

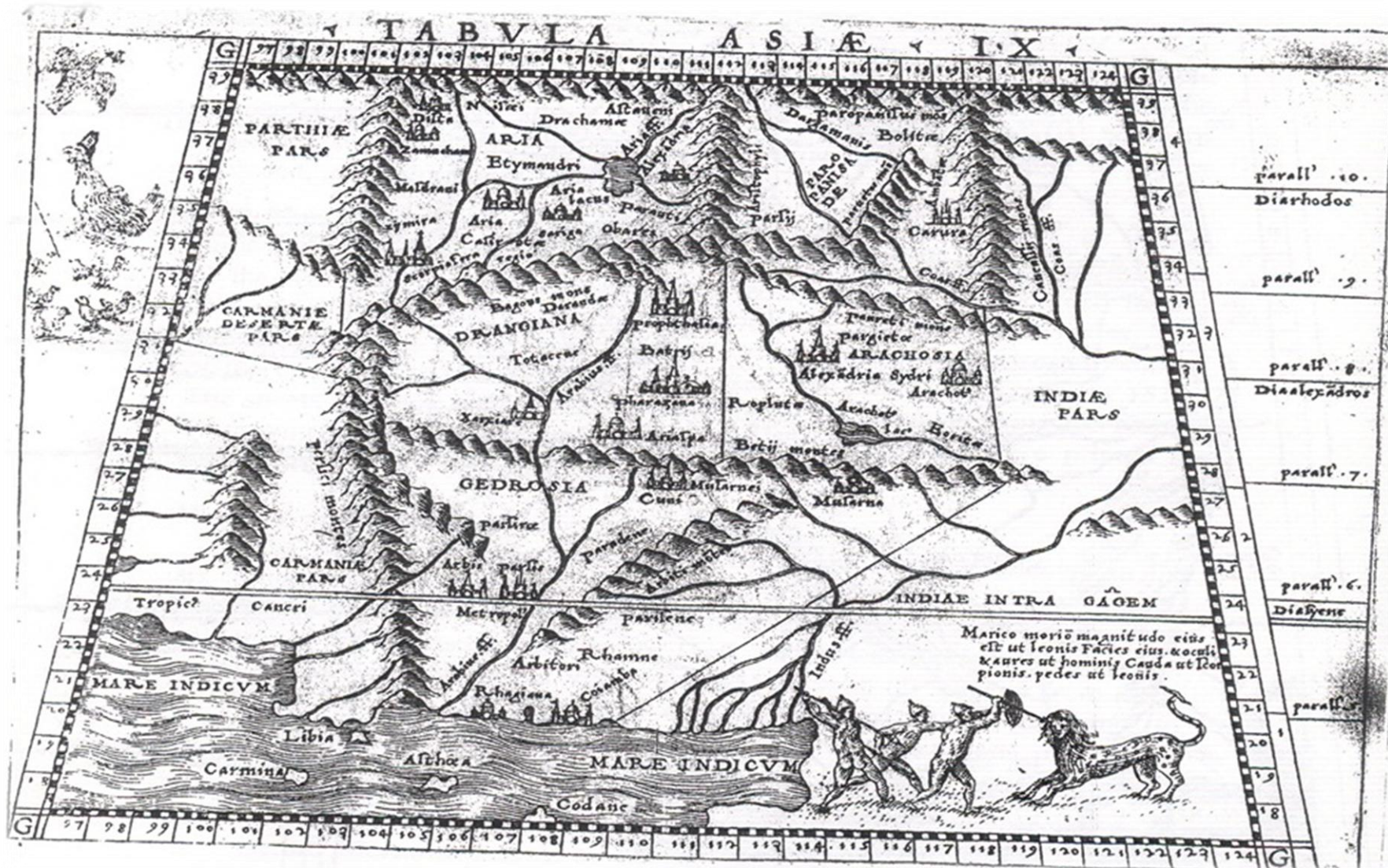


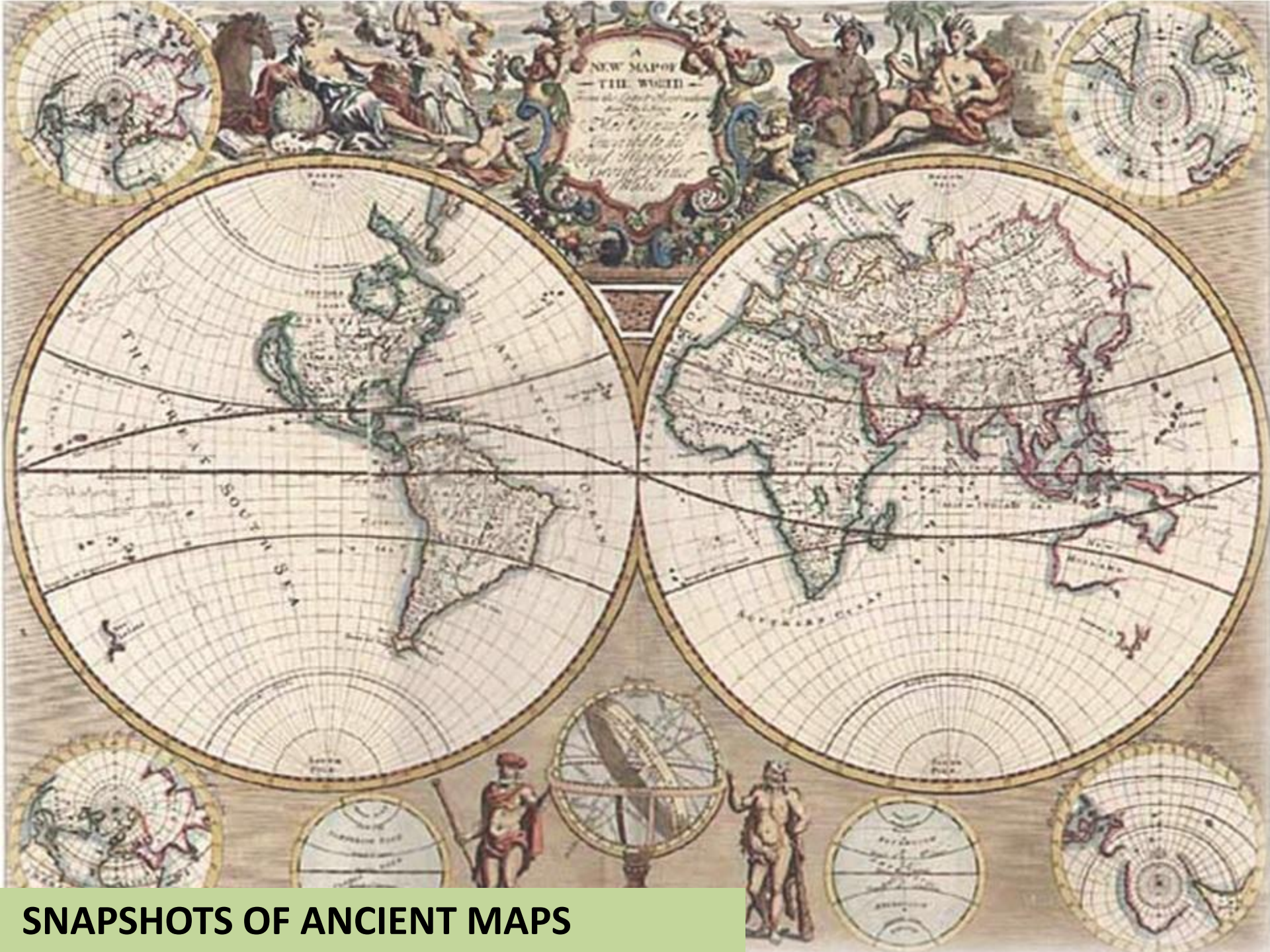
Indian Census Cartography - A Journey of 140 Years

Dr. A. P. Singh,
Deputy Registrar General

**Office of the Registrar General & Census Commissioner, India,
Ministry of Home Affairs**

The Map making has been the tradition of the nations since Centuries.

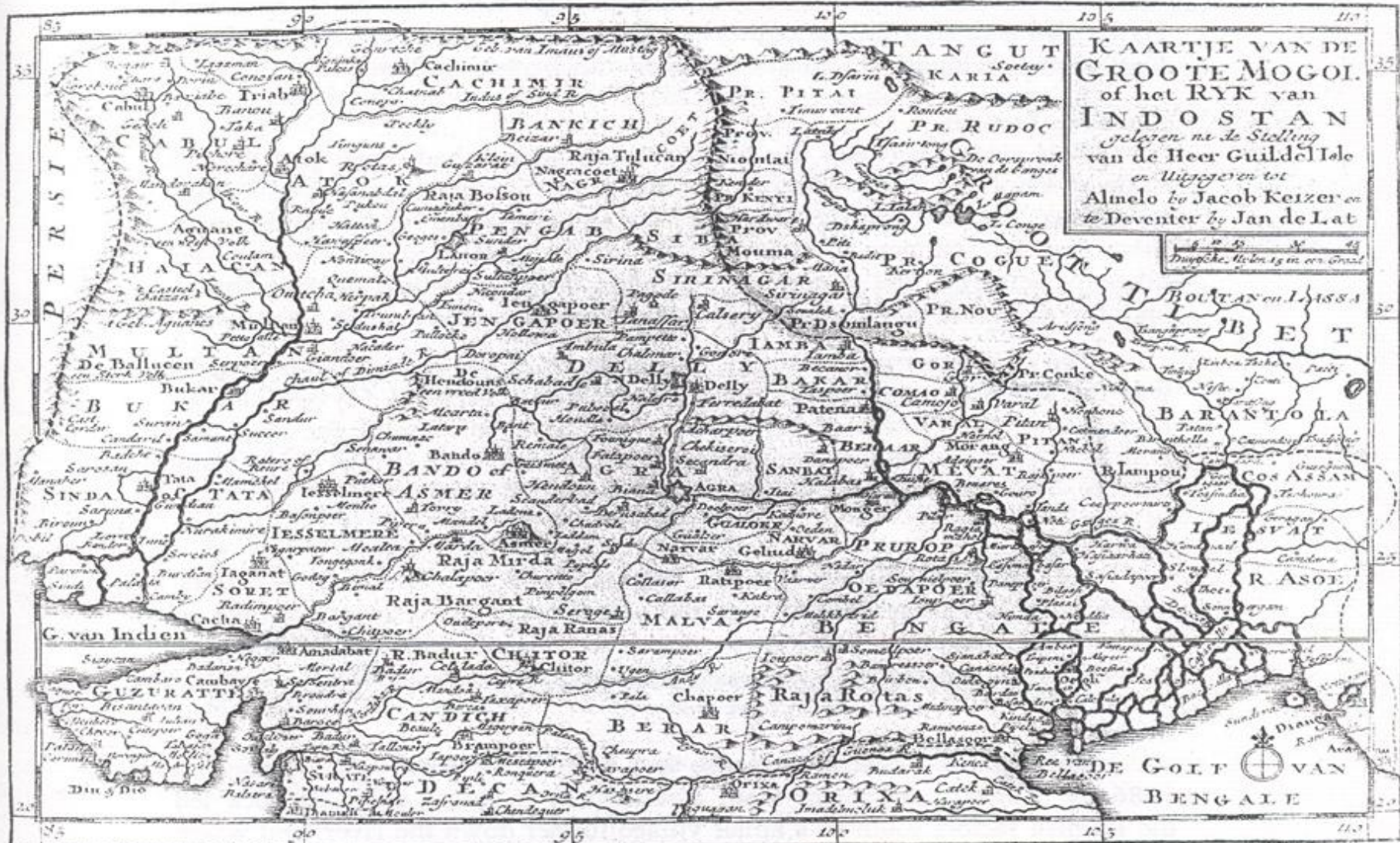


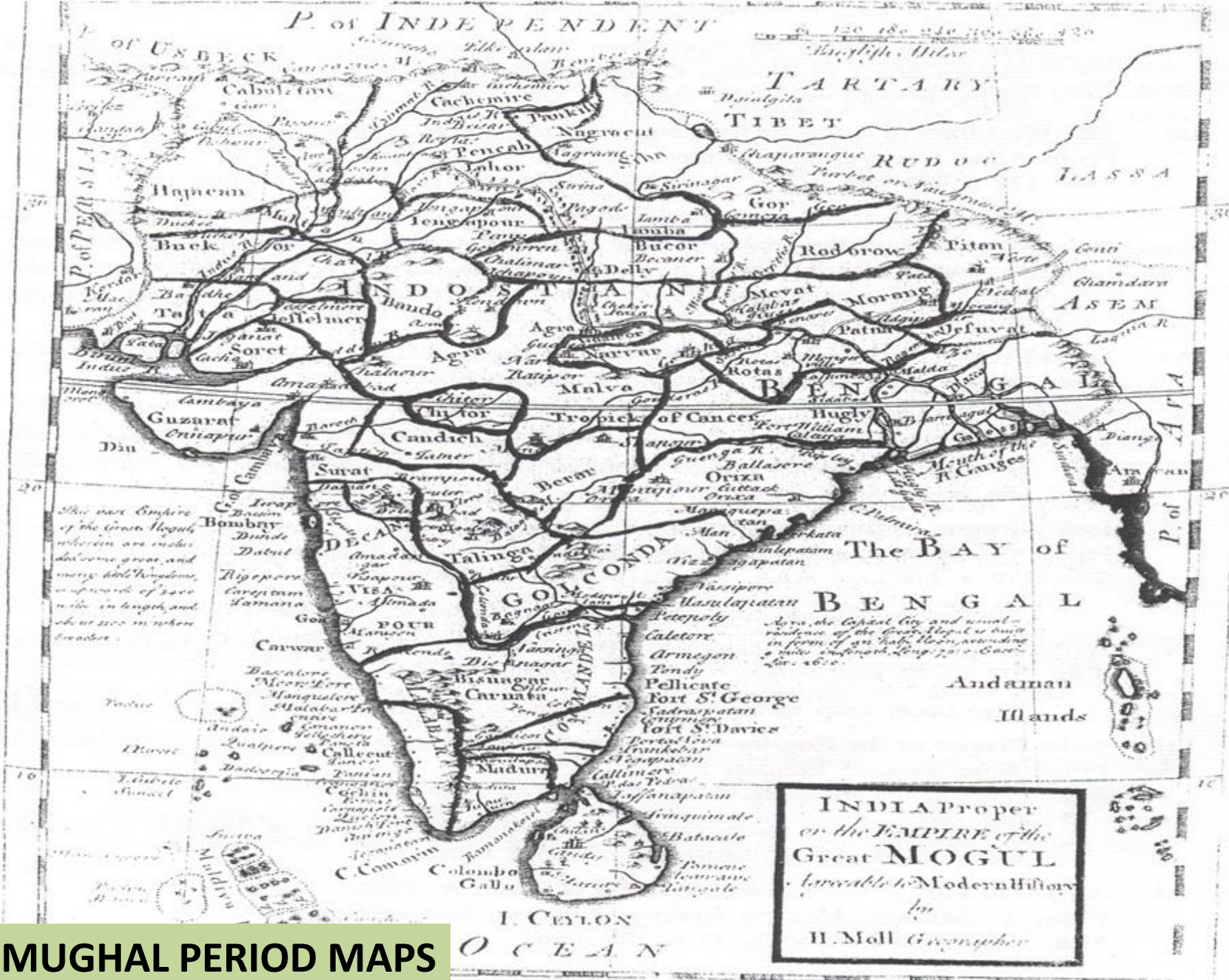


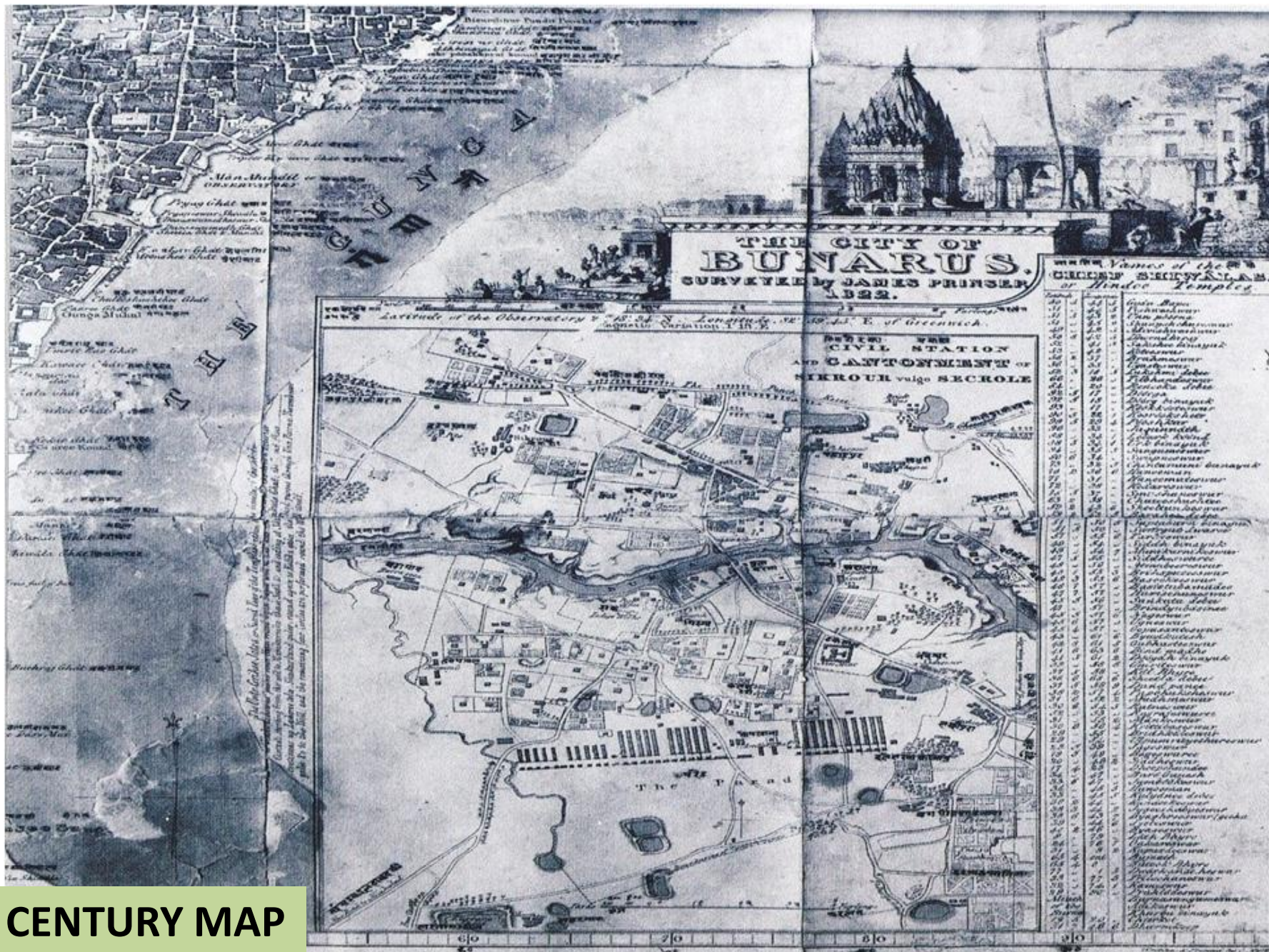
SNAPSHOTS OF ANCIENT MAPS



In India, the practice of map making continued during Mughal period.







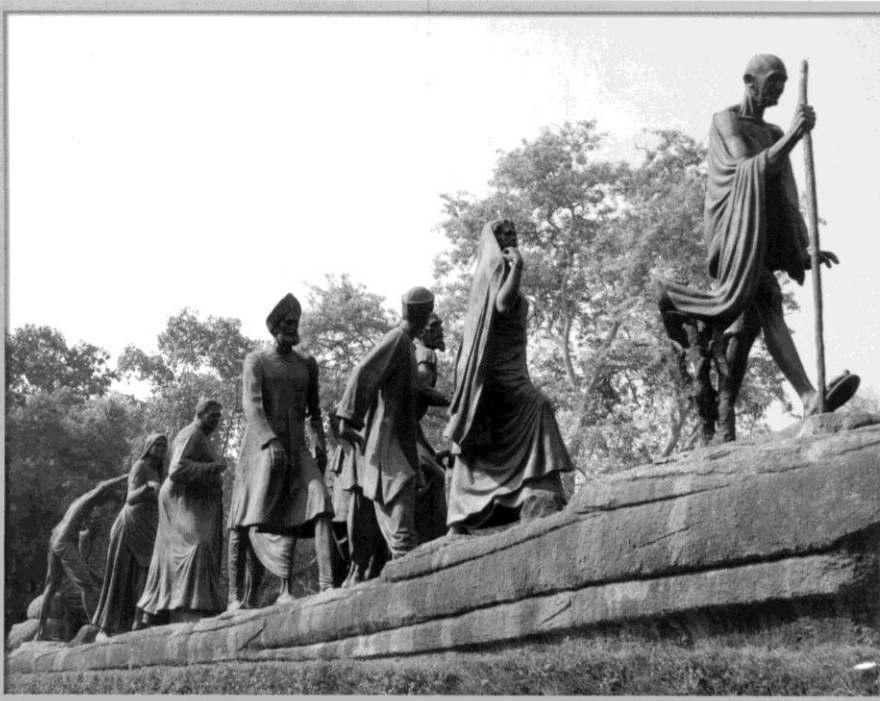
19TH CENTURY MAP

- The tradition of survey and mapping got glory during the British period starting from Major James Rennell, the first Surveyor General of Bengal in 1767.
- The maps made with conventional equipments are still as accurate as made by the modern map making technology.

INDIAN CENSUS CARTOGRAPHY

- ❖ The Indian Census has also very old history of map making which goes way back to a legacy of 140 years.
- ❖ The Cartographic acumen can be seen even in the maps published in the Census Reports of N-W provinces, Cochin, Bombay Presidency, Mysore States and Bengal in 1872.
- ❖ The thematic maps on Census had been integral part of Census Reports up to 1931.
- ❖ Thereafter, exclusive map products in the form Census handbooks and thematic Atlases were brought out.

FREEDOM MOVEMENT OF INDIA



Gandhi Ji Wrote..

“My loyalty has triumphed and I am clear that we must co-operate with the Government in the matter of the Census. I am convinced that it strengthens our cause....

Chapter – 6
SATYAGRAHA, PROTESTS & NON-COOPERATION
(1917-1924)

1881-2011



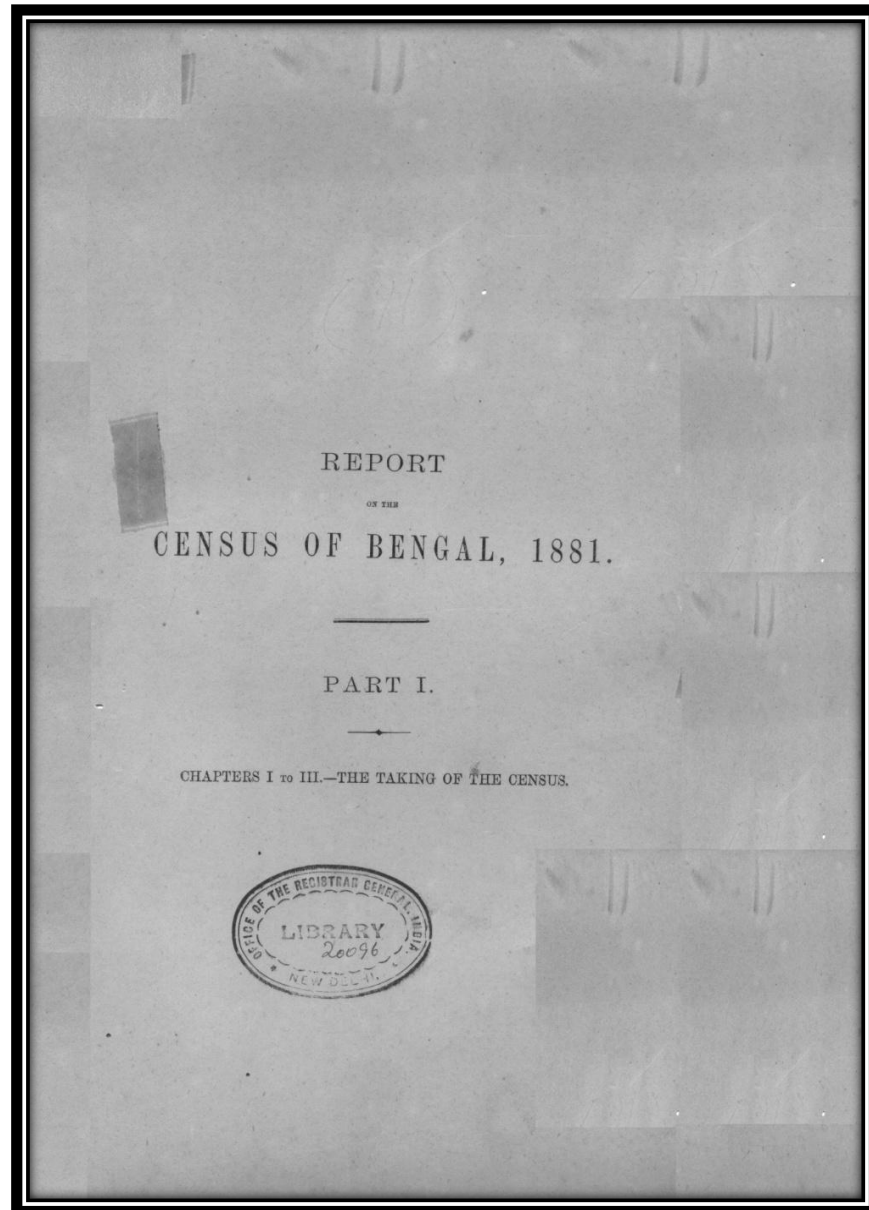
LEADERS OF THE TIME

CENSUS COMMISSIONER, INDIA

1881	W.C PLOWDEN	I.C.S.
1891	J. A. BAINES	I.C.S.
1901	H. H. RISLEY	I.C.S.
	E. A. GAIT	I.C.S.
1911	E. A. GAIT	I.C.S.
1921	J. T. MARTEN	I.C.S.
1931	J. H. HUTTON	I.C.S.
1941	M. W. M. YEATTS	I.C.S.

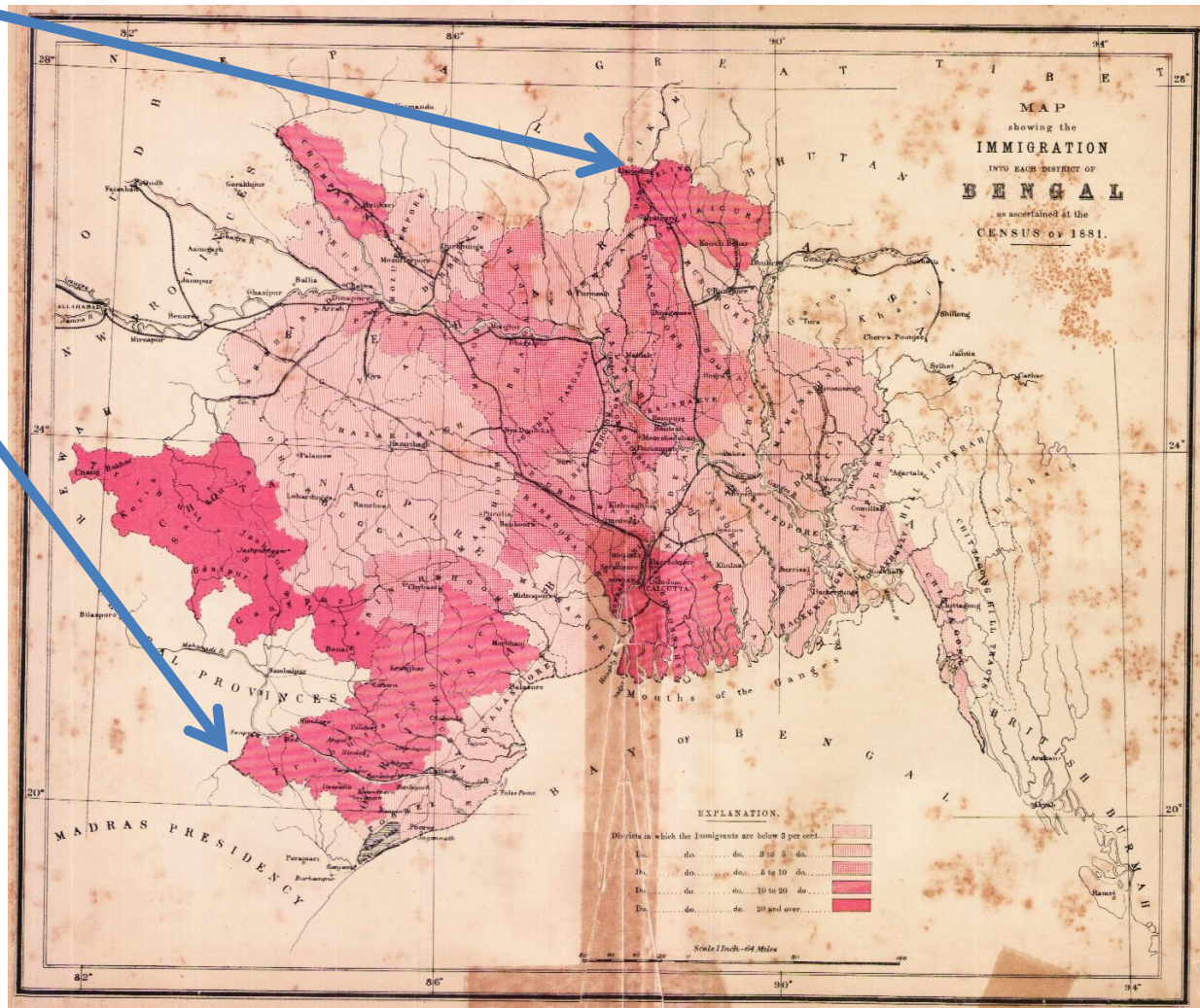
REGISTRAR GENERAL & CENSUS COMMISSIONER, INDIA

M. W. M. YEATTS	I.C.S.	MAY 1949 - 2.7.1949
R. A. GOPALASWAMY	I.C.S.	NOV 1949 - AUG 1953
ASHOK MITRA	I.C.S.	21.7.1958 - 24.6.1968
A. CHANDRA SEKCHAR	I.A.S.	24.6.1968 - 19.12.1973
R. B. CHARI	I.A.S.	19.12.1973 - 7.10.1977
P. PADMANABHA	I.A.S.	10.10.1977 - 9.10.1983
V. S. VERMA	I.A.S.	5.12.1983 - 31.5.1989
A. R. NANDA	I.A.S.	8.9.1989 - 23.9. 1994
DR. M. VIJAYANUNNI	I.A.S.	19.10.1994 - 31.8.1999
JAYANT KUMAR BANTHIA	I.A.S.	1.9.1999 - 4.10.2004
DEVENDER KUMAR SIKRI	I.A.S.	5.10.2004 - 3.11.2009
DR. C. CHANDRAMOULI	I.A.S.	3.11.2009-



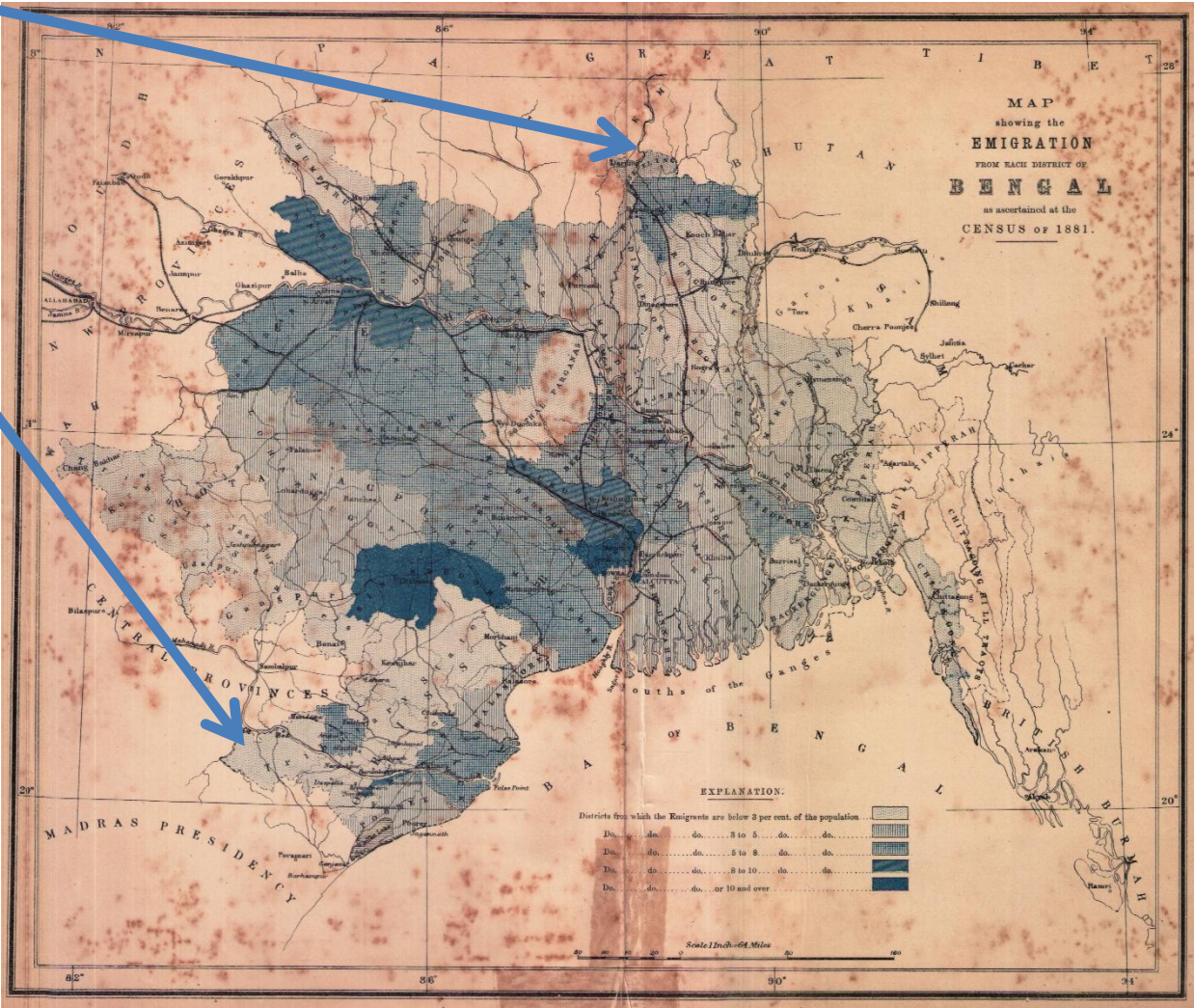


IMMIGRATION 1881

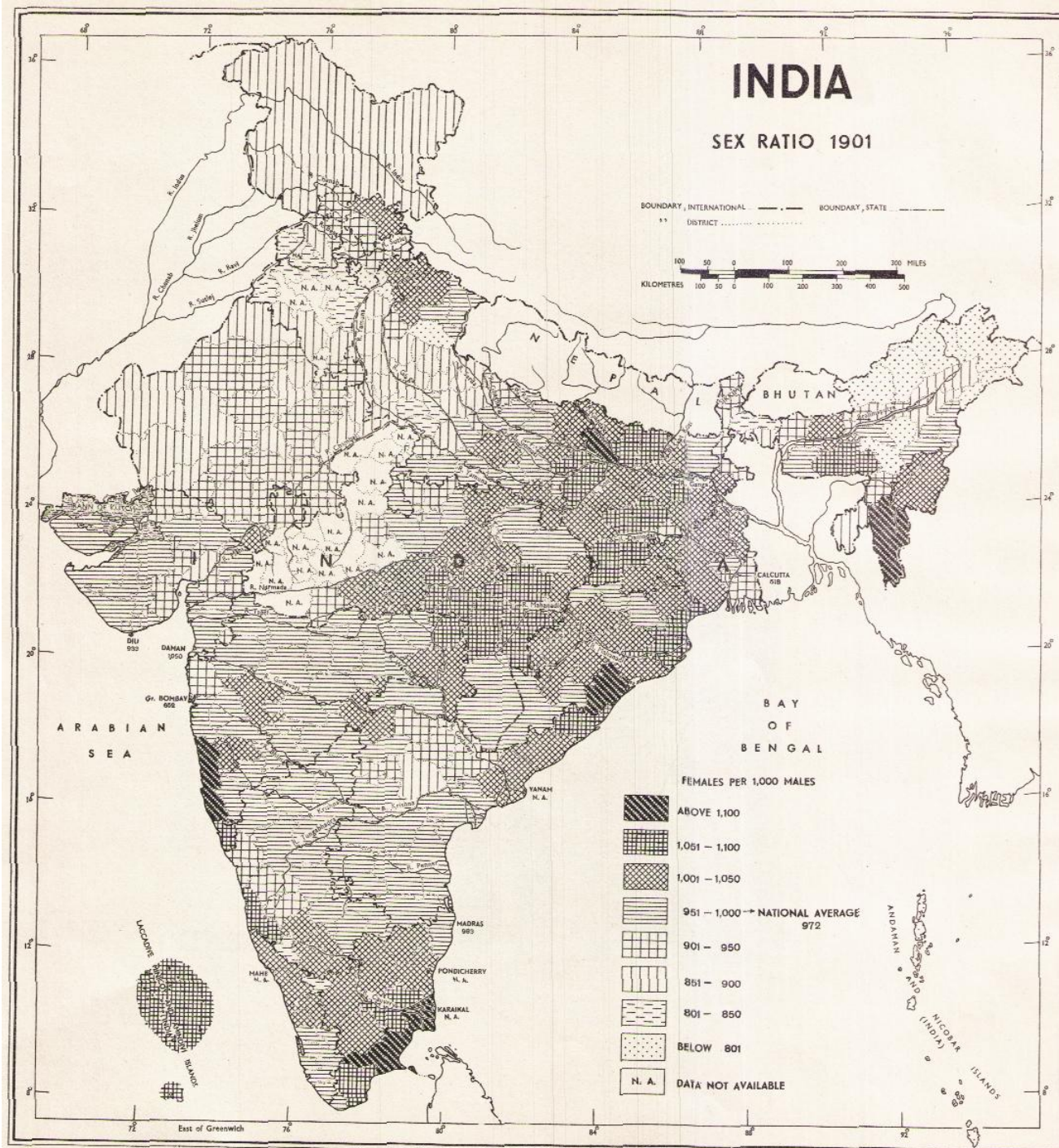




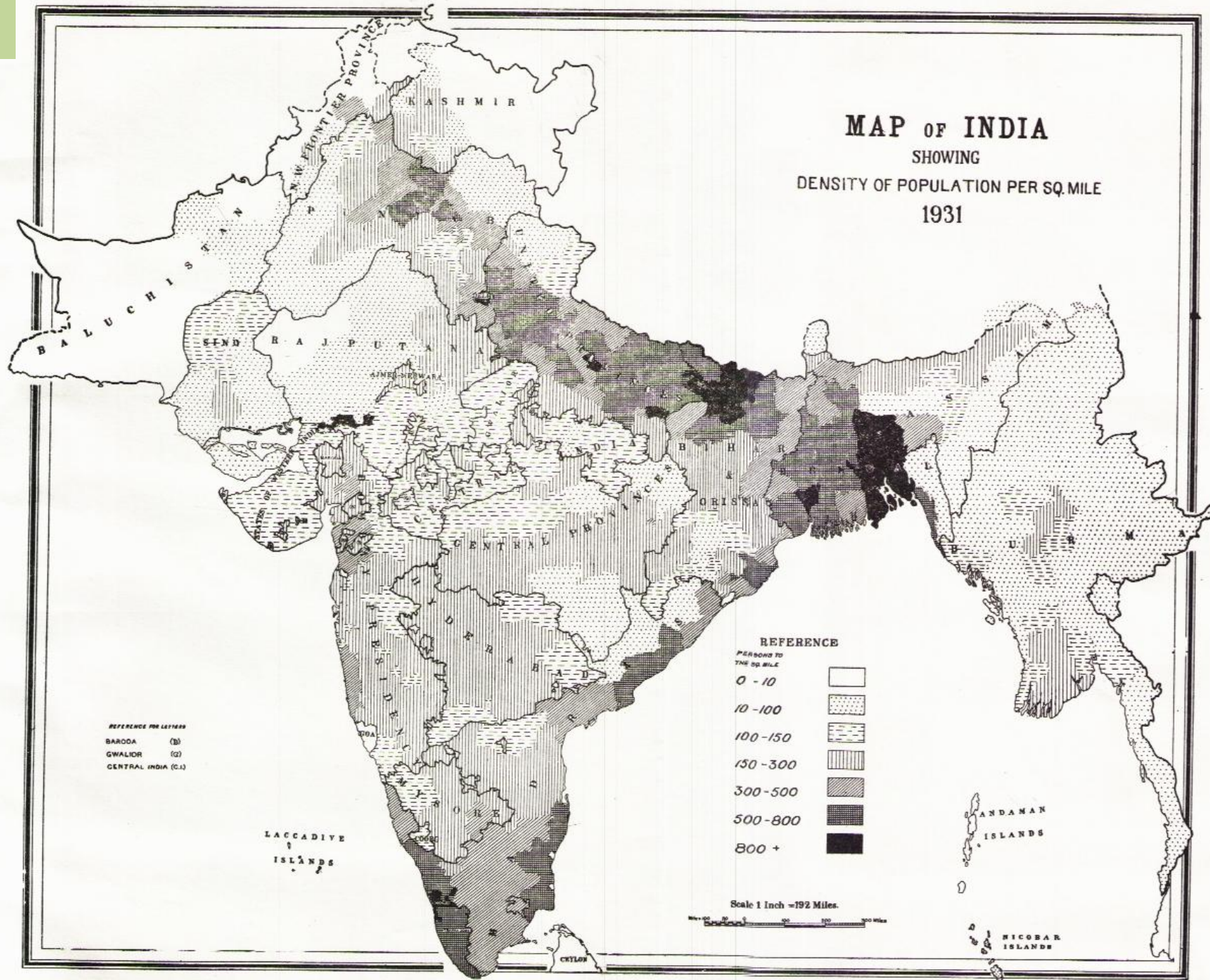
EMIGRATION 1881



1901



1931



RELATIVE POPULATION OF DIFFERENT COMMUNITIES 1931



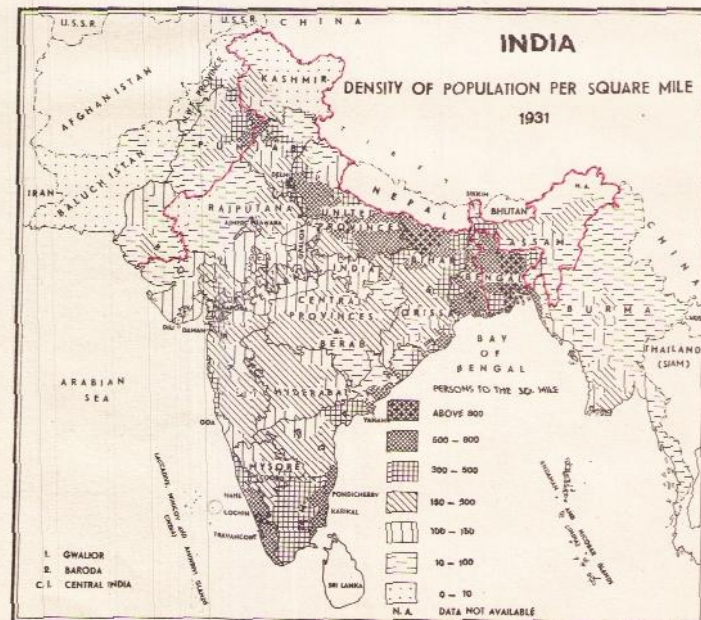
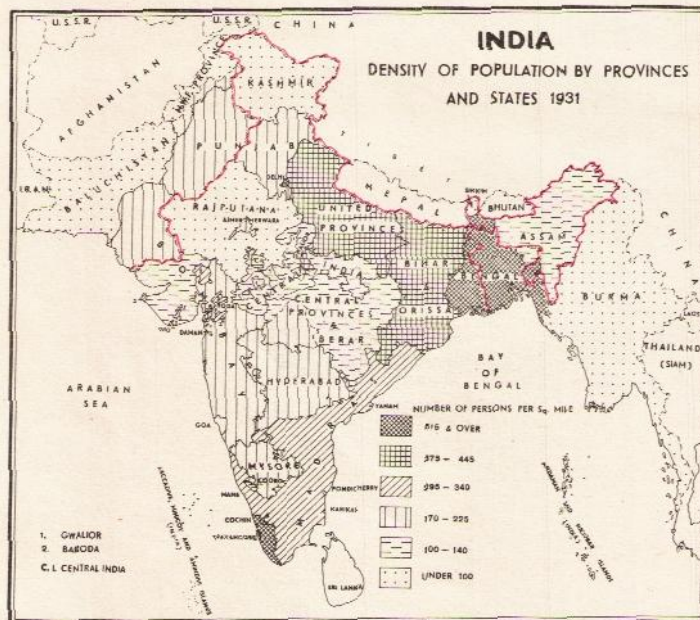
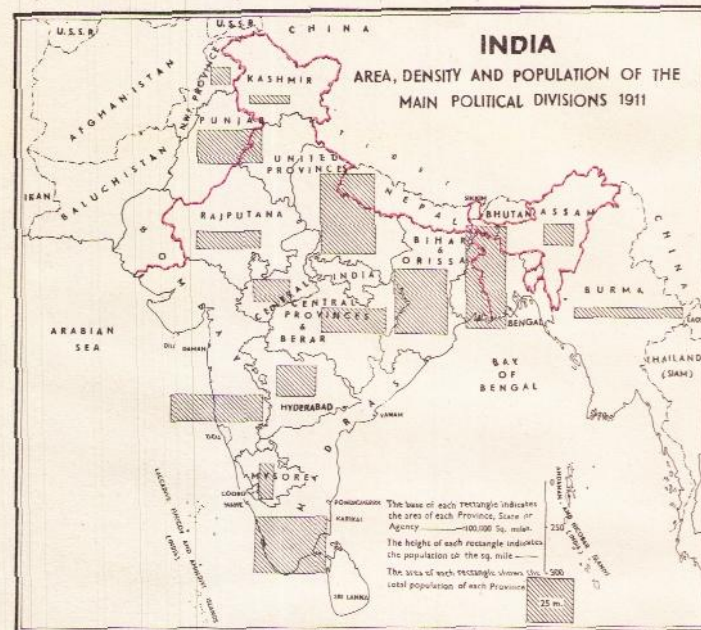
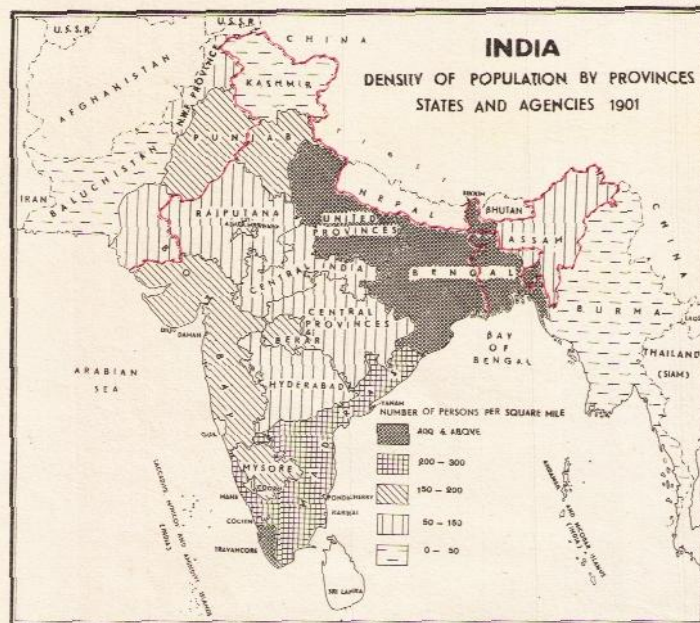
CENSUS OF INDIA 1931

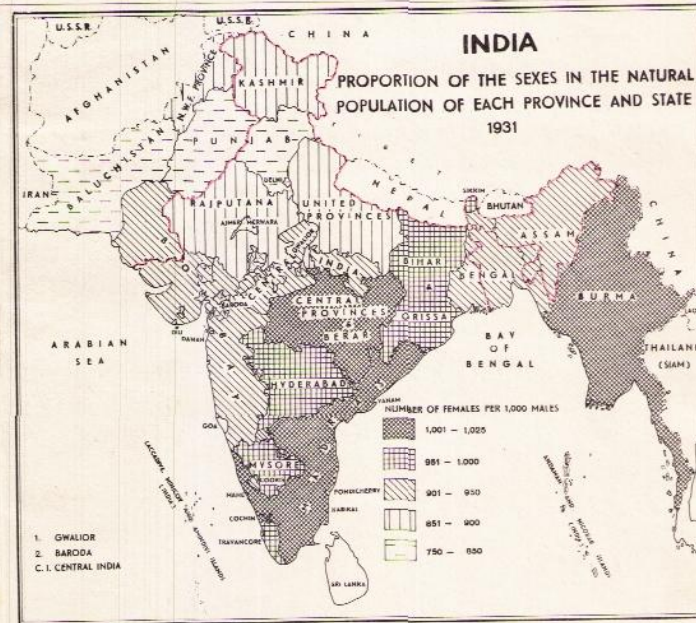
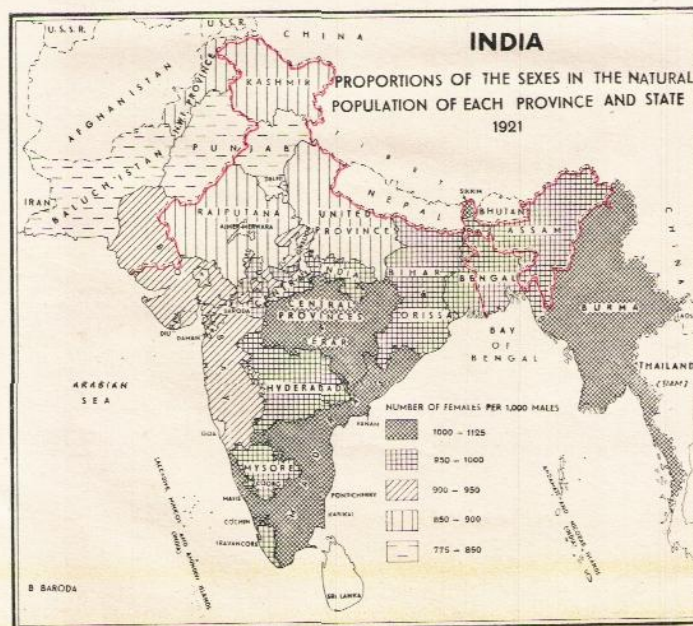
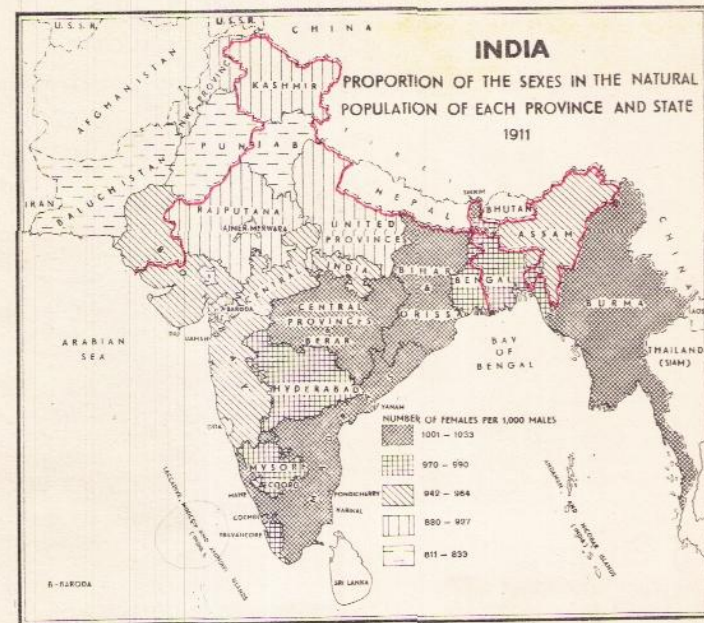
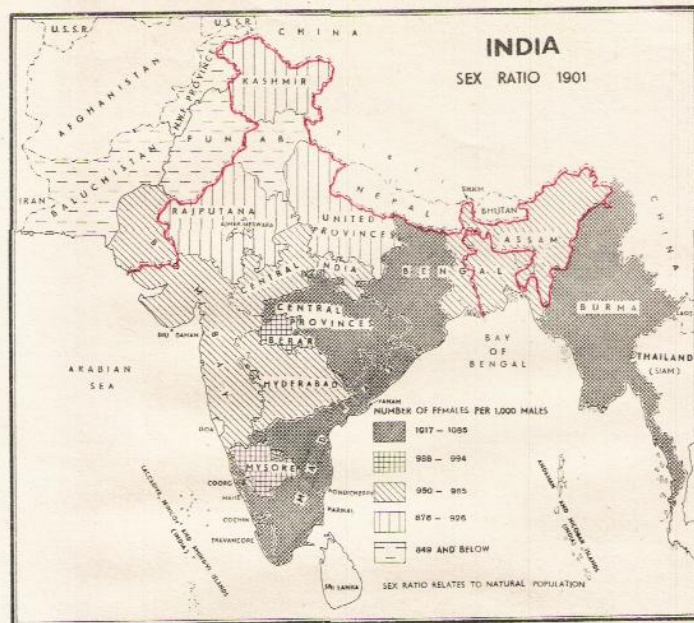
WITH COMPLETE
SURVEY OF TRIBAL LIFE
AND SYSTEM



1901 - 1931

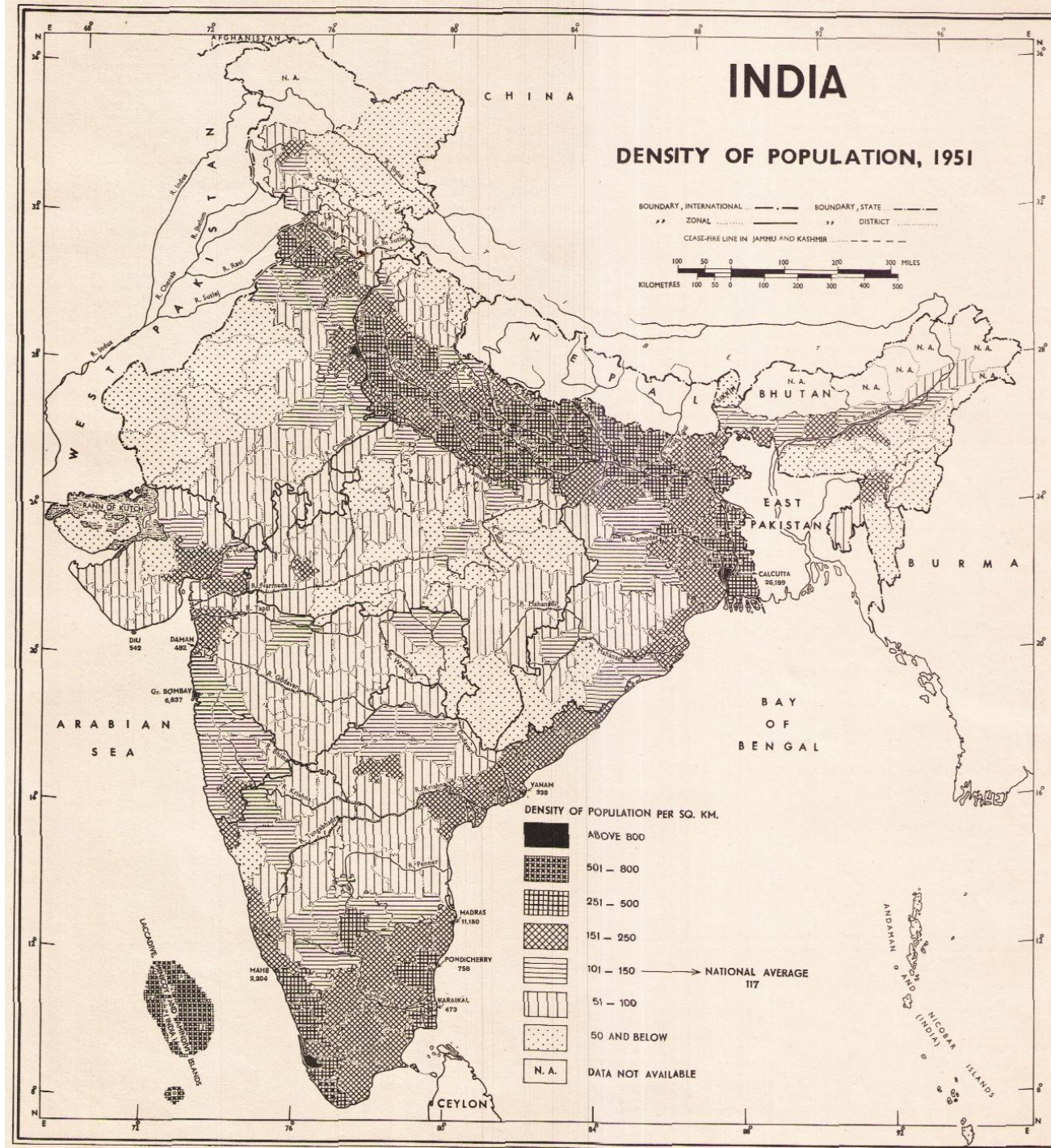
DENSITY OF POPULATION



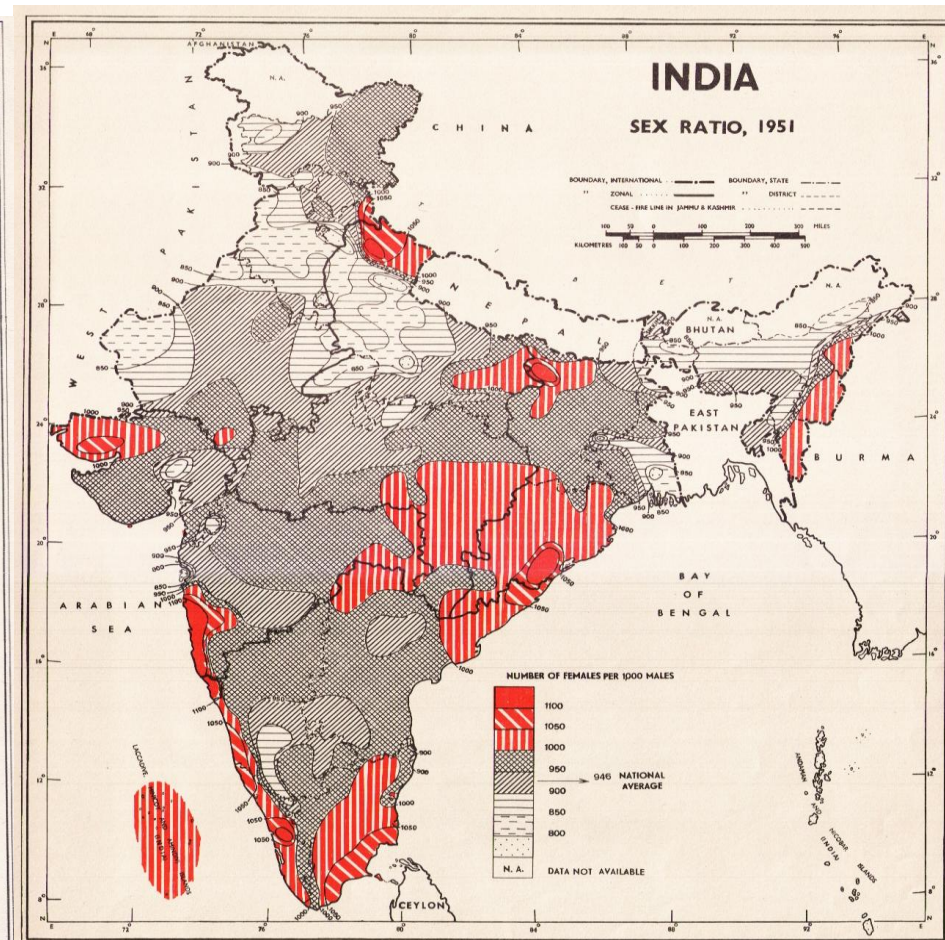
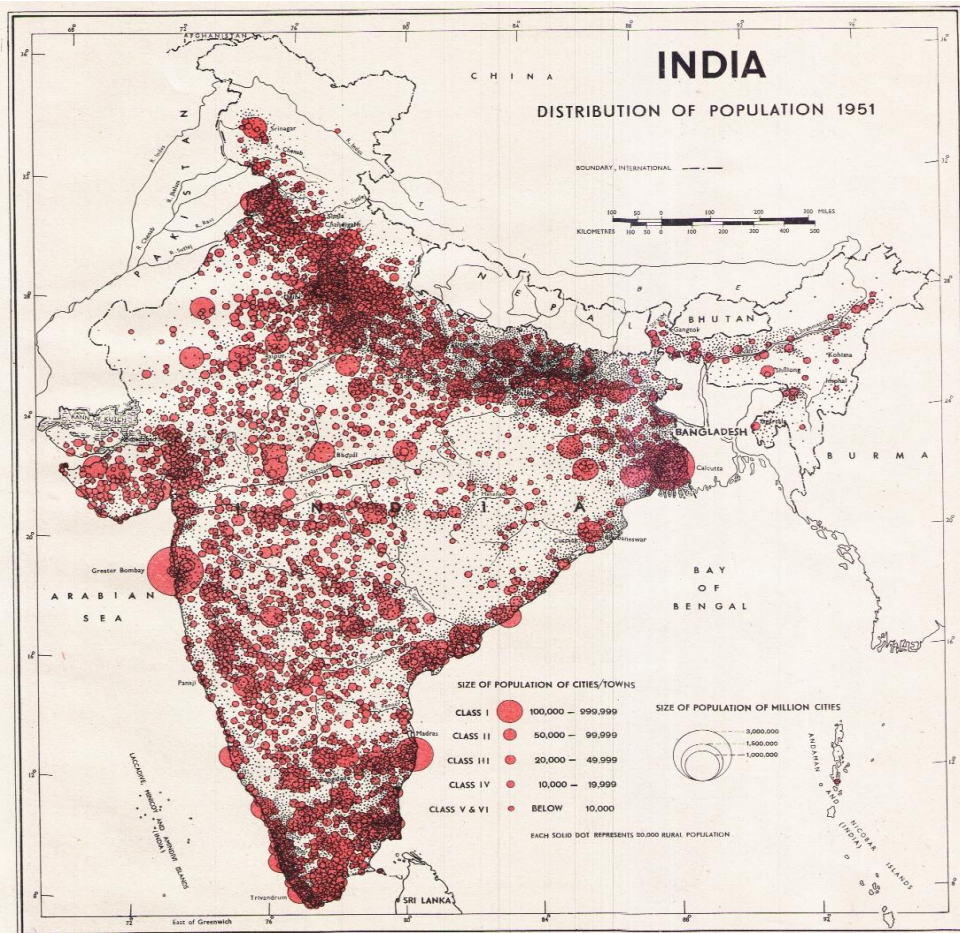


1951

The Leroy Sets in seventies and finally Scribing technology during Census 1981 was adopted.

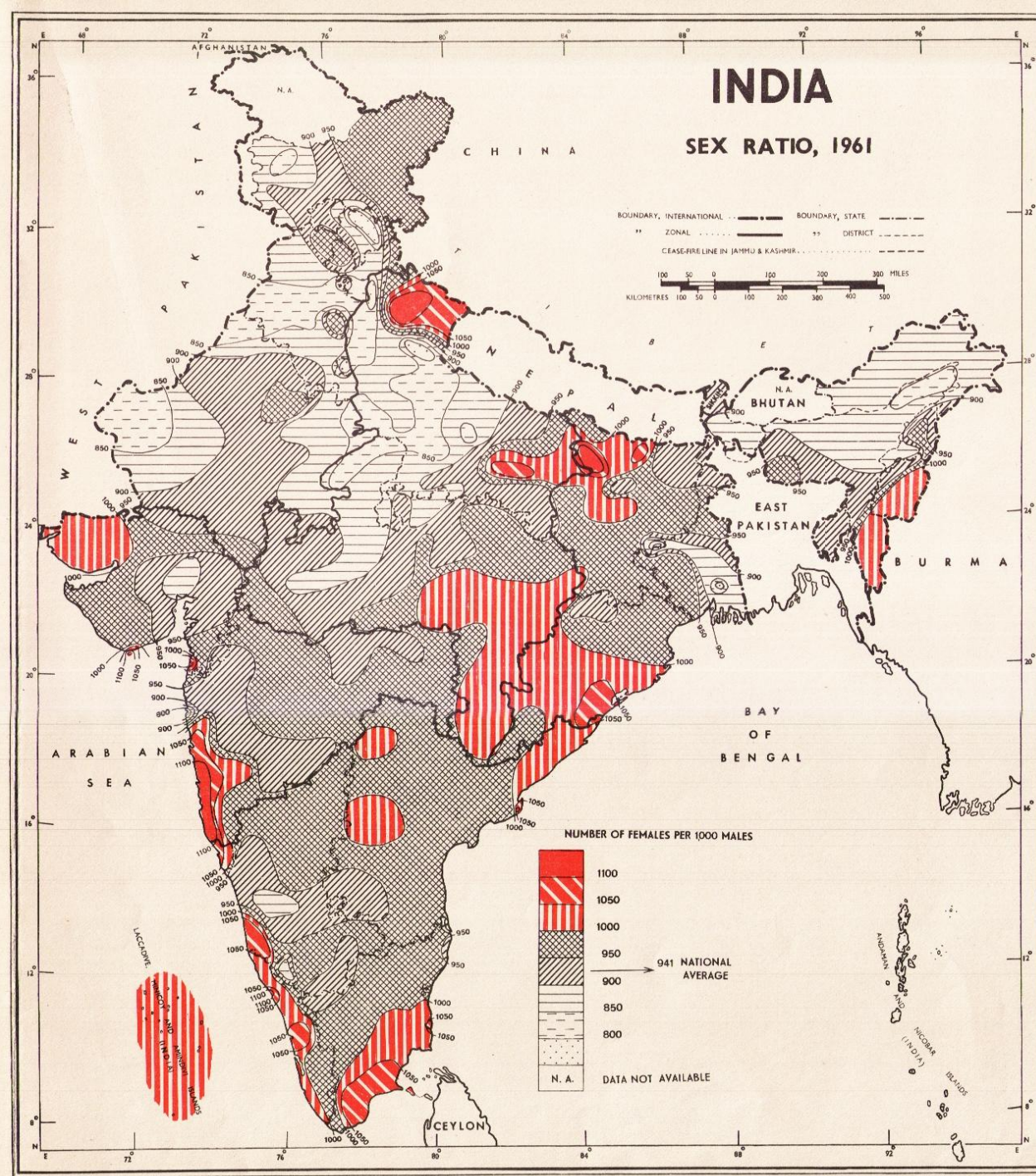


1951

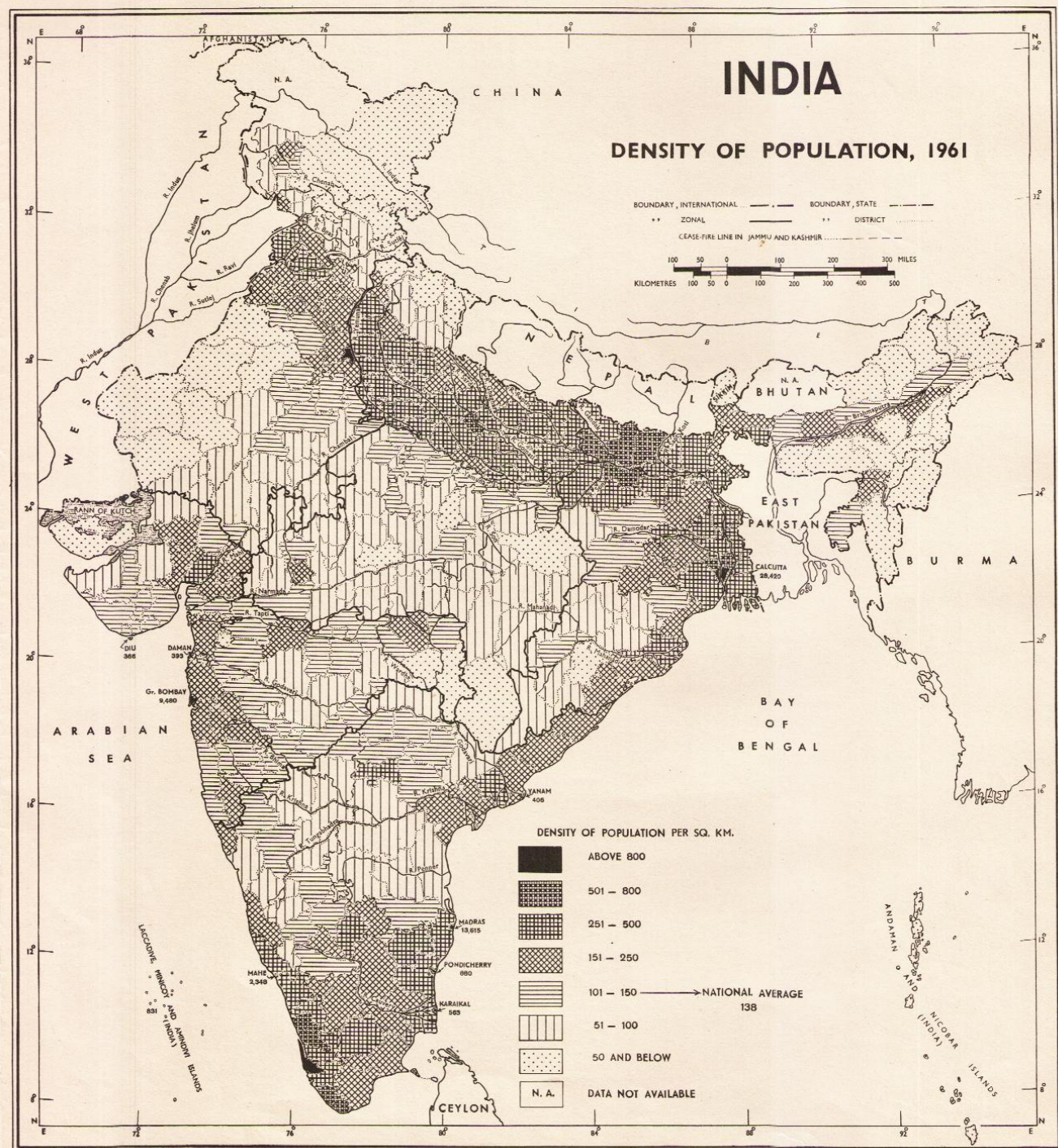


1961

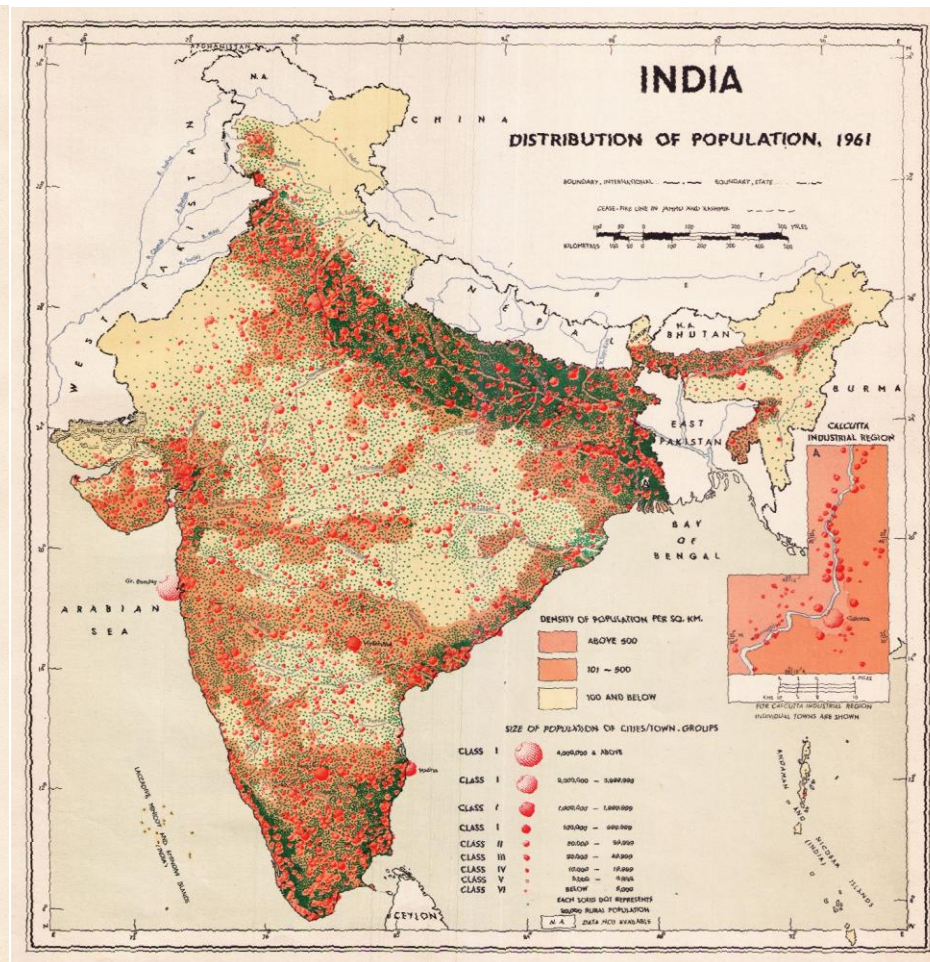
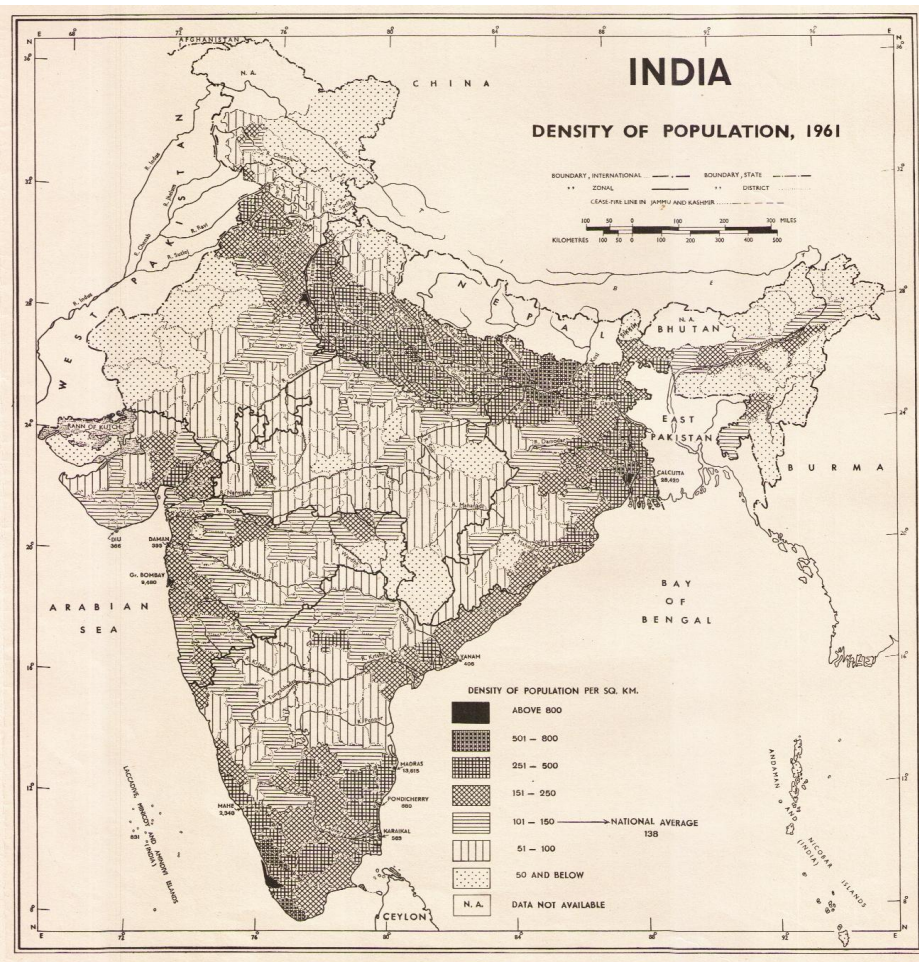
- Census Atlas-1961 was published as an exclusive map product of the ORGI.
- This year was treated as milestone in the History of Census Cartography.



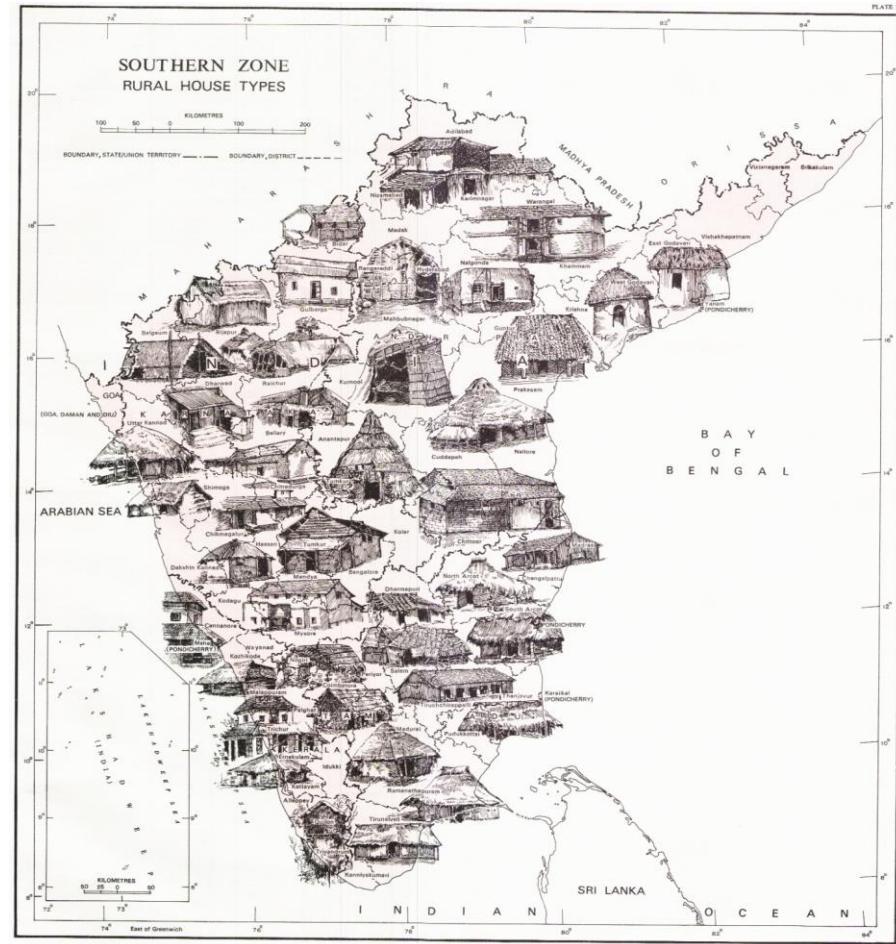
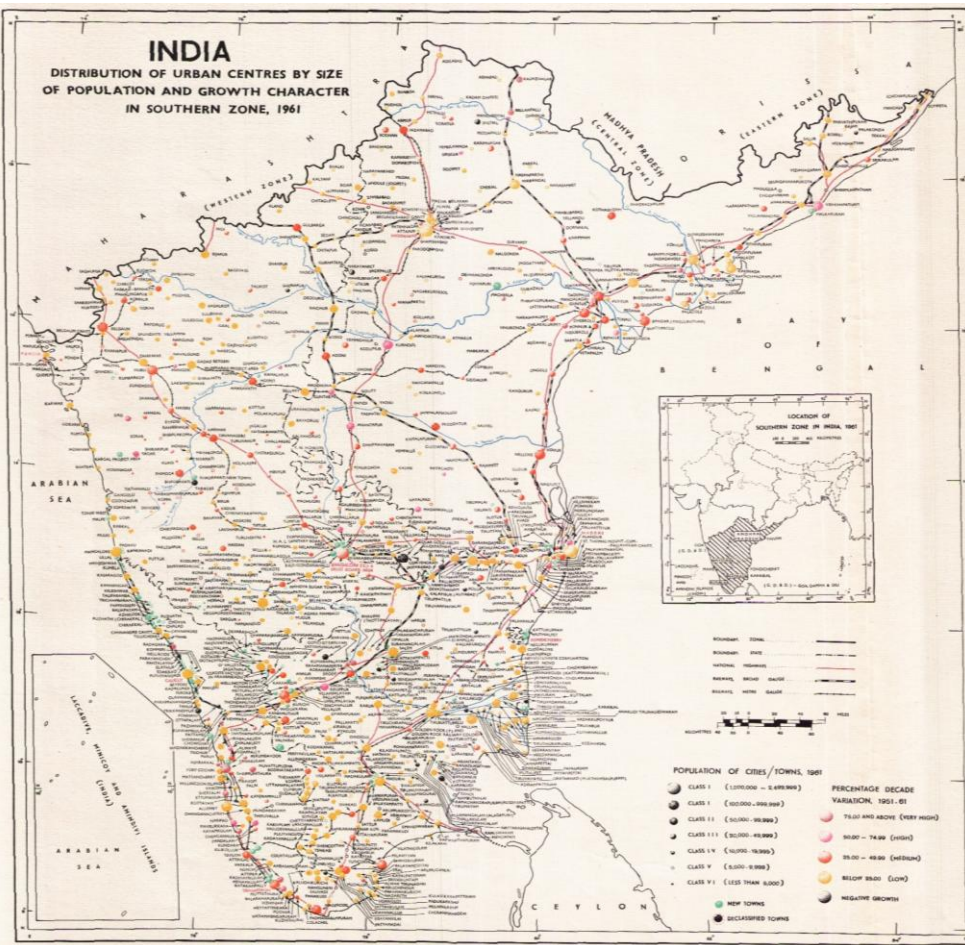
1961



1961

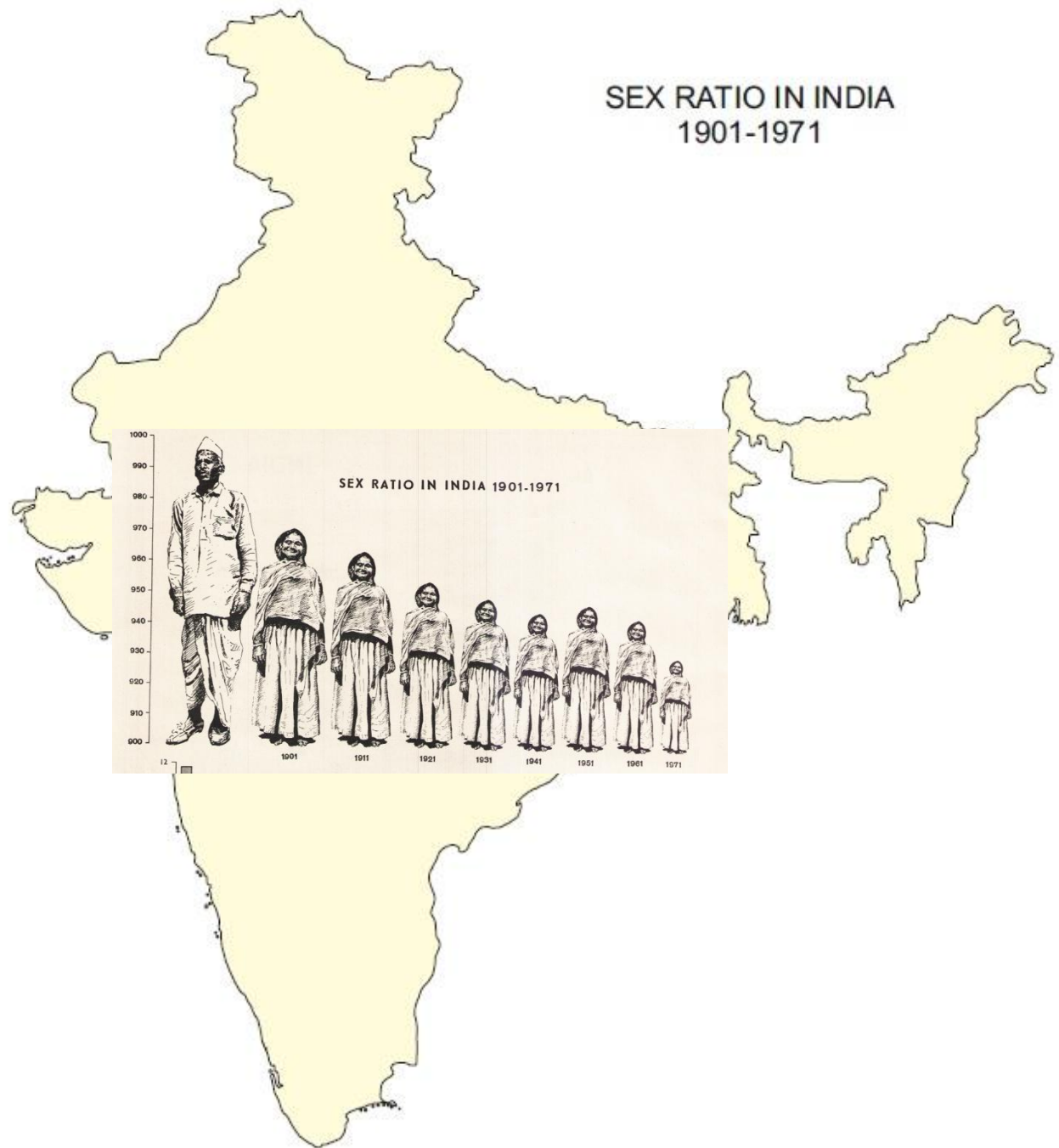


1961



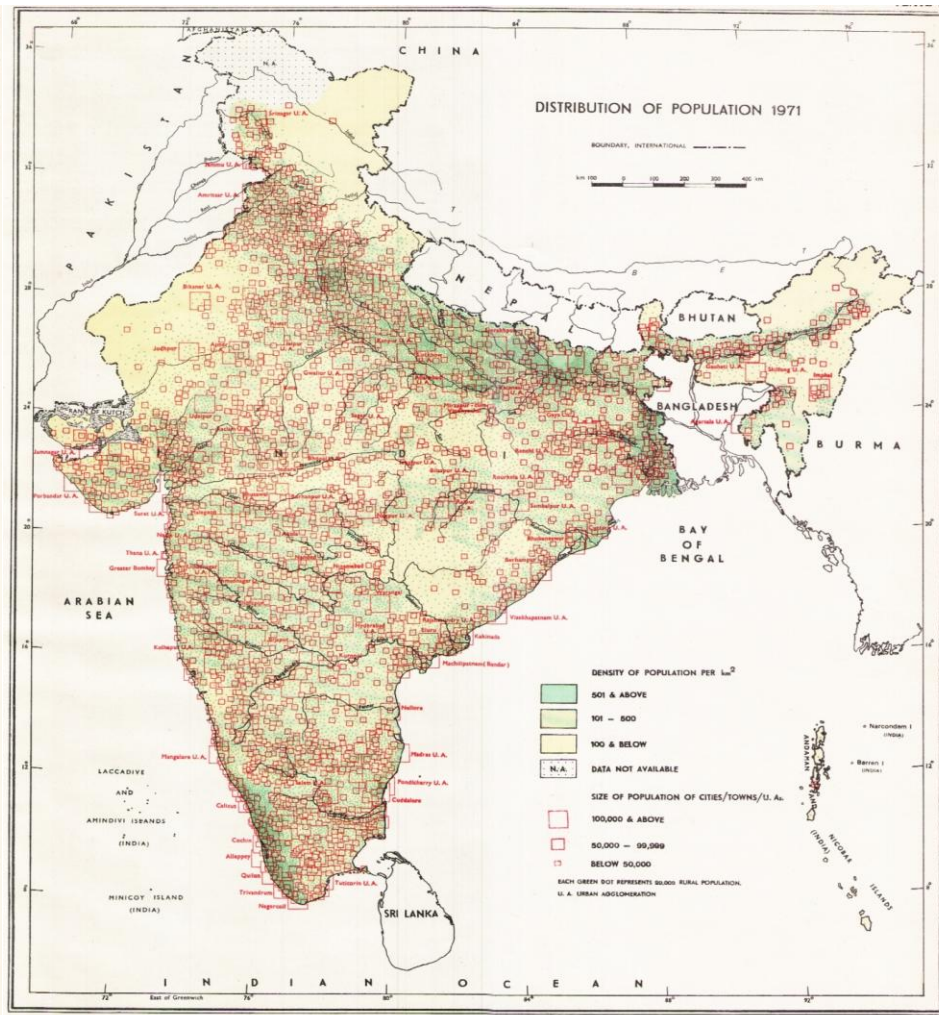
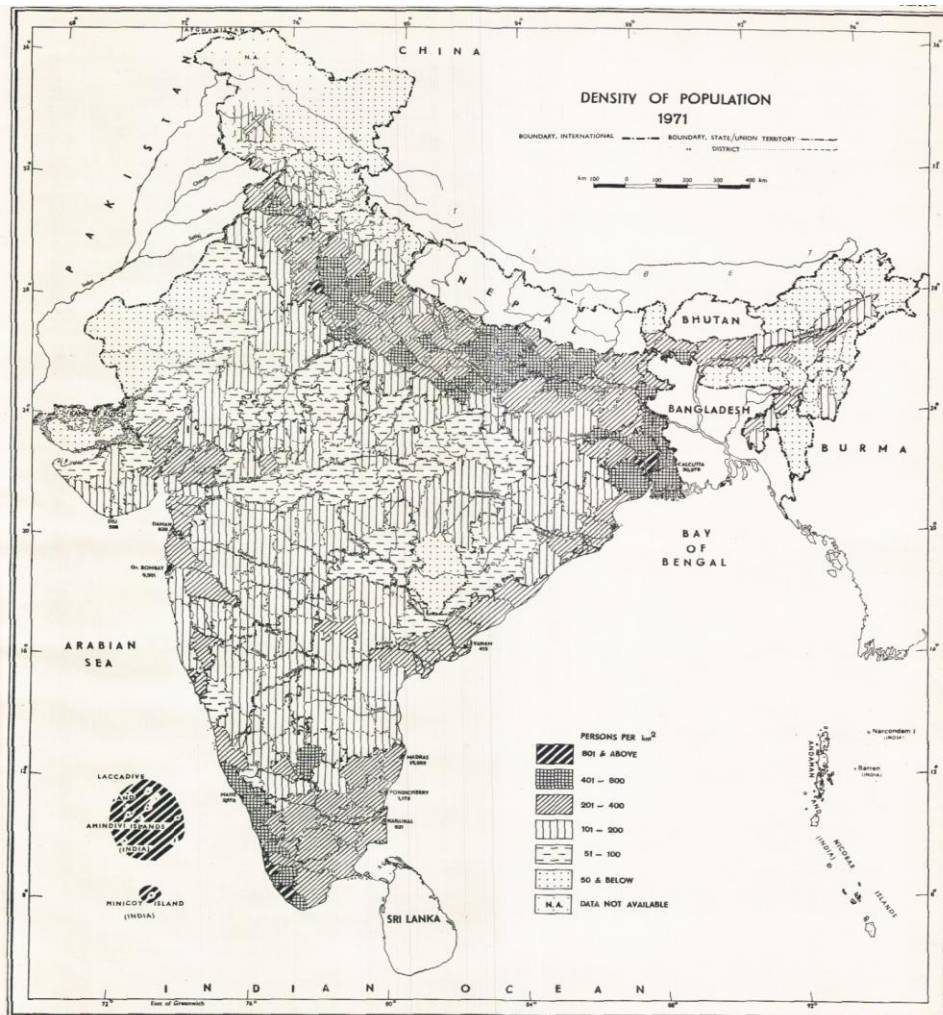
1901-1971

SEX RATIO IN INDIA 1901-1971

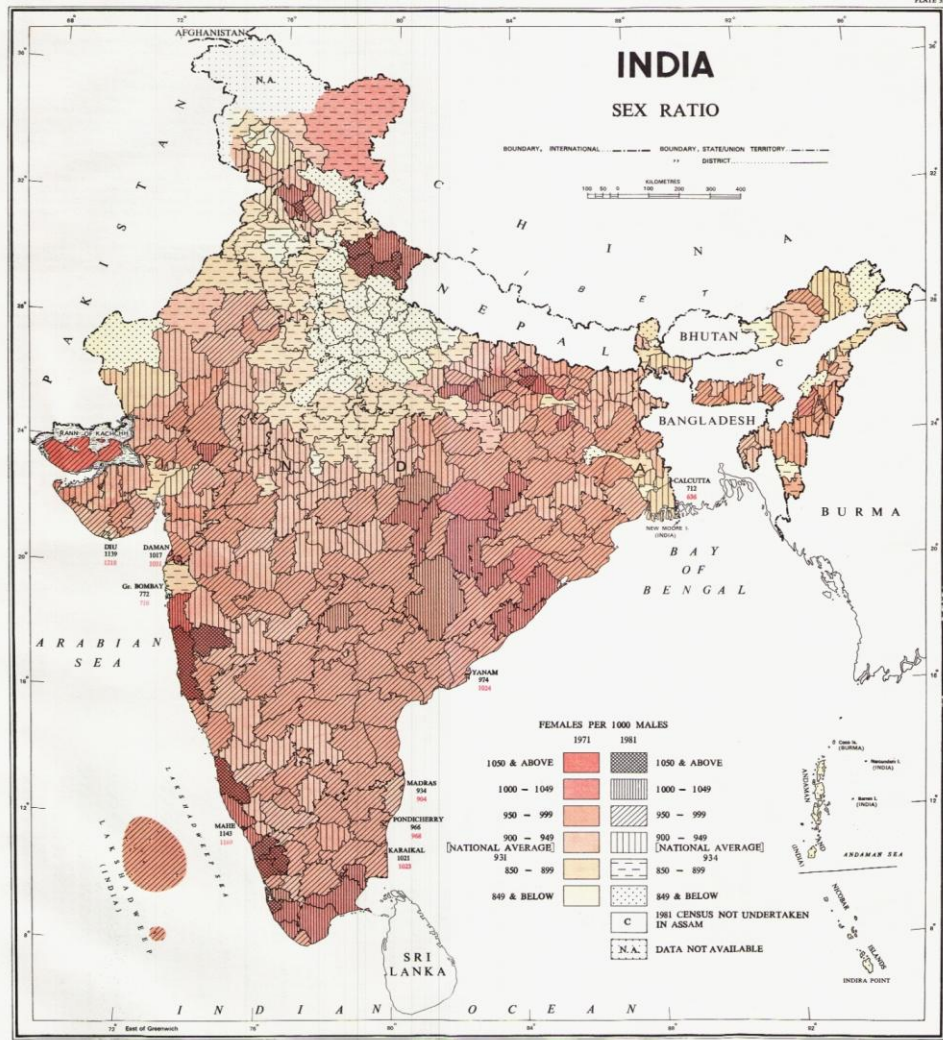
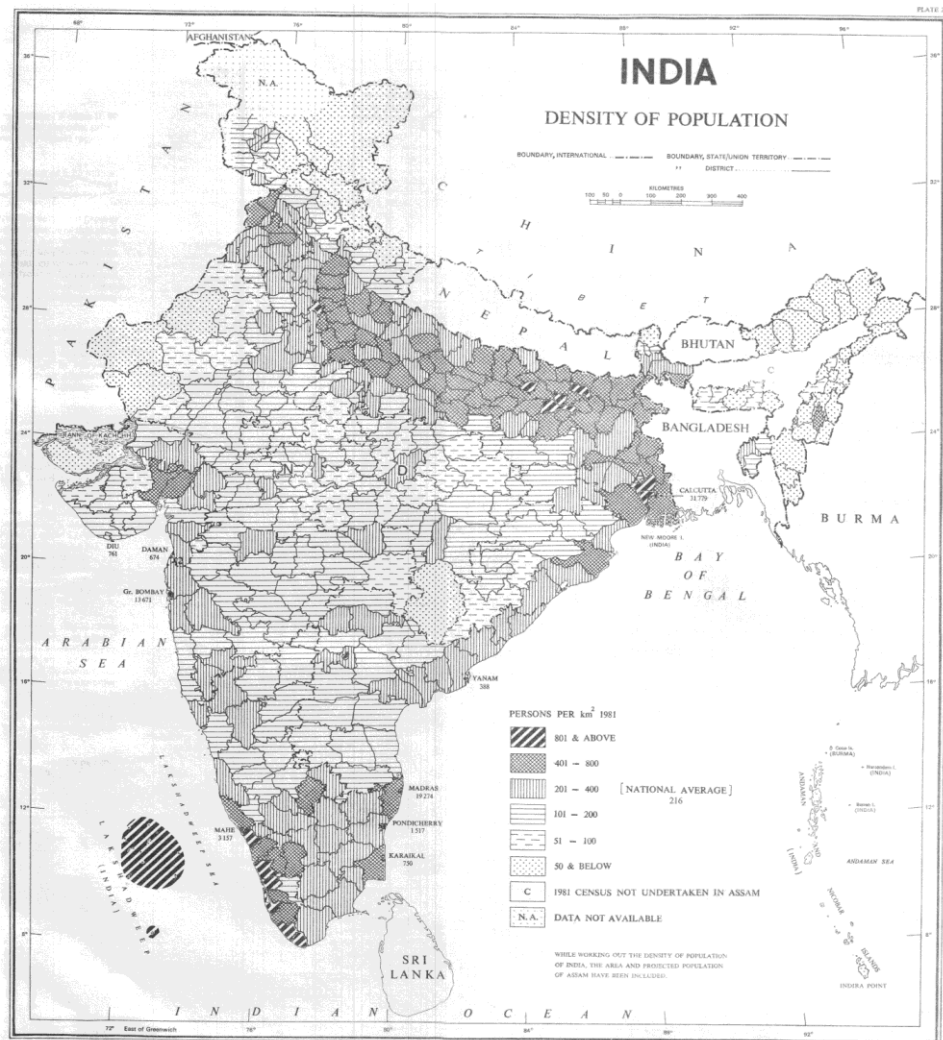


1971

The tradition of publishing the Census Atlas of India continued in subsequent Decades i.e. 1971-1981.



1981



Traditional Manual Cartography

1961



1971



1981

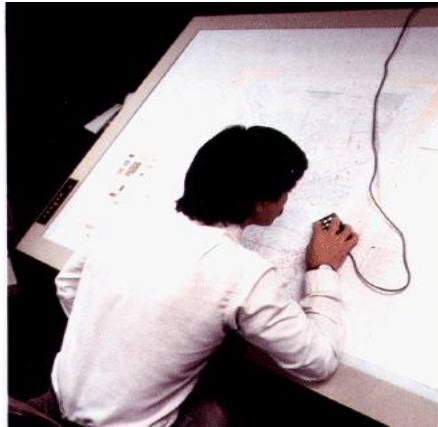


Technological Advancement in Census Cartography

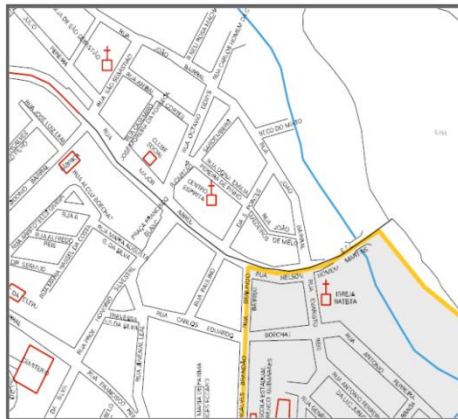
Up to 1991



2001



2011



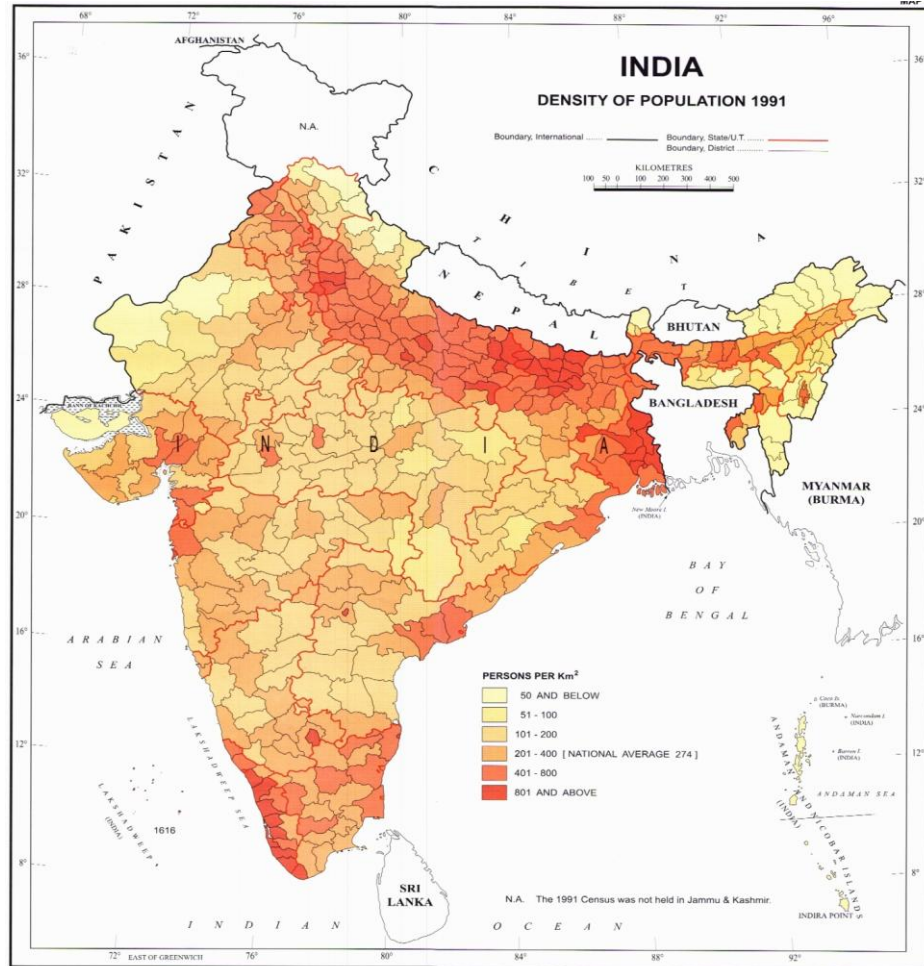
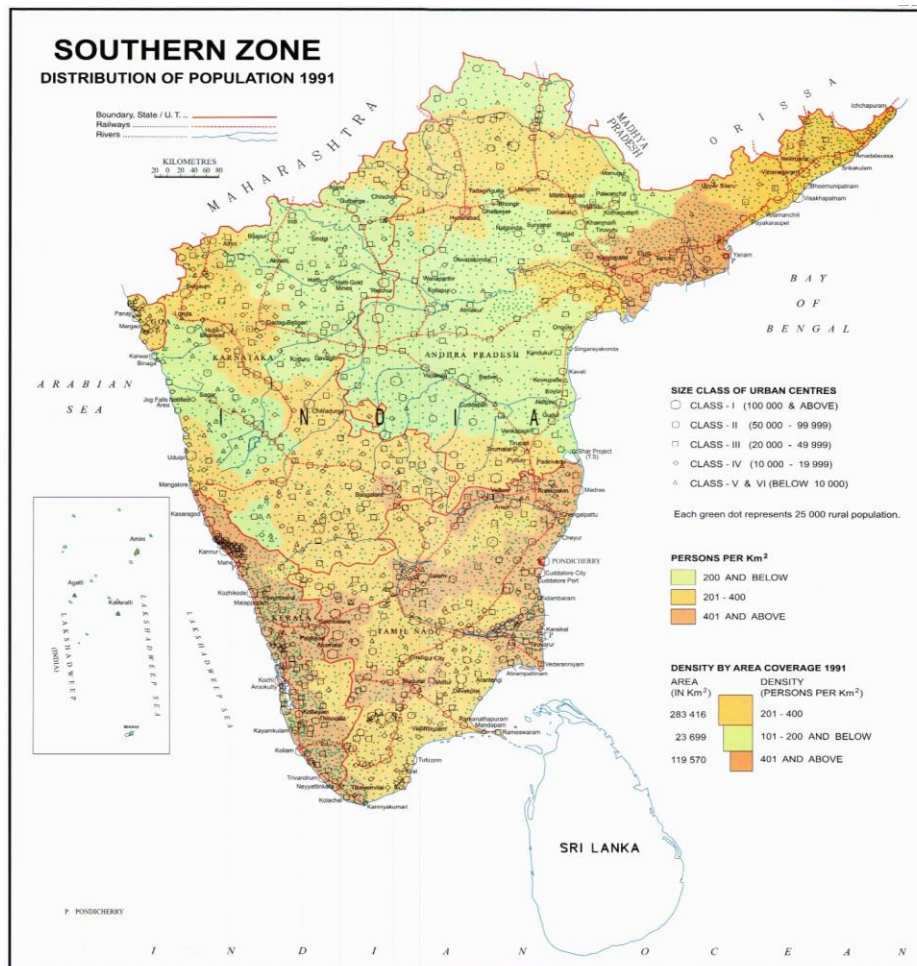
Digital maps



Digital maps/ Satellite images

1991

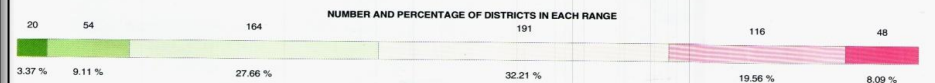
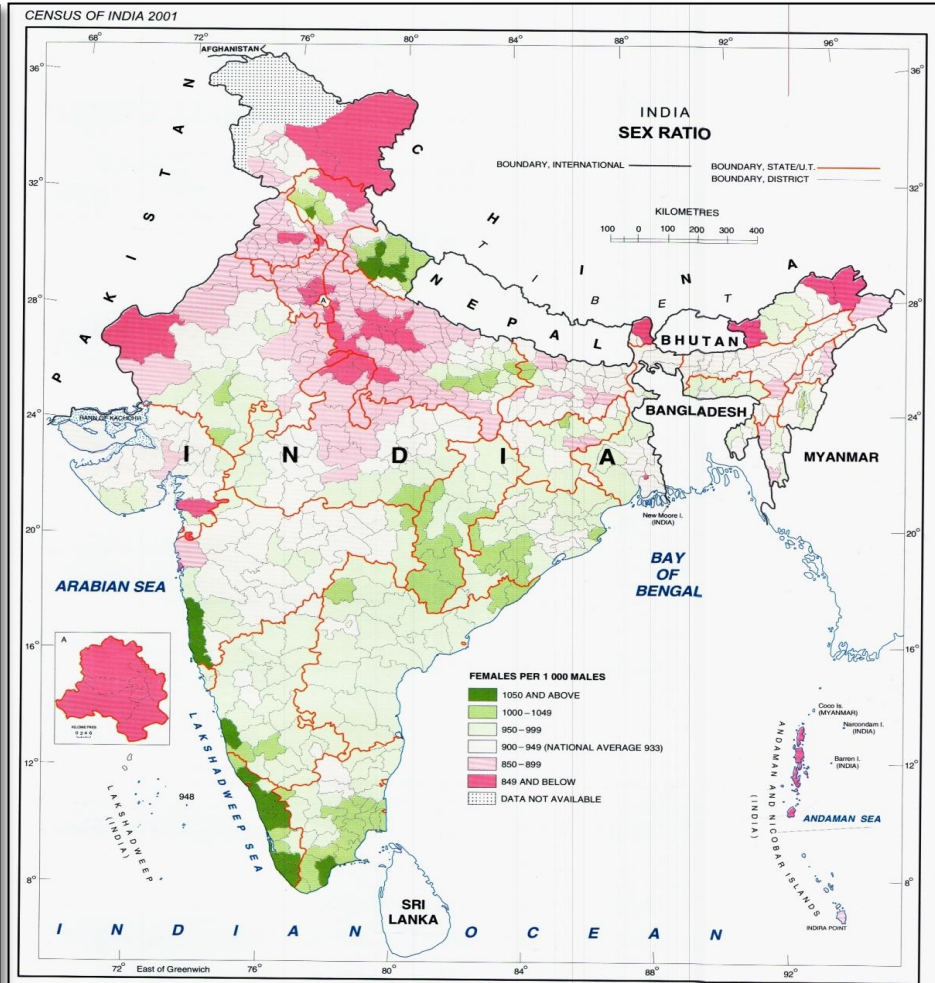
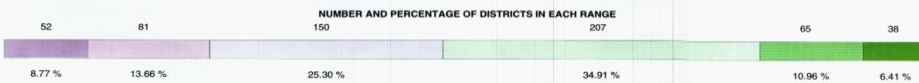
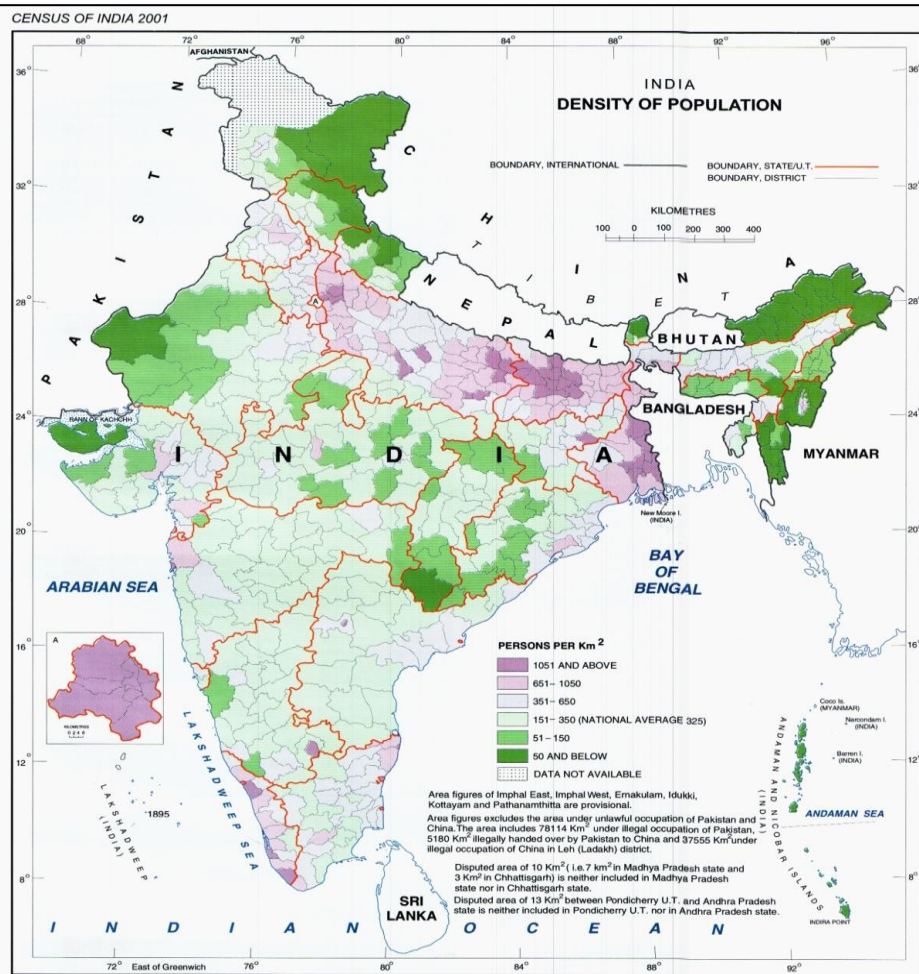
In late Nineties, exclusive theme based Atlases like, Language Atlas of India, Tribal Atlas and India Centenary Atlases were published in series.



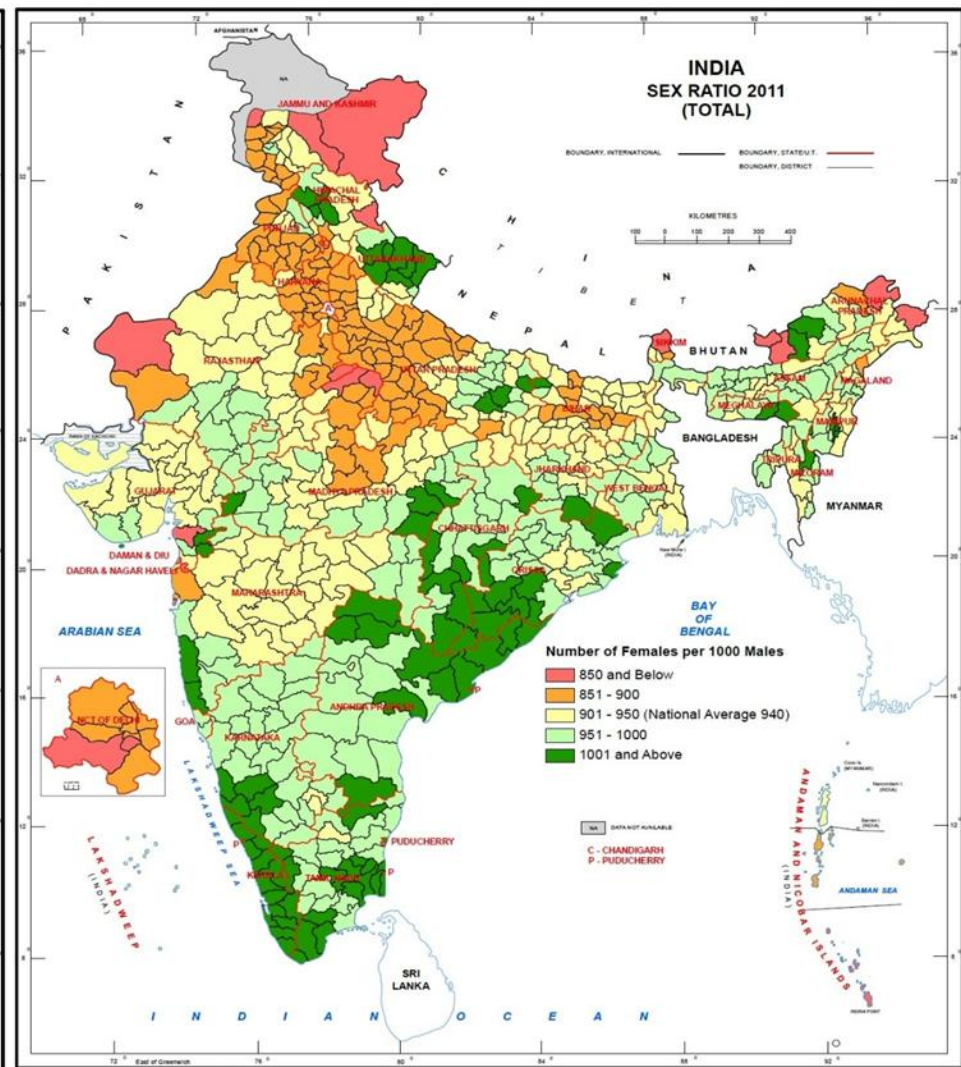
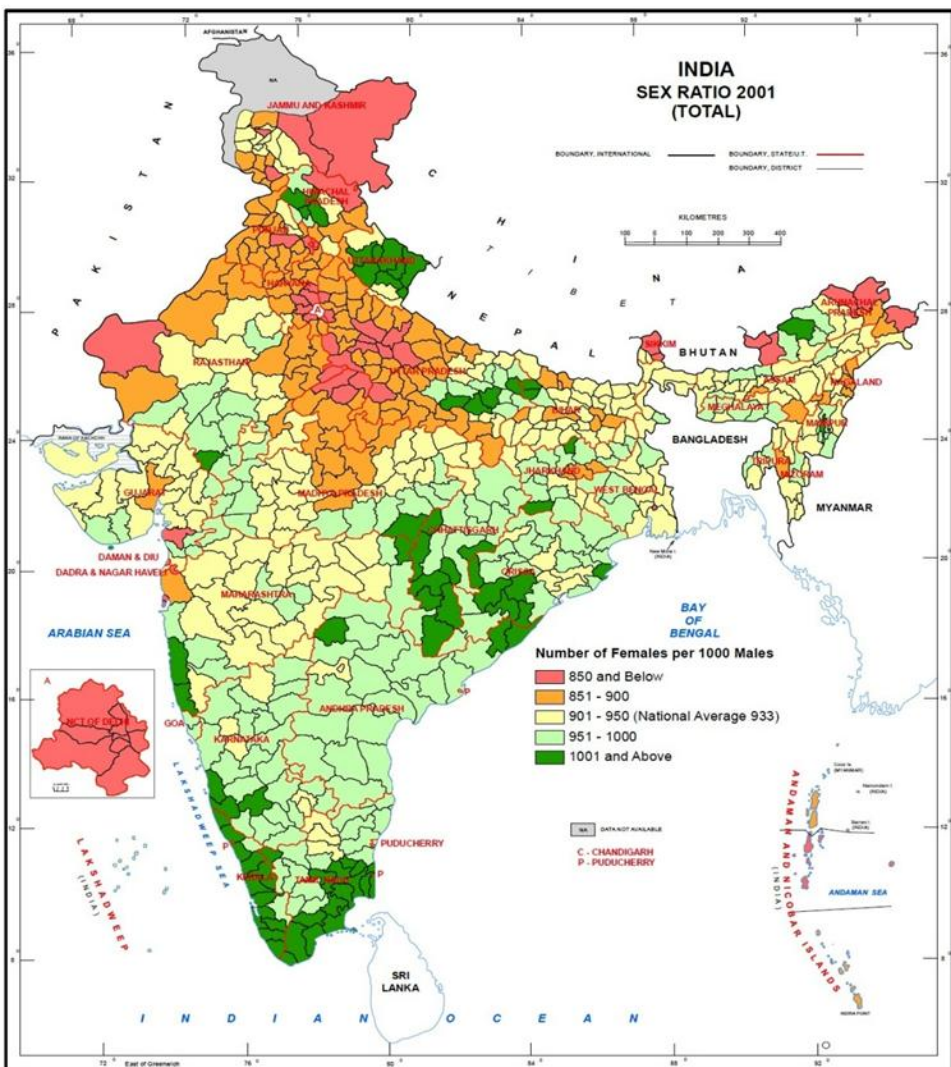
- The Computer Assisted Cartography was adopted in Census 1991.
- The GIS technology was utilized in the organization during 1991-2001.
- Today Census mapping has become more effective tool for data dissemination.

2001

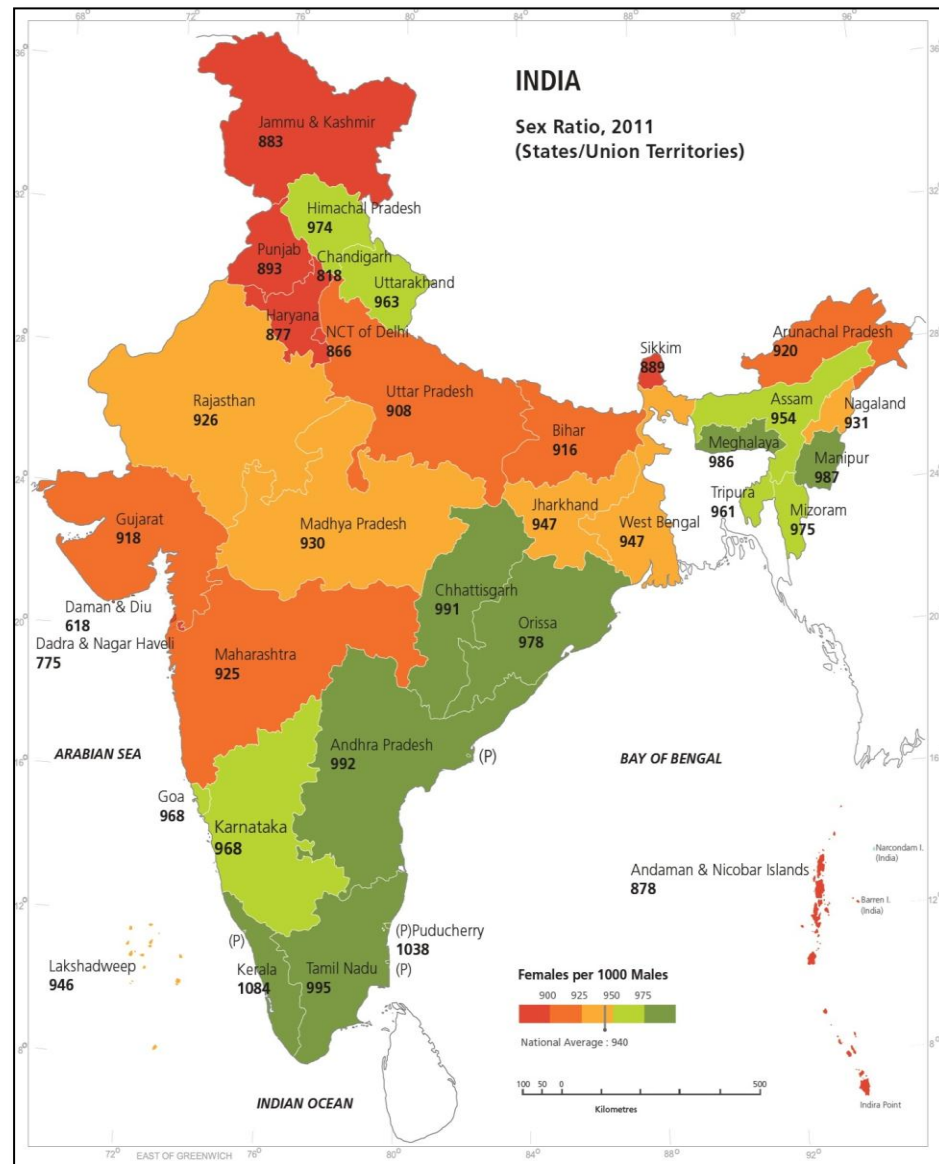
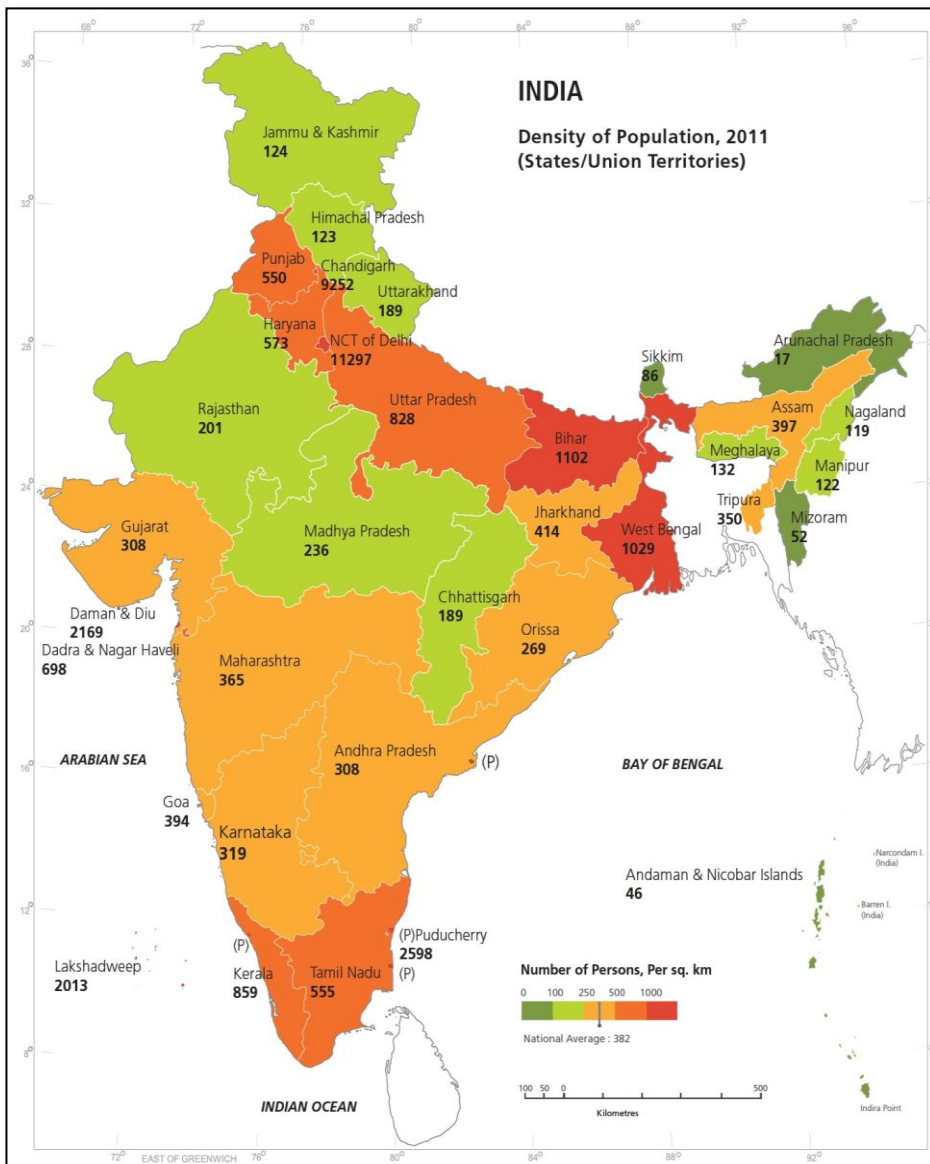
In 2001, a pioneer attempt was made by the organisation to prepare 'Census Atlas' depicting different aspects.



2001-2011

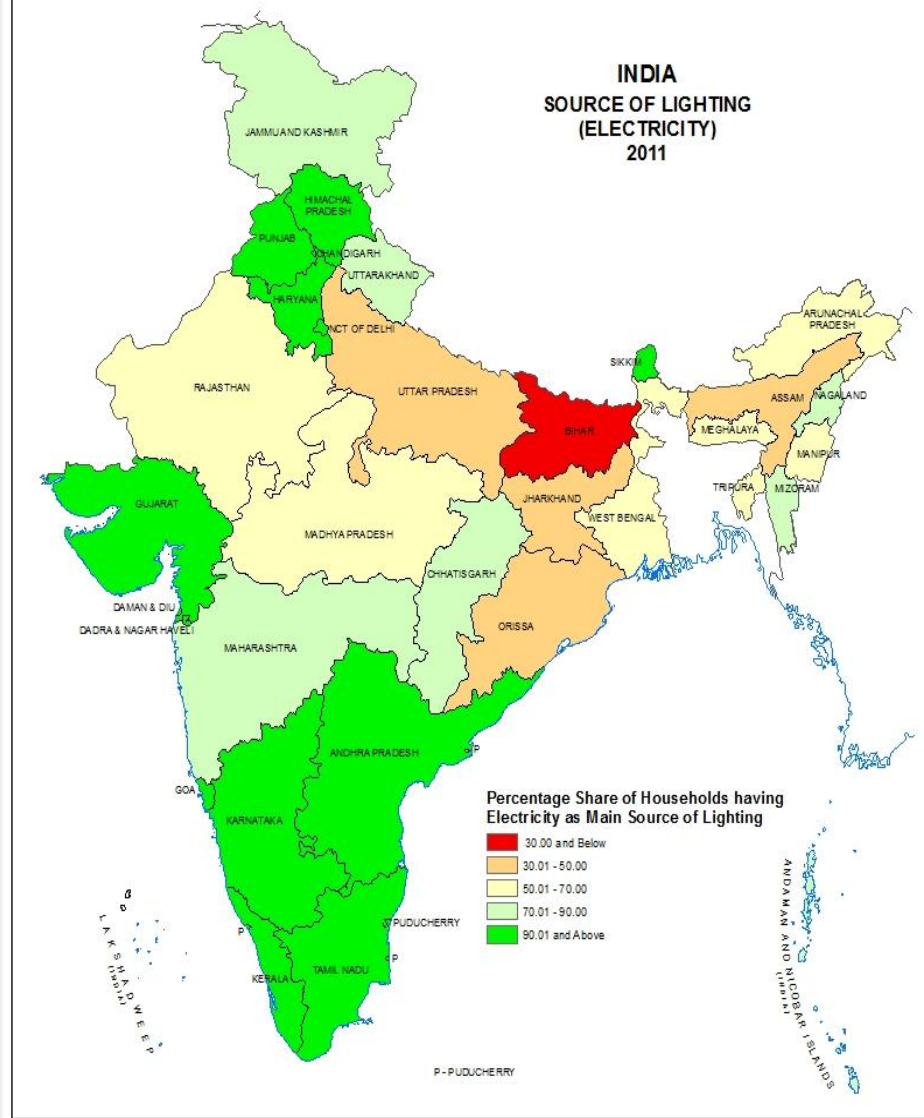
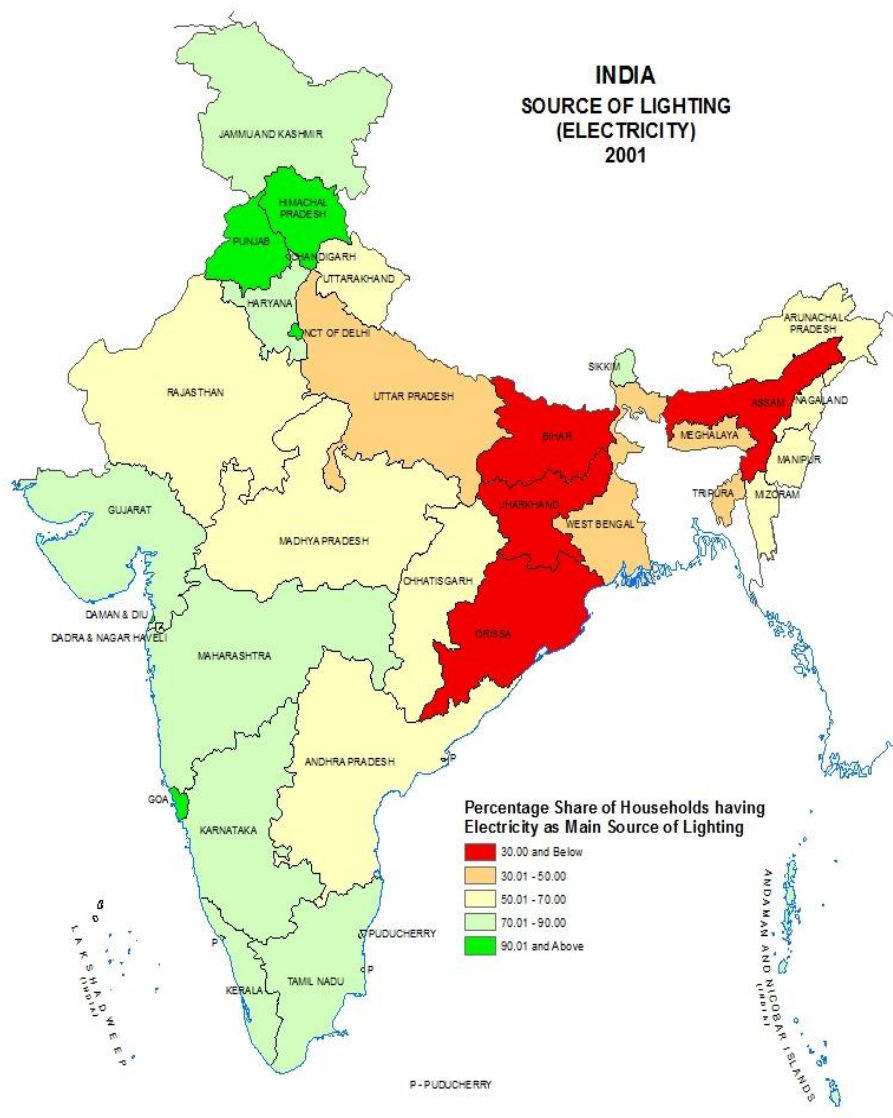


2011



2001-2011

Households using Electricity as Source of Lighting



640 Districts in 2011

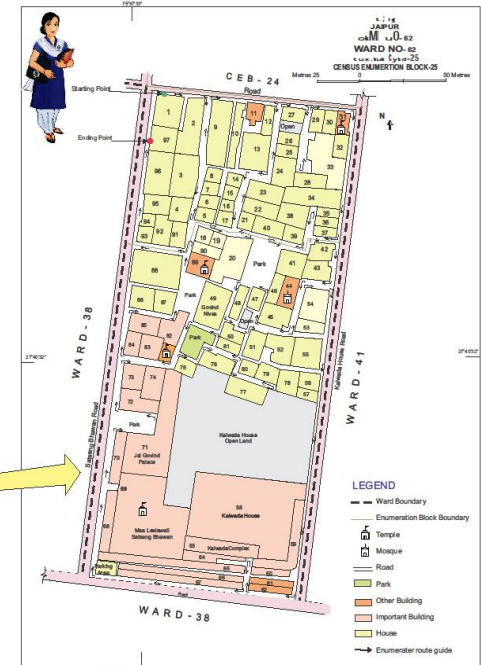
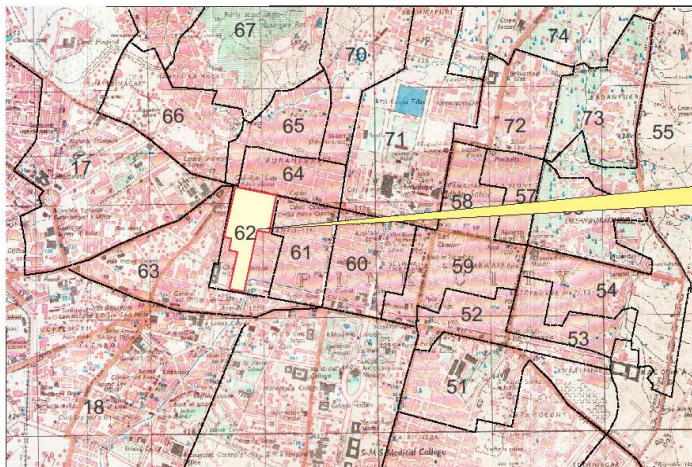
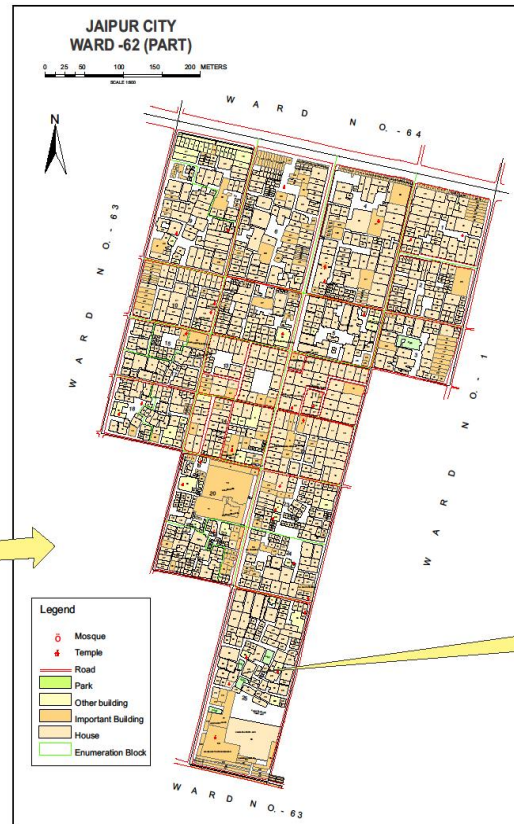
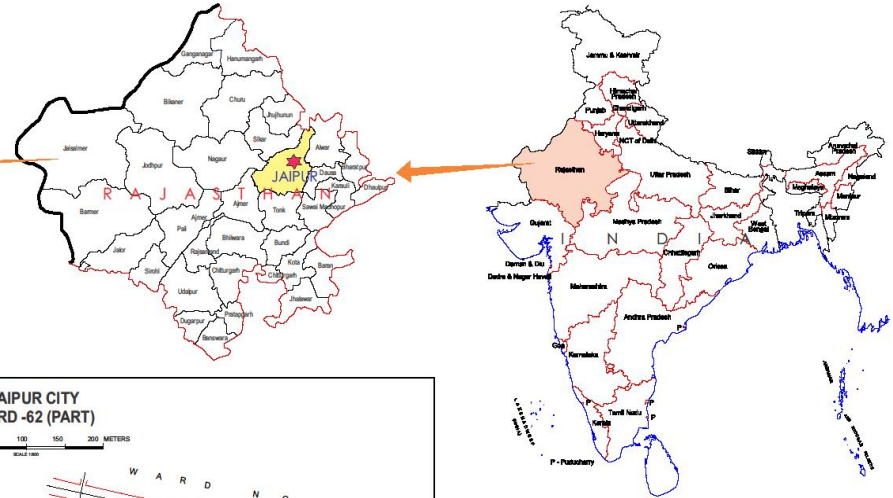
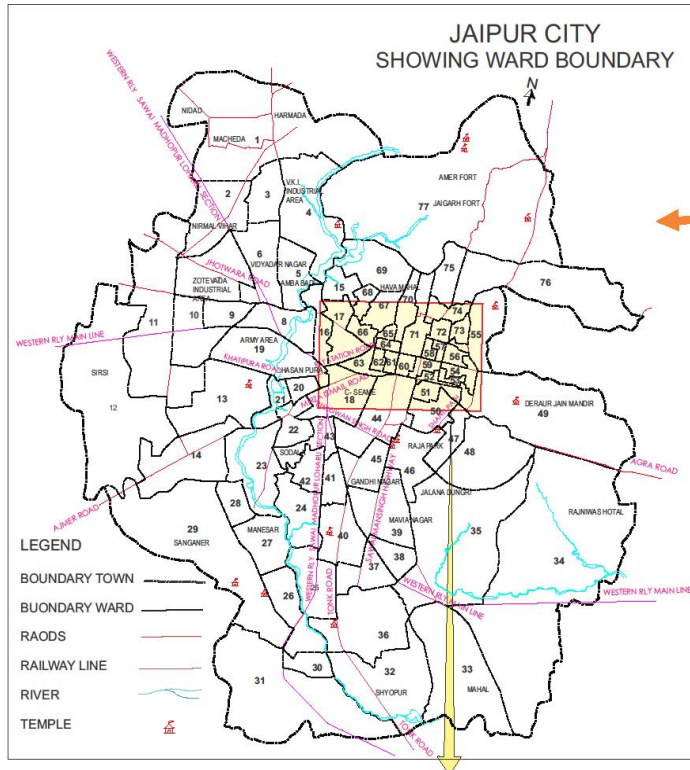


Based upon Survey of India map with the permission of the Surveyor General of India.
The territorial waters of India extend into the sea to a distance of twelve nautical miles measured from the appropriate base line.

The international boundaries between Afghanistan, Pakistan, Nepal, Bhutan, Bangladesh, and Sri Lanka are shown on this map as interpreted from the North Eastern Area (Bangladesh) Act, 1971. S&D have yet to be verified.

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GIS based Town Mapping for 33 Capital Cities





Thank you

For more information please visit:

censusindia.gov.in



2011

Our Census, Our Future