrain**.
Highest point - **265.00 m** (amsl) in the north
Lowest point - **230.00 m** (amsl) in the south.

Avg. slope - **0.40 m/ km** towards south.

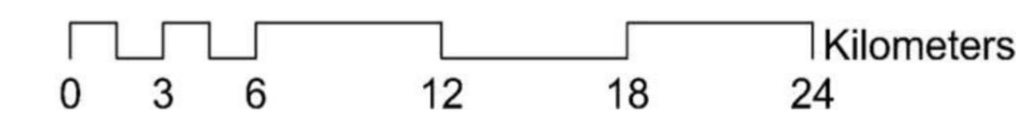
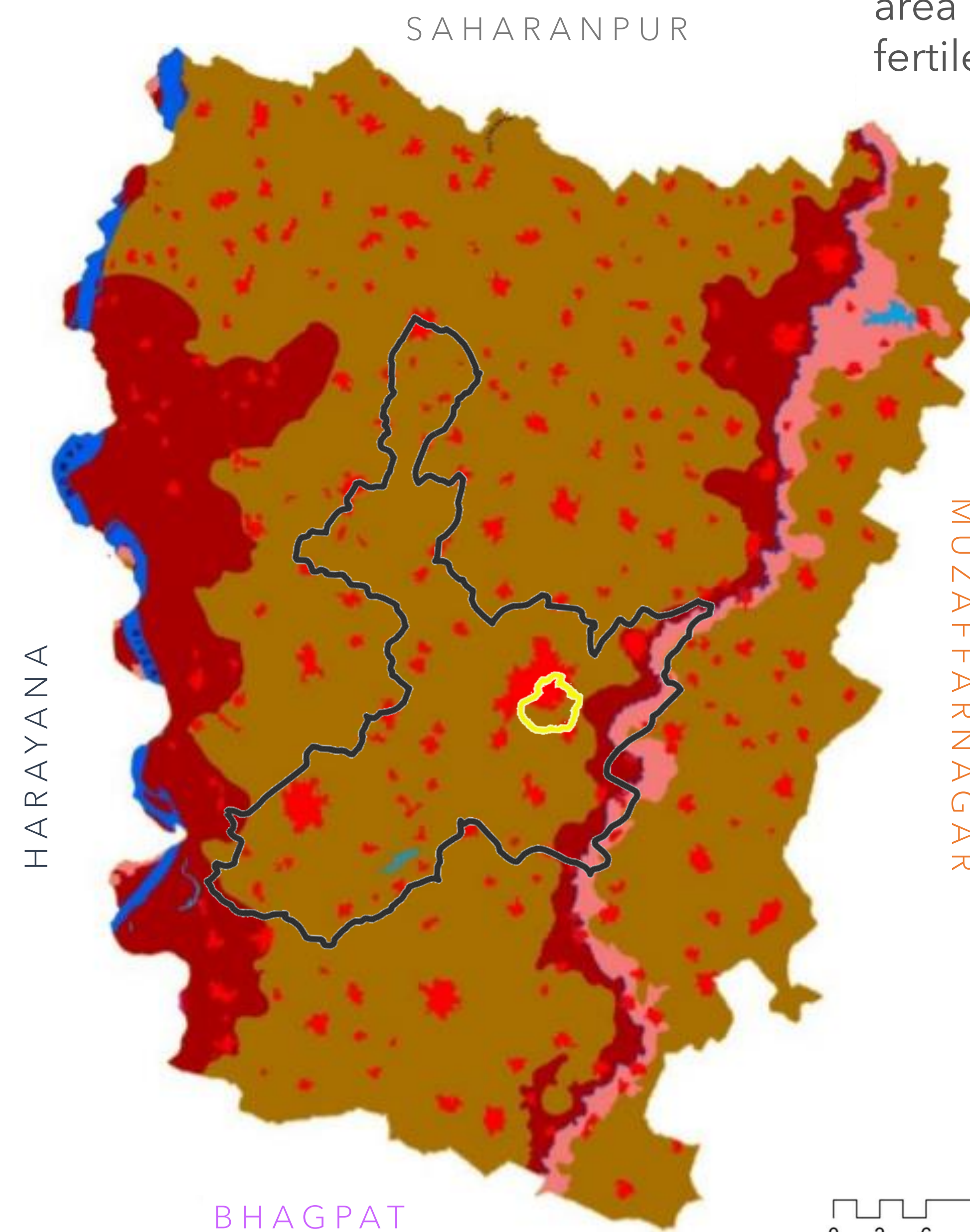


MAJOR CROPS & SOIL TYPE

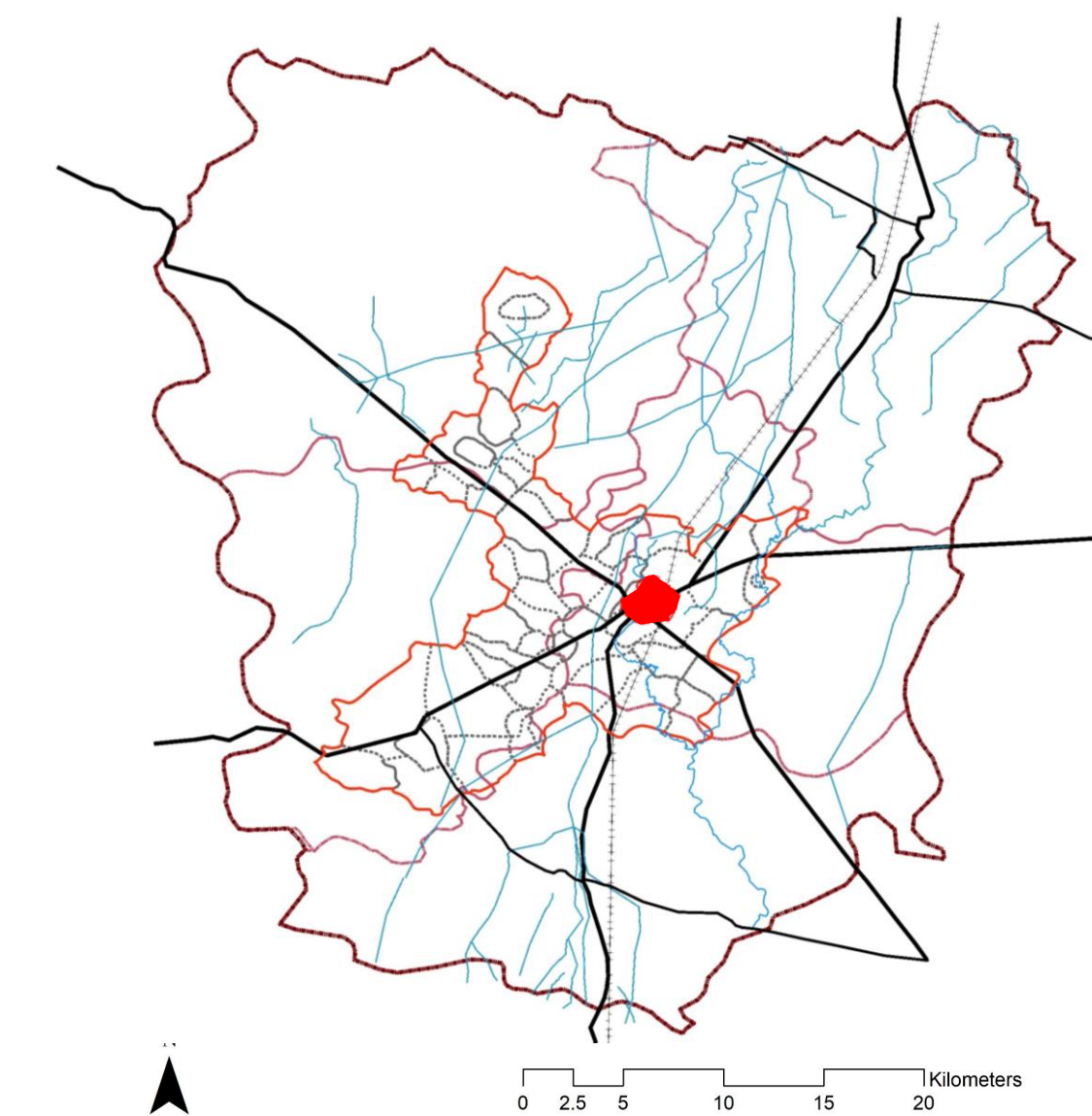
About 80% of the total geographical area of the district is cultivated area. The main rabi crops are wheat and oil seeds while paddy and pulses are the main crops of kharif. The abundantly produced **sugarcane** is a perennial crop.

AREA UNDER PRINCIPAL CROPS (Ha)
1,34,431 (Wheat, Rice, Sugarcane)

Entire district of Shamli falls between Yamuna and Krishna rivers referred to as 'Doab' area. The **loamy soils** of the area are very fertile.



Key map



Legend

- City Boundary
- Planning Area Boundary
- Water Bodies
- Clay with sand/silt
- Clayey Sand
- Gravel/Sand, Silt
- Sandy Clay
- Settlement

Scale



Source & Note

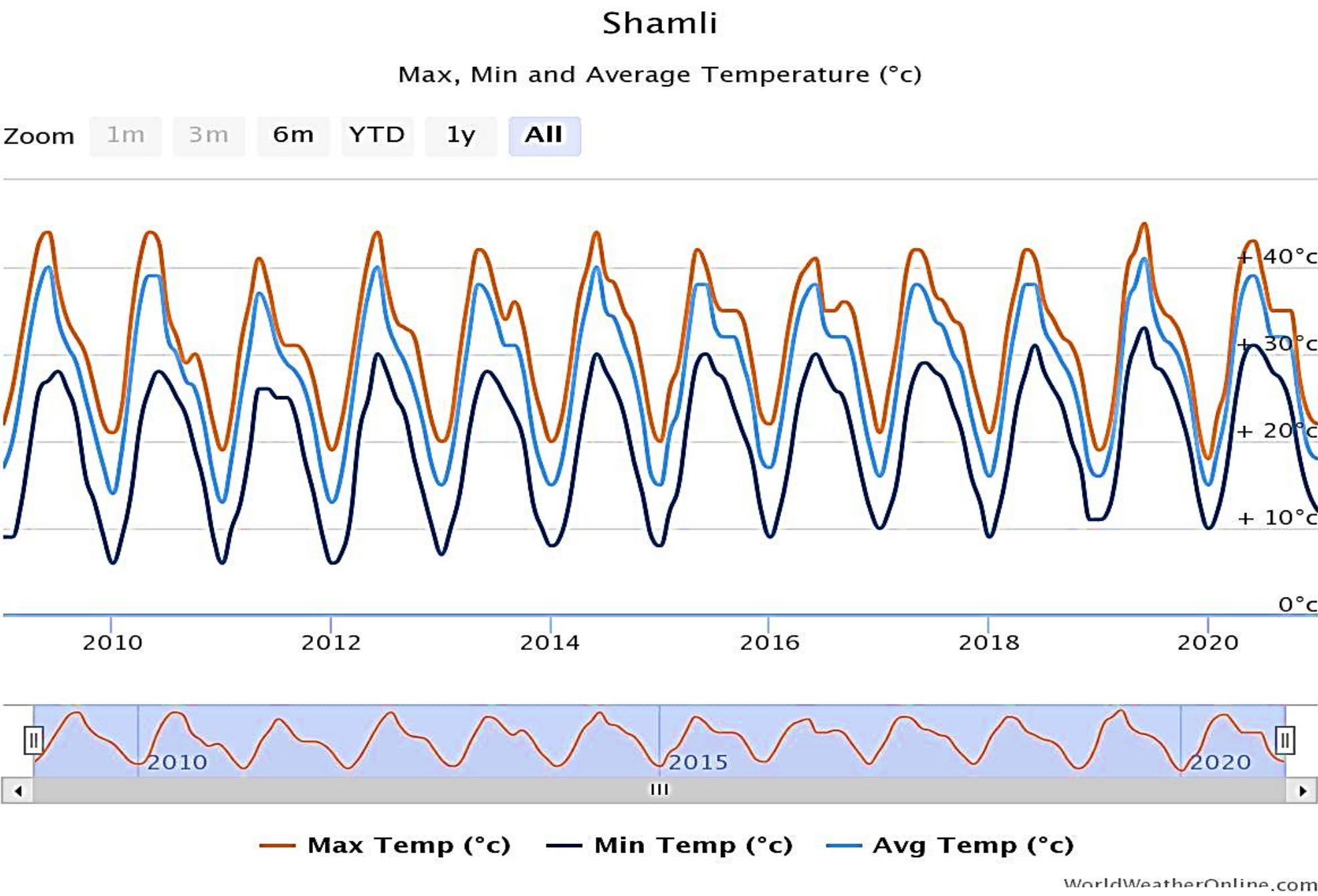
Report on AQUIFER MAPPING AND GROUND WATER MANAGEMENT PLAN Shamli District, U.P.



CLIMATE

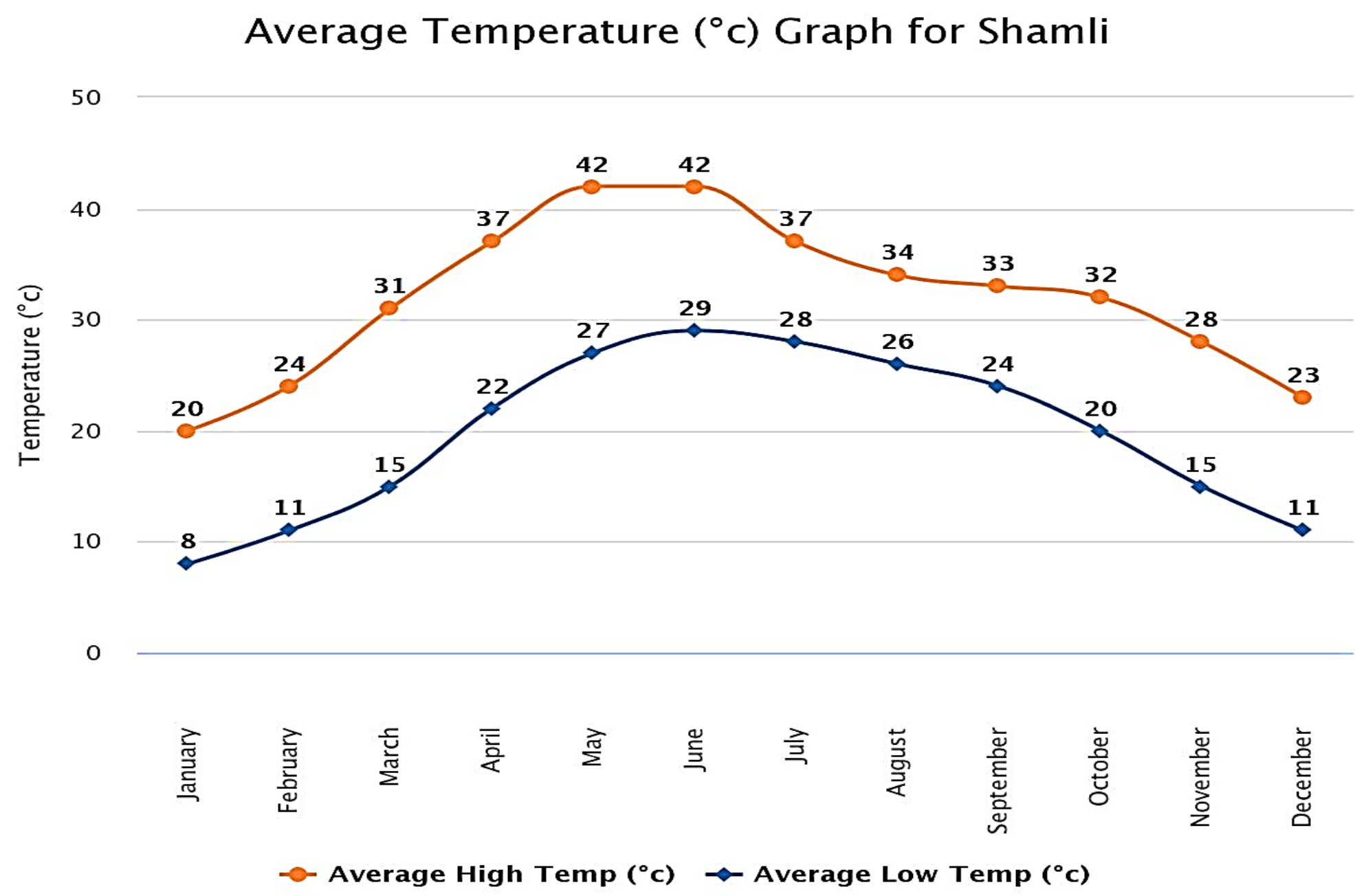
The climate is **sub humid** and it is characterized by general dryness except in the brief period during the monsoon season.

TEMPRETURE



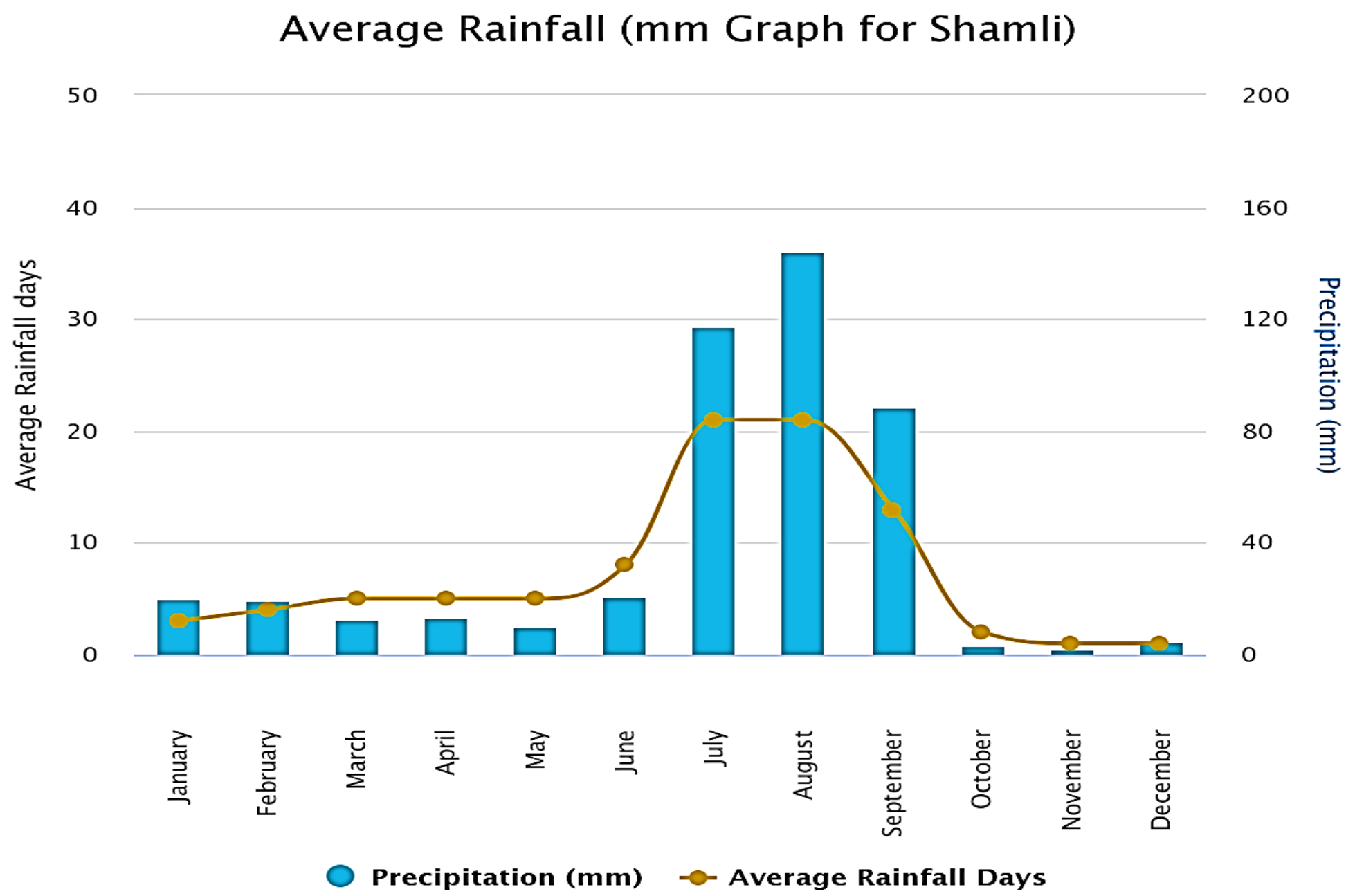
January is the coldest month with mean daily temp. at about 20 C and , mean daily minimum at 7 C .The air is dry during the major parts of the year.

May and June is the hottest month. The mean daily maximum temp, is about 42 C, mean daily minimum temp, is about 27 C.

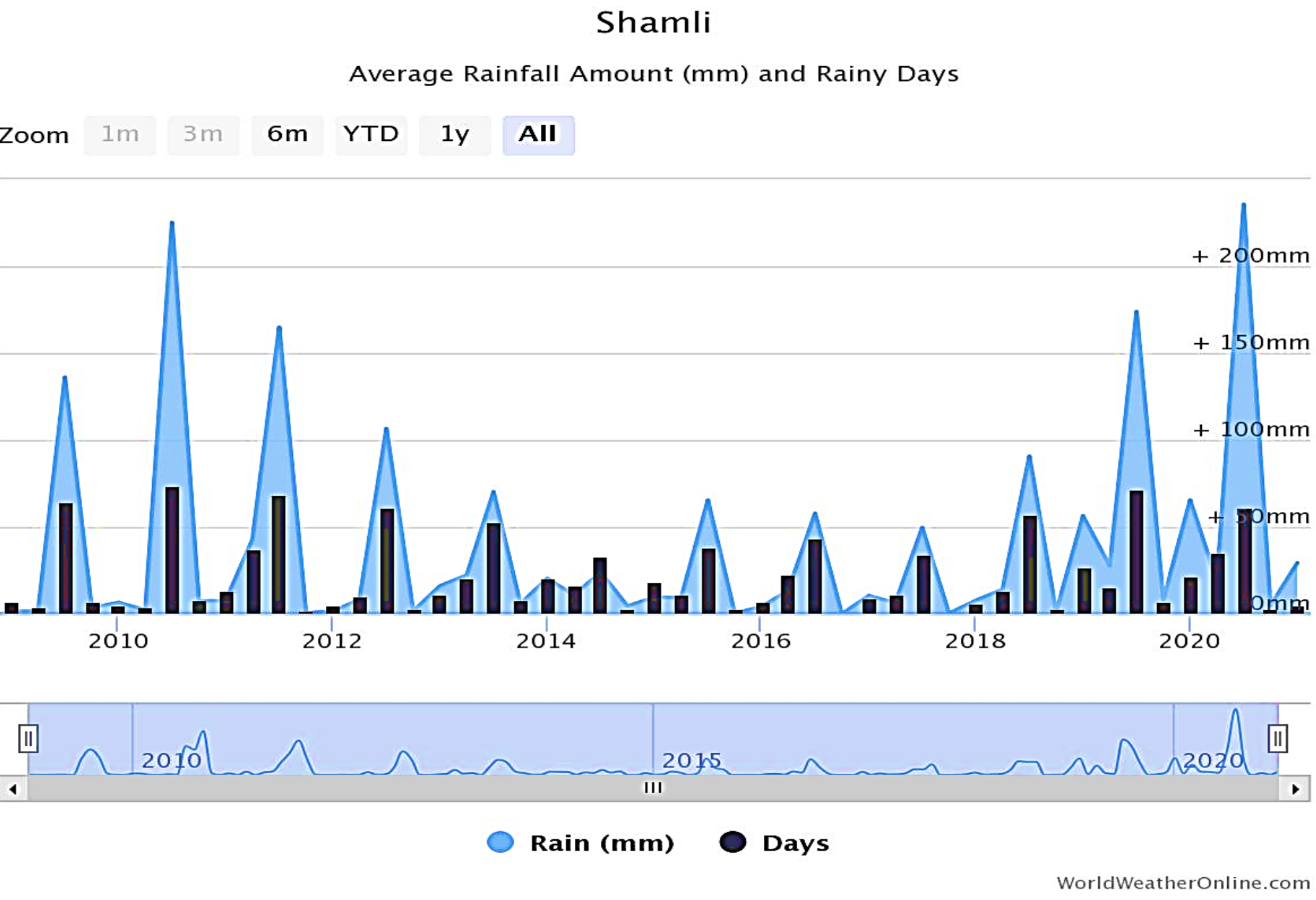


Annual minimum temperature is rising

RAINFALL

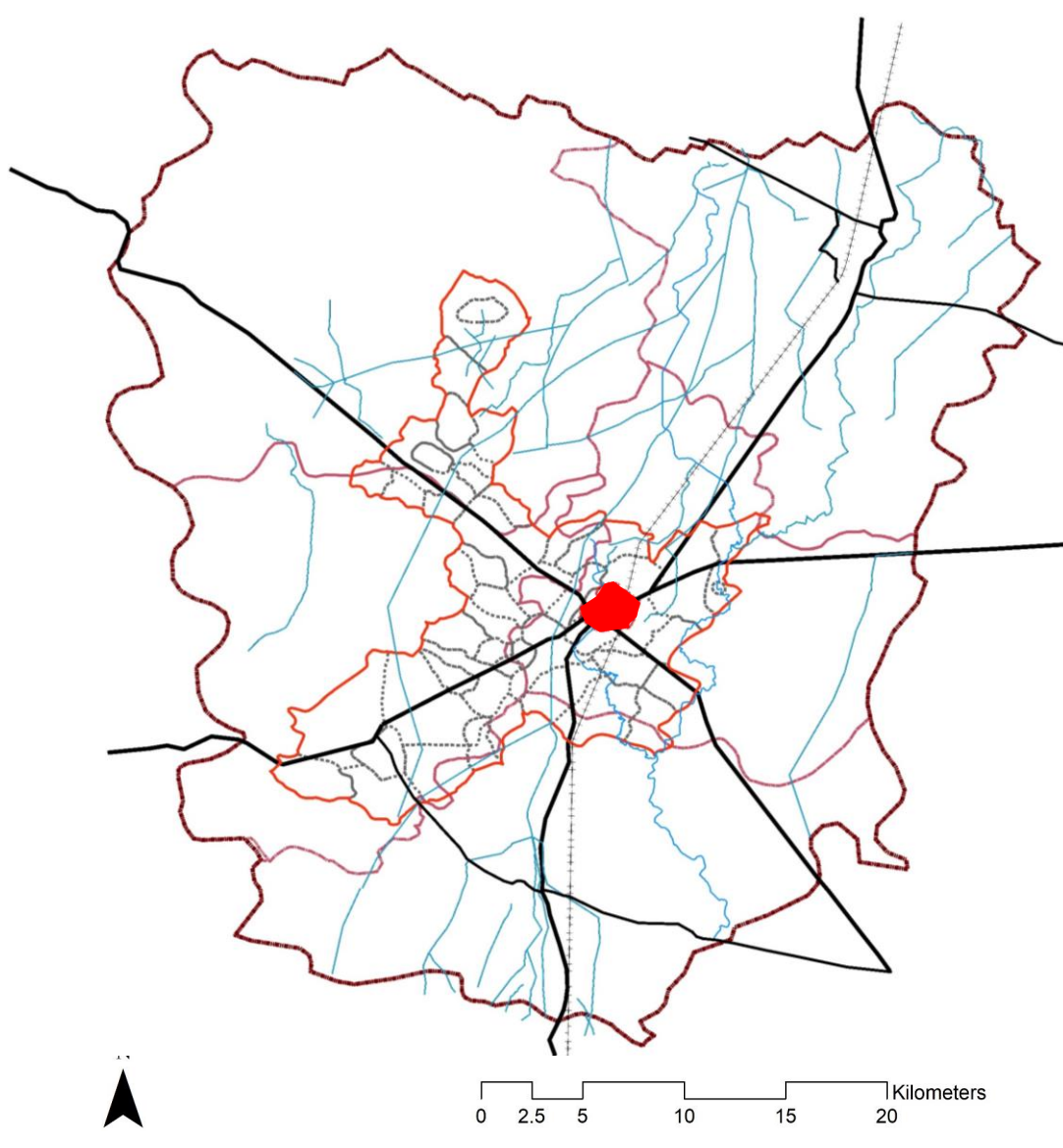


Avg. annual rain : 869 mm



About 80% of rainfall takes places from June to September. During monsoon surplus water is available for deep percolation to ground water

Key map



Legend

Scale



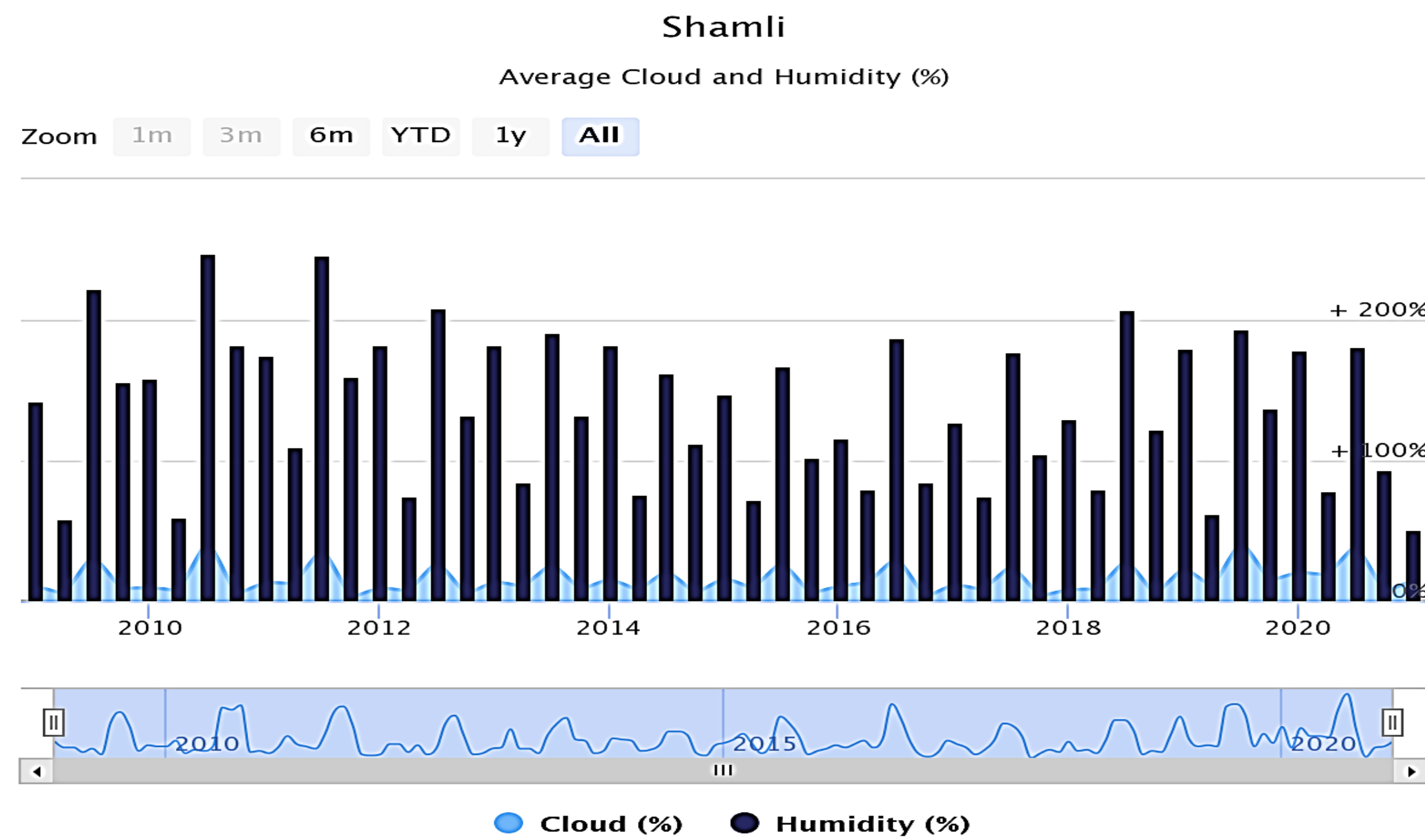
Source & Note

Report on AQUIFER MAPPING AND GROUND WATER MANAGEMENT PLAN Shamli District, U.P.

Worldwetheronline.com



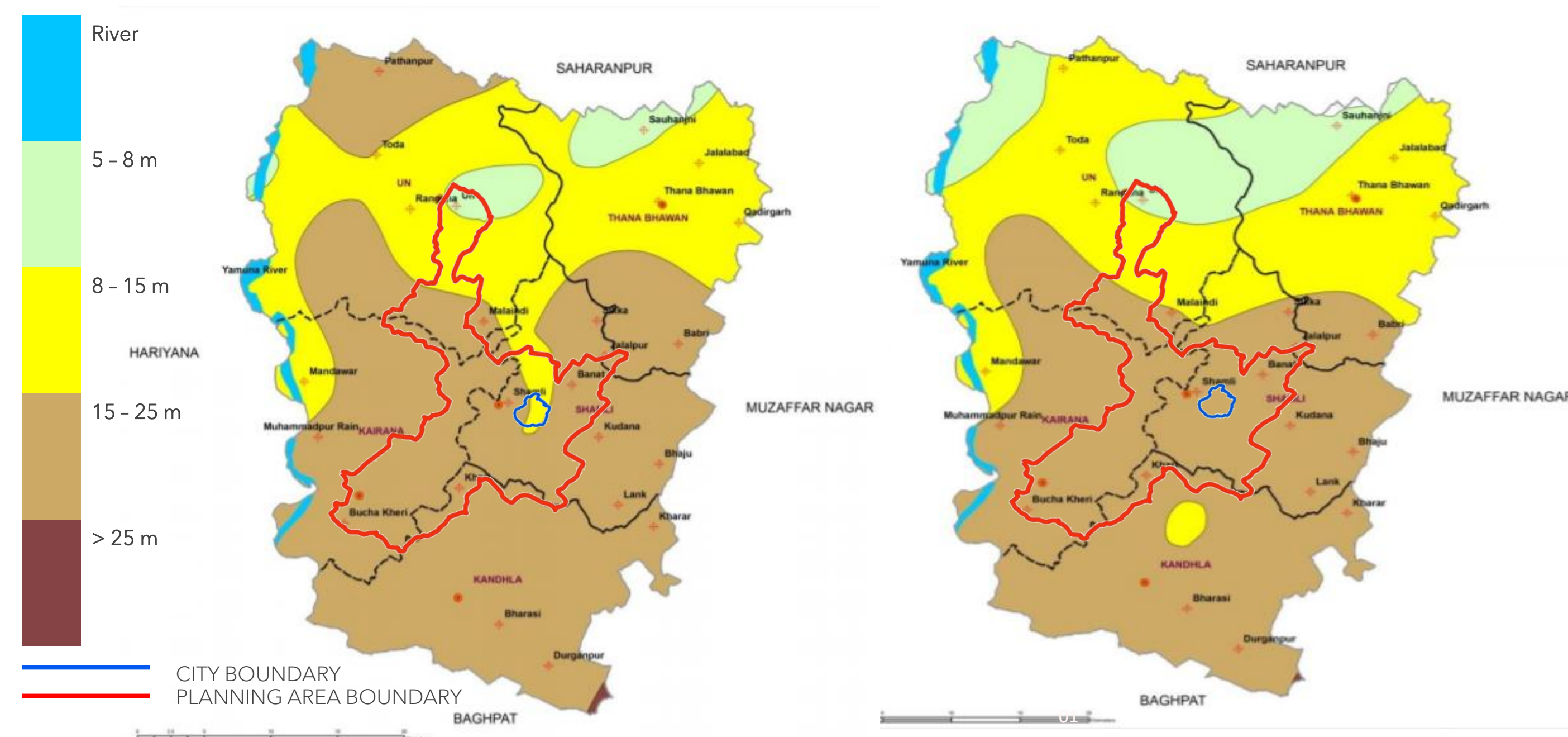
HUMIDITY&WIND VELOCITY



The mean monthly relative humidity is 67%. The mean wind velocity is 6.70 Km.p/h. The potential evapotranspiration is 1545.90 mm.

PRE-MONSOON, 2015

POST-MONSOON, 2015



The development of ground water in the district is high as 3 blocks (Un, Kairana, and Kandhala) out of 5 blocks in the district have been categorized as **Over Exploited** and rest of 2 blocks (Shamli and Thana Bhawan) are **Critical**.

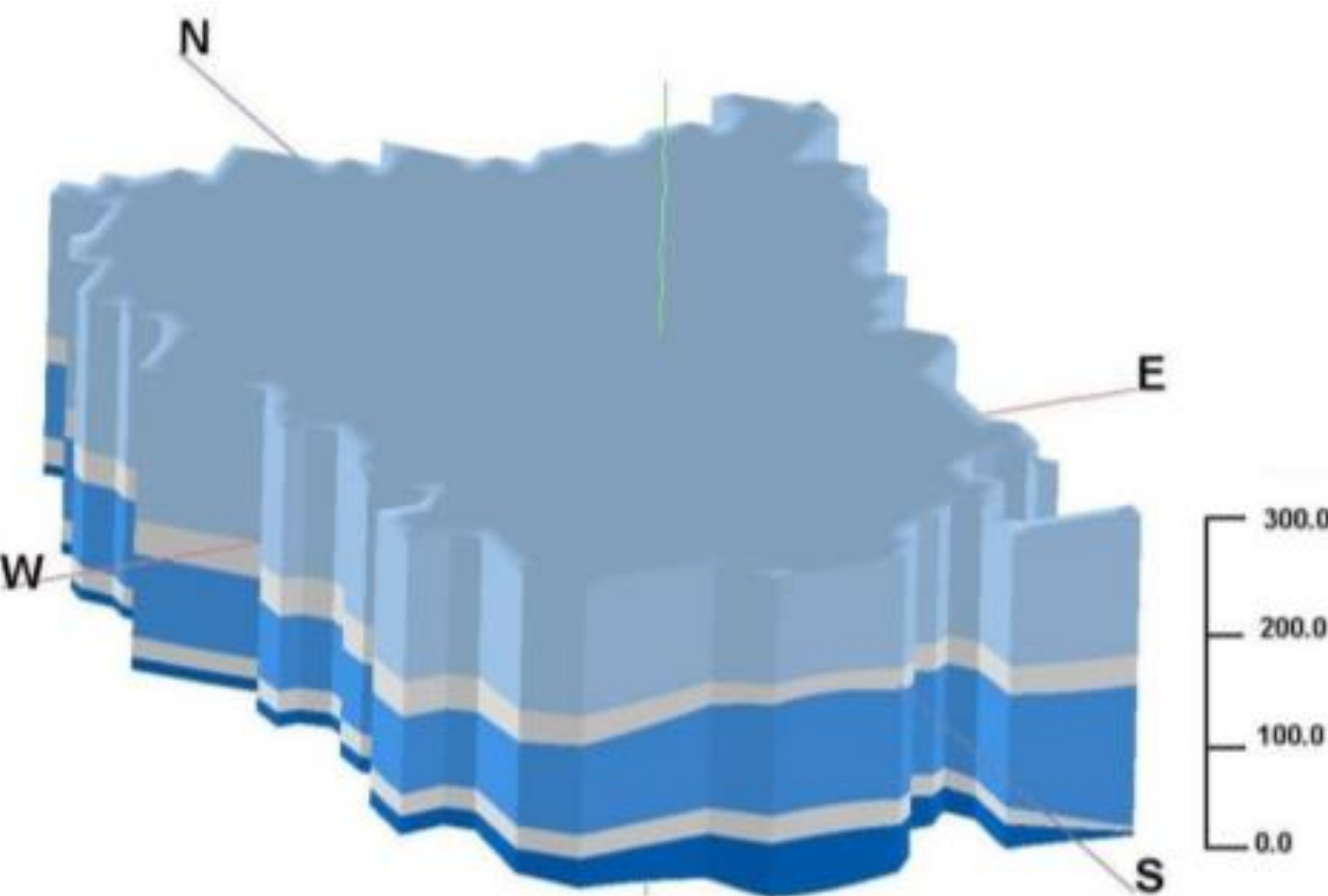
HYDROGEOLOGY

By and large there are **four** distinct groups of aquifer occurring in the area down to 452.00 mbgl.

- First** aquifer with varying in thickness at different places and continues down to 160mbgl and comprises medium to coarse sand.
- Second** aquifer occurring at varying depths between 114mbgl and 320mbgl is separated by 10-15m thick clay layer from the first aquifer and consists of finer sediments than that of first one.
- Third** aquifer is separated by second aquifer with thick clay layer. The fine grained third aquifer lies between the depths from 219mbgl to 452mbgl.
- At places the truncated third aquifer is followed by a clay layer and underlain by fourth aquifer between the depths of 283- 452mbgl

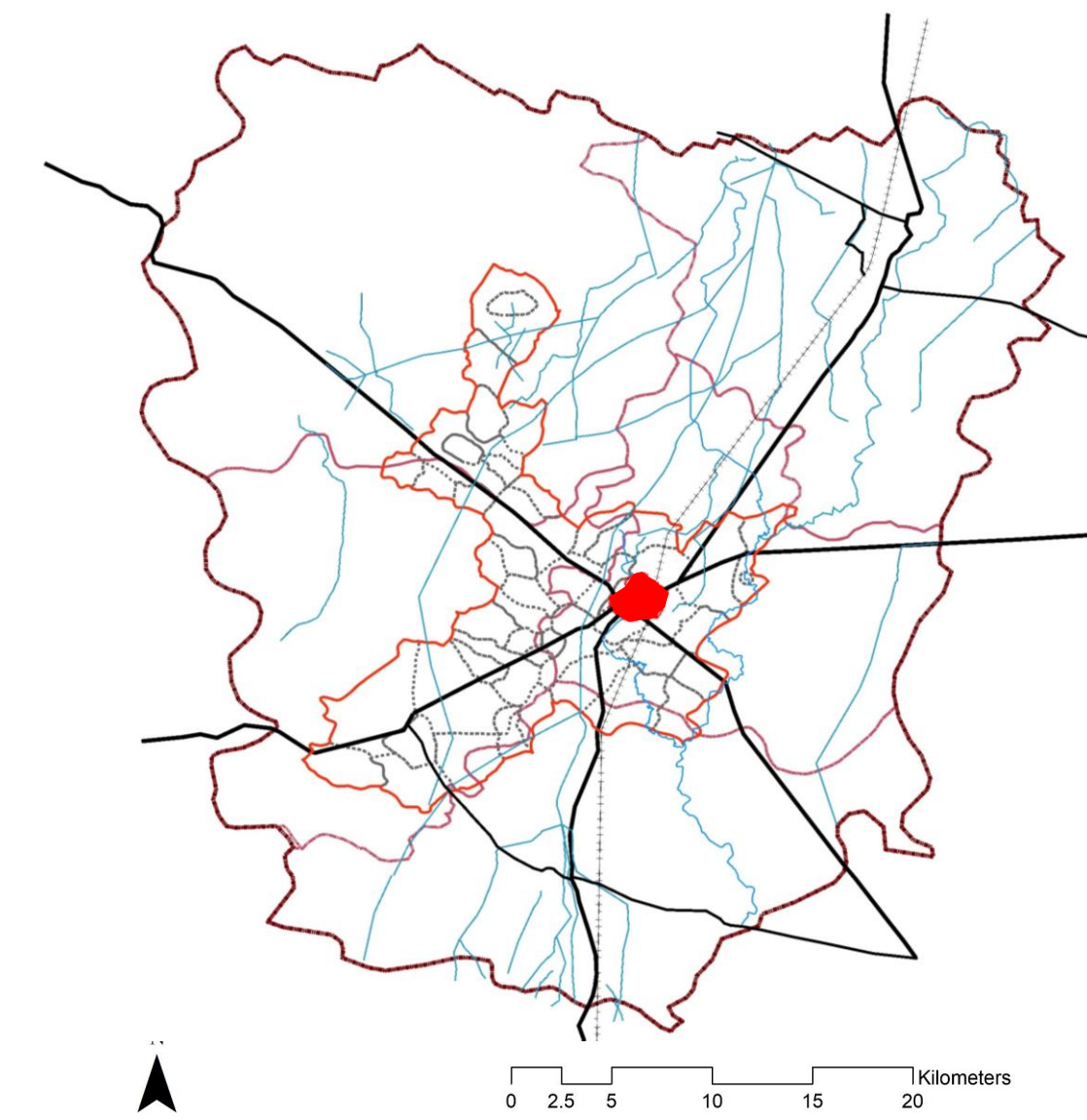
LEGEND

- Aquifer Group-I
- Clay Horizon-I
- Aquifer Group-II
- Clay Horizon-II
- Aquifer Group-III



Presence of chemical constituents but **not more than** permissible limit (e.g. EC, F, As, Fe)

Key map



Legend

Scale

Source & Note

Report on AQUIFER MAPPING AND GROUND WATER MANAGEMENT PLAN Shamli District, U.P.