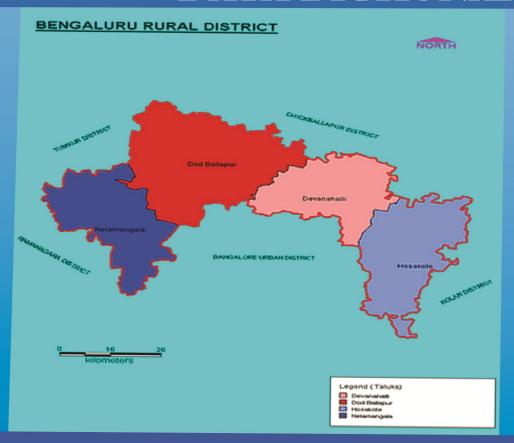
NATURAL RESOURCES DATA MANAGEMENT CENTER

DATA DICTIONARY



By D R Ramesh

BANGALORE RURAL ZILLA PANCHAYAT, K.G.ROAD, BANGALORE – 560 009

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PREFACE

DATA-DICTIONARY is a painstaking effort to systematically document the work carried out over a period of time at District NRDMS Centre, Bangalore Rural District. The task includes repository of both spatial and non-spatial database. This dictionary gives an introduction to the project viz. Natural Resources Data Management System (NRDMS) and methodology adopted for carrying out mapping using Geographical Information System (GIS). Later it gives a detailed account of non-spatial and spatial data structures. The 'Thematic maps and Attribute data' for various sectors given in this report is an extract of GIS computer based database built for the entire district.

It is hoped that this Data Dictionary will be useful for District Administration who will carry out developmental works, elected representatives, Planners and decision makers and students who undertake research and involved in extensive studies on Regional Geography.

NATURAL RESOURCES DATA MANAGEMENT SYSTEM (NRDMS)

Introduction

The balanced regional development and effective implementation of the basic needs of our society depends on the planning process which was initially the sectoral approach confined to the central level. This accentuated the inter and intra-regional disparities in the development and hence there was necessity to decentralise the planning process to a smaller area units. During VIII five year plan a special emphasis has been rightly given to the concept of decentralised planning. While adopting the seventy third and seventy fourth constitutional amendment acts (1992), a set of specific items covering various sectors viz., land, water, agro-economy and etc., were identified for which the concerned agencies were required to prepare and implement integrated development schemes. This growing urge for decentralising the process and practice of planning led us to have fresh look at methods of data management.

The project was initiated in Karnataka in 1992 with the active support of the Government of INDIA and Karnataka and the **Karnataka State Council for Science and Technology** as the implementing agency.

Objectives of the Programme:

The principle objective of this programme is to provide basic framework for local level integrated planning at district and block levels through the use of modern scientific tools like, Geographic Information System, Spatial Decision Support Systems and Sectoral models in the identified areas of Landuse, Water, Energy and Infrastructure. The idea is to empower the local bodies of governance in devising ways for optimizing the use of the available natural resources to bring about an integrated development of the region, thereby improving the socio-economic condition of the local population.

Implementation Strategy:

The programme is being implemented through the creation and management of one State Centre and District GIS centers state. The prime objective of the state GIS center and the district centers are given in the following sections.

Major Activities of NRDMS State Centre:

• Provide technical support to the district NRDMS centres.

- Organise Training programmes to the District personnel, line department officials and the user community.
- Organise state level co-ordination meetings.
- Forge linkages with the state government.
- Develop and test the Software and SDSS modules developed by other R&D groups that have utility in data management or specific application at the districts.

Major Activities of District NRDMS Centres:

- Creation of District resource profiles through collection and collation of Spatial and Non-Spatial Data from different line departments.
- Forge linkages with the local bodies of governance.
- Extension of technical support to the local decision making bodies and training of users in application of scientific management principles.
- Testing and adoption of decision support systems for local level resource management and socio-economic development.
- Maintenance of the district centres.

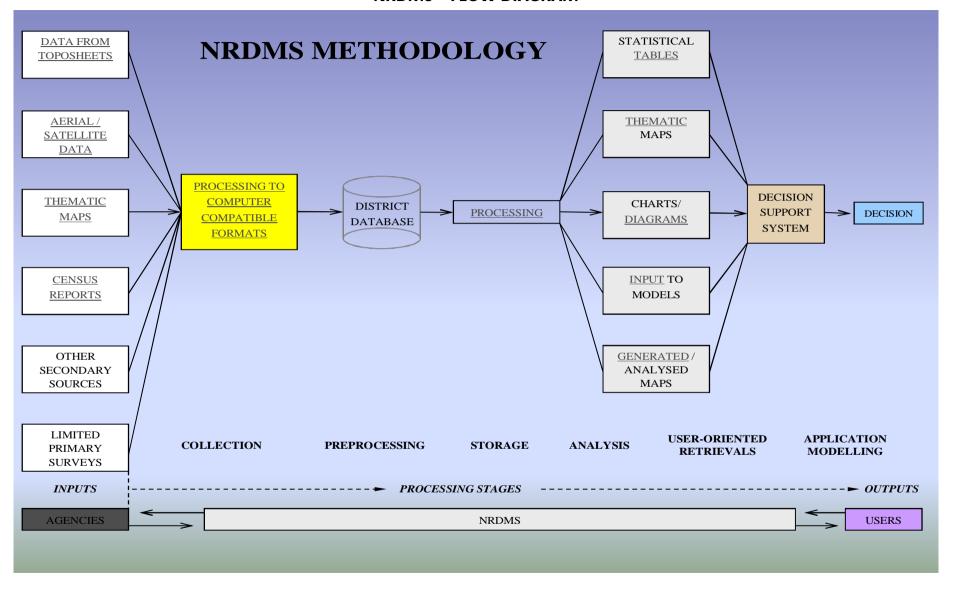
Nature can do without humankind but humankind cannot do without nature. Hence greater responsibility lies with humankind as guardian of natural resources to maintain the ecological system. Natural resource database of an area is an essential pre-requisite for studying developmental disparities and formulating integrated planning strategies.

In the long run, the nrdms aims to have economic production & distribution patterns that correspond to social requirements & ecological needs. Securing sustainable development is the decisive challenge for the 21st century, because sustainable development has a social, economic & ecological dimensions that are to be linked in an appropriate way.

To demonstrate the efficacy of the nrdms methodology in micro level planning, emphasis is laid on studies relating to application of resource profiles in drawing up area specific development strategies. Case studies have been attempted in some selected areas such as land, water facility location etc.

An attempt has been made in this report to spatially represent the villages facing acute water problems in Bangalore Rural District and measures which are to be taken up for restoring the water structures.

NRDMS – FLOW DIAGRAM



ABOUT BANGALORE RURAL DISTRICT

Bangalore (Rural) District in its present form came into being in 2007, after Ramanagara district was carved out of this district. In 1986, Bangalore district was divided into Bangalore (Urban) and Bangalore (Rural) districts. Originally, Bangalore (Rural) district comprised eight Taluks namely Channapattana, Kanakapura, Magadi, Ramanagara, Devanahalli, Doddaballapura, Hosakote and Nelamangala. When Ramanagara district was formed in 2007, only four Taluks namely Devanahalli, Doddaballapura, Hosakote and Nelamangala remained with Bangalore (Rural) district. Bangalore city itself is the headquarters of the district. It is a compact district with proximity to Bangalore city.

TALUKS

Devanahalli Taluk has four Hoblis including kasaba, the other three being Vijayapura, Channarayapatna and Kundana. There are 21 Grama Panchayats and one Municipality and one Town Panchayat in the Taluk.. Devanahalli town, the headquarters of the Taluk is situated at a distance of 39 kms from Bangalore city. Its historical significance lies in the fact that it happens to be the birth place of Tipusulthan. The Taluk is known for silk-based activities like reeling and weaving and also for masonry, stone cutting etc.

Doddaballapura Taluk has five Hoblis including kasaba, the other four being Doddabelavangala, Thubagere, Sasalu and Madure. There are 29 Gram Panchayats and one city municipality in the taluk. Doddaballapura town, the headquarters of the taluk, is situated to the north-west of Bangalore on the banks of river Arkavathi. The taluk is known for manufacturing of silk cloth by powerloom, manufacturing of musical instruments like veena, thambura, pottery works, agarbathi etc

Hosakote taluk has four Hoblis including kasaba, the other three being Sulibele, Anugondanahalli and Nandagudi. Hosakote, There are 22 Gram Panchayats and one municipality in the taluk. Hosakote, the headquarters of the taluk, is situated at a distance of 12 kms from Bangalore city. The occupation in the taluk is mainly agriculture, the other important activities being beekeeping and horticulture.

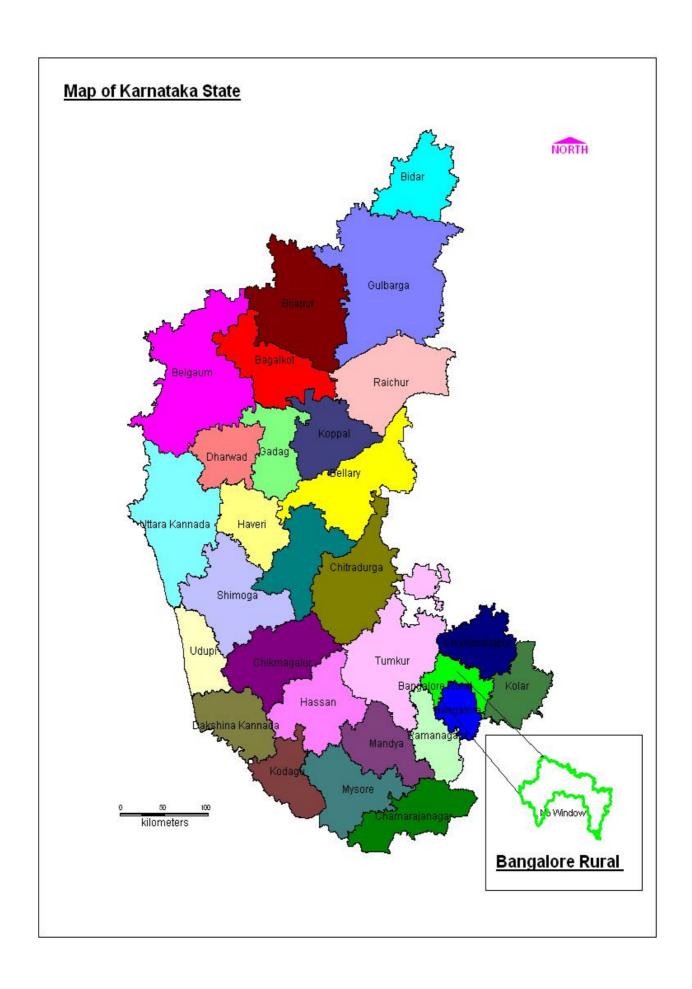
Nelamangala taluk has three Hoblies including kasaba, the other two being Thyamagondlu and Somapura. There are 22 Gram Panchayats and one town municipality in the taluk. Nelamangala town, the headquarters of the taluk, is situated at a distance of 27 kms from Bangalore city. The main activities of the taluk, in addition to agriculture, are silk cloth manufacturing by powerloom, agarbathi manufacturing and handicrafts.

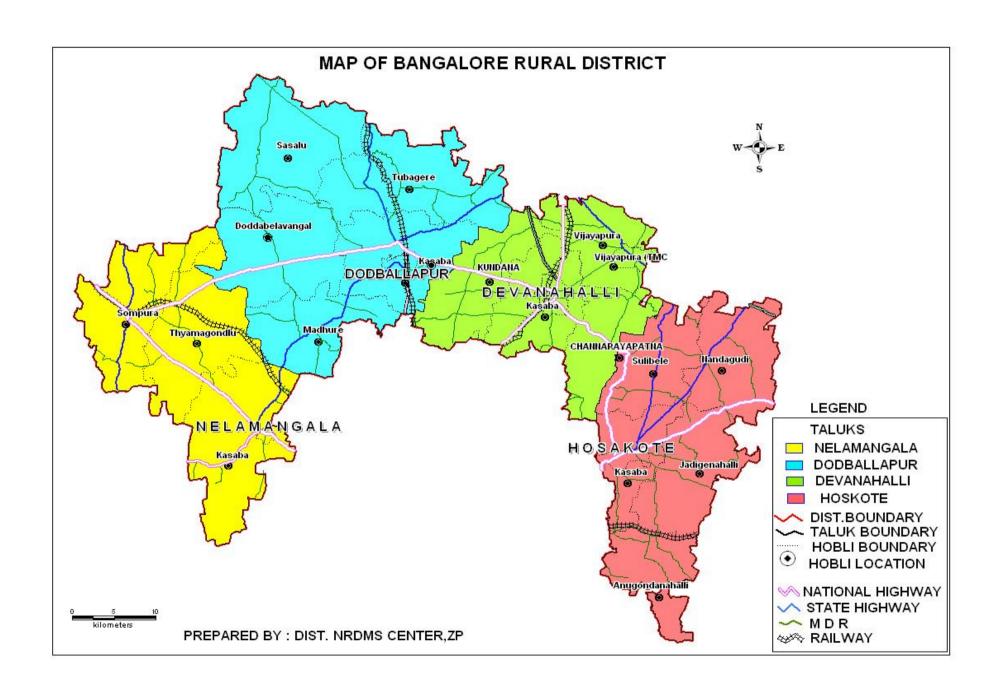
LOCATION, AREA AND POPULATION

Bangalore (Rural) district lies in the Southern Maidan. It is almost surrounded by Bangalore (Urban) district. It lies between latitude 12° 15′ N and longitude 77° 5′ E and 78° E.

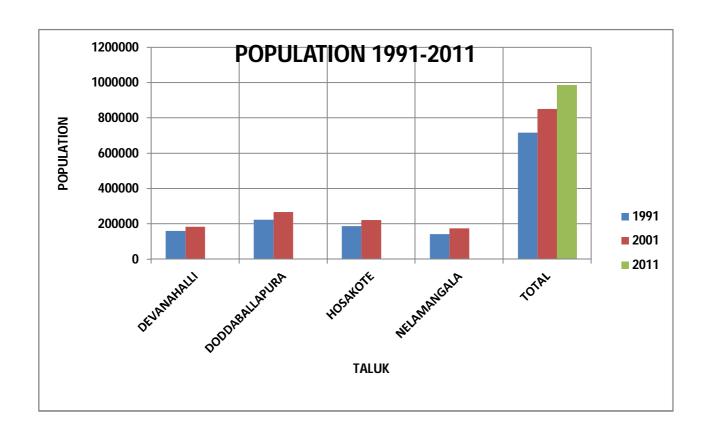
The geographic area of the district is 2259 sq kms. Doddaballapur taluka has the largest area with 778 sq kms and the next in order are Hosakote with 544 sq kms, Nelamangala with 506 sq kms and Devanahalli with 431 sq kms.

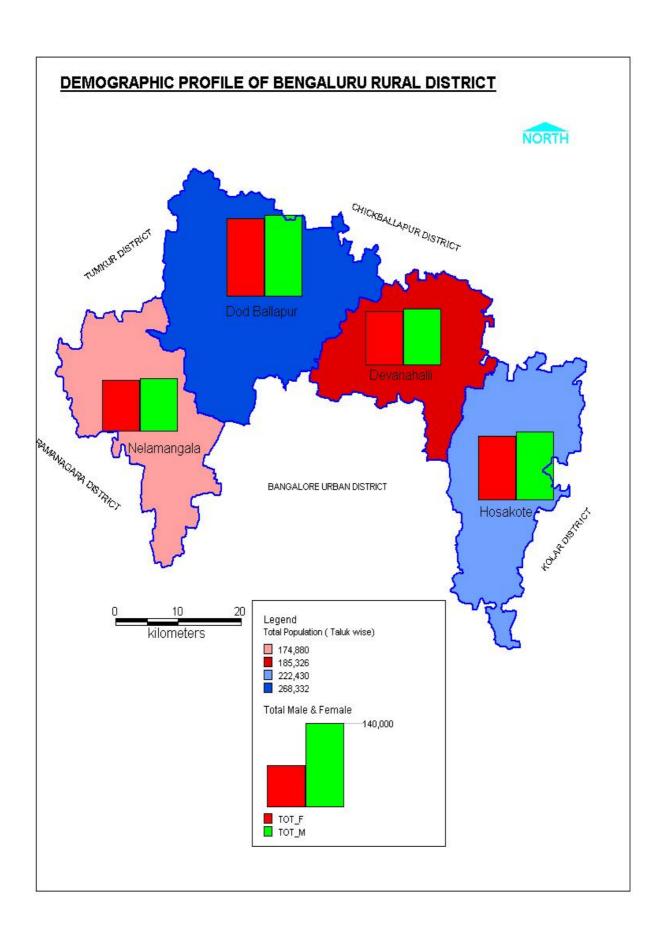
The total population of the district as per 2001 census is 8,50,968 comprising 4,37,489 males and 4,13,479 females. The population is predominantly rural with 6,58,634 persons, the urban population being 1,92,334. The density of population (per sq km) is 377 as against the state average of 275 and the sex ratio is 945 as against the state average of 964.





	POPULATION DETAILS OF BANGALORE RURAL DISTRICT FROM 1991 TO 2011								
SL NO									
1	DEVANAHALLI	160683	185326	-					
2	DODDABALLAPURA	224647	268332	-					
3	HOSAKOTE	188499	222430	-					
4	NELAMANGALA	143696	174880	-					
	TOTAL	717525	850968	987257					





DATA DICTIONARY OF BANGALORE RURAL DISTRICT

SPATIAL AND NON-SPATIAL

SPATIAL DATABASE:

Sector / Subsector	Scale	Source	Survey / Publication Year	Area covered	Status Code / remarks
1. Natural Resources					
Land					
1. Topography					
Contour Map	1:50,000	SOI			NA
Slope Map			2008	WHOLE	CC
2. Geology - A			2008	WHOLE	CC
Rock features	1:250,000	MGD	2008	WHOLE	CC
Structural features			-DO-	-DO-	CC
3. Geology - B					
Rock features	1:250,000	MGD			CC
Structural features					
4. Mineral Resources					
5. Geomorphology	1:50,000	MGD	2008		CC
6. Land use	1:250,000	KSRSAC	2008	WHOLE	CC
7. Waste Lands	1:50,000	KSRSAC	2008	WHOLE	CC
8. Soils	1:250,000	NBSS & LUP	2008	WHOLE	CC
9. Forest & Wildlife					
Forest type	1:250,000	KFD			NA
Crown Density					
Forest Category					
Forest admn.	1:50,000	SOI			
Wild Life					
Water					
Ground water					
Hydro Geology	1:250,000	MGD	2008	WHOLE	CC
Hydro chemistry					
Ground water budget					
Surface water					
Drainage	1:250,000	MGD	2008	WHOLE	CC
Surface water bodies	1:50,000	SOI & KSRSAC	2008	WHOLE	CC
Climate					

Sector / Subsector	Scale	Source	Survey / Publication Year	Area covered	Status Code / remarks
2. Demography					
Population					
Tehsil boundary	1:50,000	SOI	1975	WHOLE	CC
District boundary	-D0-	-DO-	-DO-	-DO-	CC
Current popln. distbn.					CC
Literacy					
Levels of education					
Occupation					
Village boundary	1:50,000	KSSLP		WHOLE	CC
Employment					
District scenatio					
Employment exchange					
Assets & Expenditure					
Migration					Not finalised
Destitutes					

Sector / Subsector	Scale	Source	Survey / Publication Year	Area covered	Status Code / remarks
3. Socio Economy					
Industry					
Developmental activity					

Sector / Subsector	Scale	Source	Survey / Publication Year	Area covered	Status Code / remarks
4. Agro Economy					
Land Utilisation					
Private Land					
Common property					
Land Ownership pattern					
General scenario					
Farmer's holdings					
Principal crops					
Irrigation					
Minor irrigation					
Canals					NR
Tube wells					CC
Dug wells					
Tanks					CC
Lift irrigation					NR
Major irrigation					
Reservoirs					NR
Anicuts					NR
Agricultural implements					
Animal husbandry					
Pisciculture					
Plantation					

Sector / Subsector	Scale	Source	Survey / Publication Year	Area covered	Status Code / remarks
5. Infrastructure					
Communications					
Post offices	1:50000	SOI	1975	WHOLE	CC
Telecommunication					
Drinking water	-DO-	-DO-	-DO-	-DO-	CC
Educational facilities	-DO-	-DO-	-DO-	-DO-	CC
Electricity					
Financial institutions					
Markets					
Health	1:50,000	SOI/KSSL P	-DO-	-DO-	CC
NGO's					
Tourism	1:250,000				CC
Transport	1" = 4 miles	PWD			

Sector / Subsector	Scale	Source	Survey / Publication Year	Area covered	Status Code / remarks
6. Miscellaneous					
District map with taluks	1" = 4 miles	DLR & SS			CC
District & taluk boundaries	1:50,000	SOI			CC
District map with hoblies	1: = 4 miles	DLR & SS			
Village boundary with settlement	1:50,000	SOI / KSRSAC			CC
Police station details		SP			CC
Details on Assembly constituencies		DC			CC
Gram Panchayaths & Zilla Panchayaths, its jurisdiction for all taluks					CC

Status Code: Meaning

CC : Computerised. NC : Not Computerised

NA : Not Available, NR : Not Relevant

NON-SPATIAL DATABASE:

Sector / Subsector	Source	Survey / Publication Year	Area covered	Status Code / remarks
1. Natural Resources				
Land				
1. Topography	KSRSAS	2008	WHOLE	CC
Contour				Not Applicable
Slope				Not Applicable
2. Geology - A	KSRSAC			CC
Rock Features				CC
Structural features				CC
3. Geology - B				
Rock features				CC
Structural features				Not applicable
4. Mineral Resources				
5. Geomorphology				CC
6. Land use				CC
7. Waste Lands				CC
8. Soils				CC
9. Forest & Wildlife				
Forest type				Not Applicable
Crown Density				Not Applicable
Forest Category				Not Applicable
Forest admn.				Not Applicable
Wild Life				
Water				
Ground water				CC
Hydro Geology				CC
Hydro chemistry				CC
Ground water budget				
Surface water				
Drainage				CC
Surface water bodies				CC
Climate				

Sector / Subsector	Source	Survey / Publication Year	Area covered	Status Code / remarks
2. Demography				
Population	CENSUS	2001	WHOLE	CC
Tehsil boundary	Y			CC
District boundary	Y			CC
Current popln. distbn.	Y			
Literacy				
Levels of education	Y			CC
Occupation				
Village boundary				
Employment				
District scenatio				CC
Employment exchange				CC
Assets & Expenditure				
Migration				Not finalised
Destitutes				

Sector / Subsector	Source	Survey / Publication Year	Area covered	Status Code / remarks
3. Socio Economy				
Industry	DIC	2008	WHOLE	COLLECTED
Developmental activity				

Sector / Subsector	Source	Survey / Publication Year	Area covered	Status code / remarks
4. Agro Economy				
Land Utilisation				
Private Land				
Common property				
Land Ownership pattern				
General scenario				
Farmer's holdings				
Principal crops				
Irrigation	SAMANY A MAHITHI	2005	WHOLE	CC
Minor irrigation				
Canals				
Tube wells				
Dug wells				
Tanks				
Lift irrigation				
Major irrigation				
Reservoirs				
Anicuts				
Agricultural implements				
Animal husbandry	-DO-	-DO-	WHOLE	CC
Pisciculture	-DO-	-DO-	-DO-	CC
Plantation				Not finalised

Sector / Subsector	Source	Survey / Publication Year	Area covered	Status Code / remarks	
5. Infrastructure	SAMANY A MAHITHI	2005	WHOLE	CC	
Communications					
Post offices	-DO-	-DO-	-DO-	CC	
Telecommunication	-DO-	-1000-	-D 0 O-	COCC CC	
Drinking water		•			
Educational facilities				CC	
Electricity					
Financial institutions				CC	
Markets]
Health				CC	1
NGO's					1
Tourism					1
Transport]
Roads					
Rail network					
Air transport					
Vehicle census					
Inland & coastal waterways					
Veterinary services					
Veterinary facilities	SAMANY A MAHITHI	2005	WHOLE	CC	
Other veterinary serv.					
Incidence of diseases					
Sector / Subsector	Source	Survey / Publication Year	Area covered	Status Code / remarks	
6. Miscellaneous					
Administration					
Dt. & Subdivsns.				CC	
Dt., with tehsils				CC	
Dt., with panchayat				CC	
Tq., with census vil.				CC	
Prices & wages					

DATA STRUCTURE OF CENSUS DATA (PART 1&2) AND SAMANYA MAHITHI

DATA DESCRIPTION OF CENSUS DATA – PART 1

STATE State - Code
DISTRICT District - Code
TAHSIL Tashil - Code
TOWN_VILL Town/village - Code
WARD Ward - Code

EB EB - Code

LEVEL State/District/Taluk/Town/Villlage
NAME State/District/Taluk/Town/Villlage
TRU T - Total, R - Rural, U - Urban

No_HH Number of Households
TOT_P Total Population
TOT_M Total Males
TOT_F Total Females

P_06 Population in the Age group 0-6
M_06 Male Population in the Age group 0-6
F_06 Female Population in the Age group 0-6

P_SC Population Scheduled Caste
M_SC Male Population Scheduled Caste
F_SC Female Population Scheduled Caste

P_ST Population Scheduled Tribe
M_ST Male Population Scheduled Tribe
F_ST Female Population Scheduled Tribe

P_LIT Literates
M_LIT Male literates
F_LIT Female literates
P_ILL Illiterates
M_ILL Male Illiterates

F_ILL Female Illiterates
TOT_WORK_P Total Workers
TOT_WORK_M Total Male Workers
TOT WORK F Total Female Workers

MAINWORK_P Main Workers

MAINWORK_M Male Main Workers

MAINWORK_F Female Main Workers

MAIN_CL_P Main Cultivators

MAIN_CL_M Male Main Cultivators

MAIN_CL_F Female Main Cultivators

MAIN_AL_P Main Agricultural Labourers

MAIN_AL_M Male Main Agricultural Labourers
MAIN_AL_F Female Main Agricultural Labourers
MAIN_HH_P Main Wokers in Household Industries
MAIN_HH_M Male Main Wokers in Household Industries
MAIN_HH_F Female Main Wokers in Household Industries

MAIN_OT_P Main Other Wokers
MAIN_OT_M Male Main Other Wokers
MAIN_OT_F Female Main Other Wokers

MARGWORK_P Marginal Workers MARGWORK_M Male Marginal Workers MARGWORK_F Female Marginal Workers Marginal Cultivators MARG_CL_P MARG_CL_M Male Marginal Cultivators MARG_CL_F Female Marginal Cultivators MARG_AL_P Marginal Agricultural Labourers MARG_AL_M Male Marginal Agricultural Labourers MARG AL F Female Marginal Agricultural Labourers MARG_HH_P Marginal Wokers in Household Industries MARG_HH_M Male Marginal Wokers in Household Industries MARG_HH_F Female Marginal Wokers in Household Industries MARG_OT_P Marginal Other Wokers MARG_OT_M Male Marginal Other Wokers MARG_OT_F Female Marginal Other Wokers NON_WORK_P Non-Workers NON_WORK_M Male Non-Workers NON_WORK_F Female Non-Workers

-()-

CENSUS DATA DICTIONARY – PART 1.

Field	Field Name	Туре	Width	Description
~~~~	~~~~~	~~~~ ~~~~	~~~~~	
1.	STCD	Character	2	State/UT code.
2.	LOC_CODE	Character	16	Location code.
3.	AREA	Numeric	9.2	Area
4.	RES_HOUSE	Numeric	5	No. of occupied resi.houses.
5.	HOUSEHOLDS	Numeric	5	No. of households.
6.	T_POPLN	Numeric		6 Total population.
7.	T_M_POPLN	Numeric	6	Total male population.
8.	T_F_POPLN	Numeric	6	Total female population.
9.	POPLN_M6	Numeric	5	Male population below age 7.
10.	POPLN_F6	Numeric	5	Female population below age 7.
11.	M_SC	Numeric	5	Male SC population.
12.	F_SC	Numeric	5	Female SC population.
13.	M_ST	Numeric	5	Male ST population.
14.	F_ST	Numeric	5	Female ST Population.
15.	M_LITERATE	Numeric	6	Male literates.
16.	F_LITERATE	Numeric	6	Female literates.
17.	T_M_WORKER	Numeric	6	Total main workers-Male.
18.	T_F_WORKER	Numeric	5	Total main workers-Female.
19.	M_INDCAT1	Numeric	5	Cultivators-Male.
20.	F_INDCAT1	Numeric	5	Cultivators-Female.
21.	M_INDCAT2	Numeric	5	Agricultural labourers-Male.
22.	F_INDCAT2	Numeric	5	Agricultural labourers-Female.
23.	M_INDCAT3	Numeric	5	Livestock,Forestry,Fishing etc.
				and allied activities, workers-

24.	F_INDCAT3	Numeric	5	Livestock,Forestry,Fishing etc.
				and allied activities, workers
				- Female.
25.	M_INDCAT4	Numeric	5	Mining and Quarying, workers -
				Male.
26.	F_INDCAT4	Numeric	5	Mining and Quarying, workers -
			Femal	e.
27.	M_INDCAT5A	Numeric	5	Manufacturing and Processing
			in hou	sehold industry, workers -
			Male.	
28.	F_INDCAT5A	Numeric	5	Manufacturing and Processing in
			house	hold industry, workers-
			Femal	e.
29.	M_INDCAT5B	Numeric	5	Manufacturing and processing
			in oth	er than household
			indust	ry workers - Male.
30.	F_INDCAT5B	Numeric	5	Manufacturing and Processing in
			other	than household industry,
			worke	rs-Female.
31.	M_INDCAT6	Numeric	5	Construction, workers - Male.
32.	F_INDCAT6	Numeric	5	Construction, workers - Female.
33.	M_INDCAT7	Numeric	5	Trade and Commerce, workers -
			Male.	
34.	F_INDCAT7	Numeric	5	Trade and Commerce, workers -
			Femal	e.
ð 7	3			
35.	M_INDCAT8	Numeric	5	Trans., Storage & Communication.

workers - Male.

36.	F_INDCAT8	Numeric		5	Trans., Storage & Communication
				worker	s - Female.
37.	M_INDCAT9	Numeric		5	Other services, workers - Male
38.	F_INDCAT9	Numeric		5	Other services, workers-Female.
39.	M_MARGINAL	Numeric		5	Marginal workers - Male
40.	F_MARGINAL	Numeric		5	Marginal Workers - Female
41.	M_NON_WORK	Numeric	6	Non-W	orkers - Male
42.	F_NON_WORK	Numeric		6	Non-Workers - Female.
	**Total**	231			
		DESCRIPTION (			DIRECTORY
1.	STCD	Character	2	State/L	
2.	CODE	Character	16	Locatio	n Code ##
3.	NAME	Character	30	Name o	of the Location
	**Total**		49		

## Description of Location Code

16 Digits : Total length of the Location Code

2 digits : District Code

4 digits : Tehsil Code

6 digits : Town Code

4 digits : Ward Code

# DESCRIPTION OF RURAL PCA DATA

Field	Field Name	Туре	Width	Descri	otion	
~~~~	~~~~~~	~~~~	~~~~~	~~~~		
1.	STCD	Character	2	State/I	JT code.	
2.	LOC_CODE	Character	18	Locatio	on code.	
3.	AREA	Numeric		9.2	Area	
4.	RES_HOUSE	Numeric		5	No. of	occupied resi.houses.
5.	HOUSEHOLDS	Numeric		5	No. of	households.
6.	T_POPLN	Numer	ic		6	Total population.
7.	T_M_POPLN	Numeric		5	Total n	nale population.
8.	T_F_POPLN	Numeric		5	Total f	emale population.
9.	POPLN_M6	Numeric		5	Male p	oopulation below age 7.
10.	POPLN_F6	Numeric		5	Female	e population below age 7.
11.	M_SC	Numeric		5	Male S	C population.
12.	F_SC	Numeric		5	Female	e SC population.
13.	M_ST	Numeric		5	Male S	T population.
14.	F_ST	Numeric		5	Female	e ST Population.
15.	M_LITERATE	Numeric		5	Male li	terates.
16.	F_LITERATE	Numeric		5	Female	e literates.
17.	T_M_WORKER	Numeric		5	Total n	nain workers-Male.
18.	T_F_WORKER	Numeric		5	Total n	nain workers-Female.
19.	M_INDCAT1	Numeric		5	Cultiva	itors-Male.
20. ð 7	F_INDCAT1	Numeric		5	Cultiva	itors-Female.

21.	M_INDCAT2	Numeric	5	Agricultural labourers-Male.
22.	F_INDCAT2	Numeric	5	Agricultural labourers-Female.
23.	M_INDCAT3	Numeric	5	Livestock,Forestry,Fishing etc.
			and al	lied activities,workers-
			Male.	
24.	F_INDCAT3	Numeric	5	Livestock,Forestry,Fishing etc.
			and al	lied activities, workers
			- Fema	ale.
25.	M_INDCAT4	Numeric	5	Mining and Quarying, workers -
			Male.	
26.	F_INDCAT4	Numeric	5	Mining and Quarying, workers -
			Femal	e.
27.	M_INDCAT5A	Numeric	5	Manufacturing and Processing
			in hou	sehold industry,workers -
			Male.	
28.	F_INDCAT5A	Numeric	5	Manufacturing and Processing in
			house	hold industry, workers-
			Femal	e.
29.	M_INDCAT5B	Numeric	5	Manufacturing and processing
			in oth	er than household
			indust	ry workers - Male.
30.	F_INDCAT5B	Numeric	5	Manufacturing and Processing in
			other	than household industry,
			worke	rs-Female.
31.	M_INDCAT6	Numeric	5	Construction, workers - Male.
32.	F_INDCAT6	Numeric	5	Construction, workers - Female.
33.	M_INDCAT7	Numeric	5	Trade and Commerce, workers -

Male.

34.	F_INDCAT7	Numeric		5	Trade and Commerce, workers -
				Female	
35.	M_INDCAT8	Numeric		5	Trans., Storage & Communication.
				worker	s - Male.
36.	F_INDCAT8	Numeric		5	Trans., Storage & Communication
				worker	s - Female.
37.	M_INDCAT9	Numeric		5	Other services, workers - Male
38.	F_INDCAT9	Numeric		5	Other services, workers-Female.
39.	M_MARGINAL	Numeric		5	Marginal workers - Male
40.	F_MARGINAL	Numeric		5	Marginal Workers - Female
41.	M_NON_WORK	Numeric	5	Non-W	orkers - Male
42.	F_NON_WORK	Numeric		5	Non-Workers - Female.
	Total	226			
		DESCRIPTION (of Rurai	L CODE [DIRECTORY
		~~~~~~	~~~~~	~~~~~	~~~~~~
1.	STCD	Character	2	State/L	JT Code
2.	CODE	Character	18	Locatio	n Code ##
3.	NAME	Character	30	Name o	of the Location

51

## Description of Location Code

**Total**

18 Digits : Total length of the Location Code

# **CENSUS DATA DICTIONARY -PART 2**

# CENSUS OF INDIA, 2001 DISTRICT CENSUS HANDBOOK RECORD STRUCTURE: VILLAGE DIRECTORY

SI. No.	FIELD NAME	DATA TYPE	WIDTH	REMARKS
1	ST_CODE	Character	2	STATE CODE
2	DIST_CODE	Character	2	DISTRICT CODE
3	THSIL_CODE	Character	4	TAHSIL/TALUK CODE
4	BLOCK_CODE	Character	4	C.D. BLOCK CODE
5	V_CT_CODE	Character	8	VILLAGE CODE
6	VILL_NAME	Character	40	VILLAGE NAME
7	AREA	Numeric	5	Area of Village (in hectares)
				Population data based on 2001 Census
8	T_HH	Numeric	6	Number of Households
9	T_P	Numeric	8	Total population- Persons
10	T_M	Numeric	7	Total population- Males
11	T_F	Numeric	7	Total population- Females
12	SC_P	Numeric	7	Scheduled Castes population- Persons
13	SC_M	Numeric	7	Scheduled Castes population- Males
14	SC_F	Numeric	7	Scheduled Castes population- Females
15	ST_P	Numeric	7	Scheduled Tribes population- Persons
16	ST_M	Numeric	7	Scheduled Tribes population- Males
17	ST_F	Numeric	7	Scheduled Tribes population- Females
				Amenities data
18	EDU_FAC	Numeric	1	Educational facilities (A/NA)
				If not available, range code is to be provided for primary school
		NE CHEST		middle school and collage
19	P_SCH	Numeric	2	Number of Primary School
20	RANG P SCH	Numeric	1	If not available, Provide the Range Code
21	M SCH	Numeric	1	Number of Middle School
22	RANG_M_SCH	Numeric	1	If not available, Provide the Range Code
23	S_SCH	Numeric	1	Number of Secondary School
24	S S SCH	Numeric	1	Number of Senior Secondary School
	COLLEGE	Numeric	1	Number of Collage
	RANG_COLL	Numeric	1	If not available, Provide the Range Code
	IND_SCH	Numeric	1	Number of Industrial School
	TR SCH	Numeric	1	Number of Taining School
	ADLT_LT_CT	Numeric		Number of Adult literacy Class/Centre
	OTH SCH	Numeric		Number of Other educational facilities
	MEDI_FAC	Numeric		Medical facilities (A/NA)
				If not available, Range Code is to be provided for Allopathic
				hospital, Maternity and Child Welfare Centre and Primary Healt
				Centre
2	ALL HOSP	Numeric		Number of Allopathic Hospital
	RANG ALL	Numeric		If not available, Provide the Range Code
	AYU HOSP	Numeric		Number of Ayurvedic Hospital
	UN HOSP	Numeric		Number of Unani Hospital
	HOM_HOSP	Numeric		Number of Unani Hospital  Number of Homeopathic Hospital
	ALL DISP	Numeric		Number of Allopathic Dispensary
	AYU_DISP	Numeric		Number of Allopathic Dispensary  Number of Ayurvedic Dispensary
	UN DISP	Numeric		
	OIT_DIOF	Numeric	200	Number of Unani Dispensary

Page 1 of 4

# CENSUS OF INDIA, 2001 DISTRICT CENSUS HANDBOOK RECORD STRUCTURE: VILLAGE DIRECTORY

SI. No.	FIELD NAME	DATA TYPE	WIDTH	REMARKS
40	HOM_DISP	Numeric	1	Number of Homeopathic Dispensary
41	MCW_CNTR	Numeric	1	Number of Maternity and Child Welfare Centre
42	RANG_MCW	Numeric	1	If not available, Provide the Range Code
43	M_HOME	Numeric	1	Number of Maternity Home
44	CWC	Numeric	1	Number of Child Welfare Centre
45	H_CNTR	Numeric	1	Number of Health Centre
46	PH_CNTR	Numeric	1	Number of Primary Health Centre
47	RANG_PHC	Numeric	1	If not available, Provide the Range Code
48	PHS_CNT	Numeric	1	Number of Primary Health Sub Centre
49	FWC_CNTR	Numeric	1	Number of Family Welfare Centre
50	TB_CLN	Numeric	1	Number of T.B. Clinic
51	N_HOME	Numeric	1	Number of Nursing Home
52	RMP	Numeric	2	Number of Registered Private Medical Practiotioners
53	SMP	Numeric	2	Number of Subsidised Medical Practitioners
54	CHW	Numeric	2	Number of Community Health workers
55	OTH CNTR	Numeric	1	Number of Other medical facilities
	DRNK WAT F		1	Drinking Water facility (A/NA)
	RANG WAT F		1	If not available, Provide the Range Code
	TAP	Numeric	1	Tap Water (T)
	WELL	Numeric	1	Well Water (W)
	TANK	Numeric	1	Tank Water (TK)
	TUBEWELL	Numeric	1	Tubovoli Motor (TM)
	HANDPUMP	Numeric		Tubewell Water (TW)
	RIVER	Numeric	1	Handpumb (HP)
	CANAL	Numeric	1	River Water(R)
	LAKE	Numeric		Canal (C)
	SPRING			Lake (L)
	OTHER	Numeric		Spring (S)
		Numeric	1	Other drinking water sources (O)
	SOU_SUMM	Character		Source of Drinking Water during Summer (indicate code from above)
	RANG_SS	Numeric	1	If not available, Provide the Range Code
	SS_CODE	Character	2	Source code from above as applicable
	P_T_FAC	Numeric	1	Post, Telegraph and Telephone facilities (A/NA), if available
2 F	POST_OFF	Numeric	1	Number of Post Office
	RANG_PO	Numeric	1	f not available, Provide the Range Code
	TELE_OFF	Numeric	1	Number of Telegraph Office
	POST_TELE	Numeric	1	Number of Post and Telegraph Office
	PHONE	Numeric	3	Number of Telephone connections
	RANG_PHONE	Numeric	1 1	f not available, Provide the Range Code
	COMM_FAC	Numeric	1 (	Communication (Y/N)
	BS_FAC	Numeric		Bus services
) R	RANG_BS	Numeric		f not available, Provide the Range Code
	RS_FAC	Numeric	1 F	Railways services
2 R	RANG_RS	Numeric		f not available, Provide the Range Code
		Numeric	1 1	Navigable water way including River, Canal etc.
	RANG NW		1 1	Tarigadio mator way including River Canal etc

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### CENSUS OF INDIA, 2001 DISTRICT CENSUS HANDBOOK RECORD STRUCTURE: VILLAGE DIRECTORY

SI. No.	FIELD NAME	DATA TYPE	WIDTI	REMARKS
85	BANK_FAC	Numeric	1	Banking facility (Y/N)
86	COMM_BANK	Numeric	1	Number of Commercial Bank
87	RANG_COMM	Numeric	1	If not available, Provide the Range Code
88	COOP_BANK	Numeric	1	Number of Co-operative Commercial Bank
89	RANG_COOP	Numeric	1	If not available, Provide the Range Code
90	CRSOC_FAC	Numeric	1	Credit Societies (Y/N)
91	AC_SOC	Numeric	1	Number of Agricultural Credit Societies
92	RANG_ACS	Numeric	1	If not available, Provide the Range Code
93	NAC_SOC	Numeric	1	Number of Non Agricultural Credit Societies
94	RANG_NAC	Numeric	1	If not available, Provide the Range Code
95	OTHER_SOC	Numeric	1	Number of Other Credit Societies
96	RANG_OTH	Numeric	1	If not available, Provide the Range Code
97	RC_FAC	Numeric	1	Recreational and Cultural facilities (Y/N)
98	C_V_HALL	Numeric	1	Number of Cinema/Video-hall
99	RANG_CV	Numeric	1	If not available, Provide the Range Code
	SP_CL_FAC	Numeric	1	Number of Sports Club
	RANG_SPCL	Numeric	1	If not available, Provide the Range Code
	ST_AU_FAC	Numeric	1	Number of Stadium/Auditorium
103	RANG_STAU	Numeric	1	If not available, Provide the Range Code
				Approach to Village (Y/N)
104	APP_PR	Numeric	1	Approach - Paved Road
105	APP_MR	Numeric	1	Approach - Mud Road
106	APP_FP	Numeric	1	Approach - Foot Path
107	APP_NAVRIV	Numeric	1	Approach - Navigable River
108	APP_NAVCAN	Numeric	1	Approach - Navigable Canal
09	APP_NW	Numeric	1	Approach - Navigable water-way other than river or canal
110	NEAR_TOWN	Character	15	Nearest Town
11	DIST_TOWN	Numeric	3	Distance from the nearest Town (in Kilometer(s))
12	POWER_SUPL	Numeric	1	Power supply (A/NA)
13	POWER_DOM	Numeric	1	Electricity for Domestic use
14	POWER AGR	Numeric	1	Electricity of Agricultural use
15 I	POWER_OTH	Numeric	1	Electricity of other purposes
16	POWER_ALL	Numeric	1	Electricity for all purposes
	PAP_MAG	Numeric	1	News paper/Magazine (Y/N)
18 1	NEWS_PAP	Character	1	News Paper (Indicate N, if arrived)
19 N	MAGAZINE	Character		Magazine (indicate M, if arrived)
				Income and Expenditure of the village (in Rs.' 00)
20 A	A_INCEXP	Numeric	1	Separate figures available (Y/N), if Yes:
21 7	TOT_INC	Numeric	10	Total Income
	TOT_EXP	Numeric	10	Total Expenditure  Most Important Commodities manufactured
23 N	MAN COMM1	Character	15	Manufactured Item No. 1
	MAN COMM2	Character		Manufactured Item No. 1  Manufactured Item No. 2
	MAN COMM3	Character		
		Onaraciel		Manufactured Item No. 3
				Land use i.e. area under different types (rounded upto two
				decimal places ) in hectares

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# CENSUS OF INDIA, 2001 DISTRICT CENSUS HANDBOOK RECORD STRUCTURE: VILLAGE DIRECTORY

SI. No.	FIELD NAME	DATA TYPE	WIDTH	REMARKS	
126	LAND_FORES	Numeric	9.2	Forest Irrigated (by source)	
127	CANAL_GOVT	Numeric	9.2	Government Canal	
128	CANAL_PVT	Numeric	9.2	Private Canal	
129	WELL_WO_EL	Numeric	9.2	Well (without electricity)	
130	WELL_W_EL	Numeric	9.2	Well (with electricity)	
131	TW_WO_EL	Numeric	9.2	Tube-well (without electricity)	
132	TW_W_EL	Numeric	9.2	Tube-well (with electricity)	
133	TANK_IRR	Numeric	9.2	Tank	
134	RIVER_IRR	Numeric	9.2	River	
135	LAKE_IRR	Numeric	9.2	Lake	
136	W_FALL	Numeric	9.2	Waterfall	
137	OTH_IRR	Numeric	9.2	Others	
138	TOT_IRR	Numeric	9.2	Total Irrigated Area	
139	UN_IRR	Numeric	9.2	Unirrigated Area	
140	CULT_WASTE	Numeric	9.2	Cultivable waste (including gauchar and groves)	
141	AREA_NA_CU	Numeric	9.2	Area not available for cultivation	

(Y/N) = YES/NO (A/NA) = AVAILABLE/NOT AVAILALBLE

Codes used for --(Y/N) or (A/NA) are--

VALUE IS: 1- FOR YES OR AVAILABLE, AND 2- FOR NO OR NOT AVAILABLE 0- For Nil information/Not available

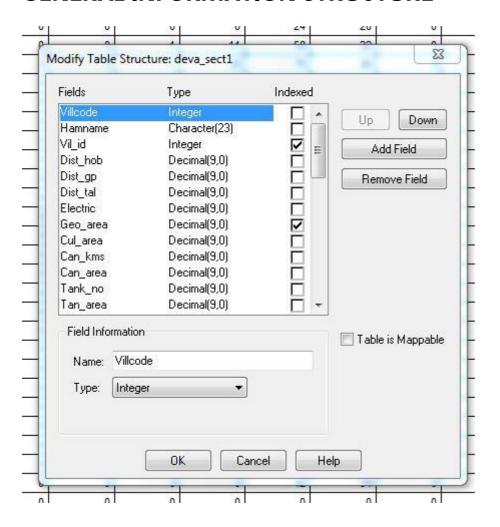
Codes used for giving distance by ranges where amenites are not available are-RANGE CODE 1 FOR < 5 Kms RANGE CODE 2 FOR 5 TO 10 Kms RANGE CODE 3 FOR > 10 Kms

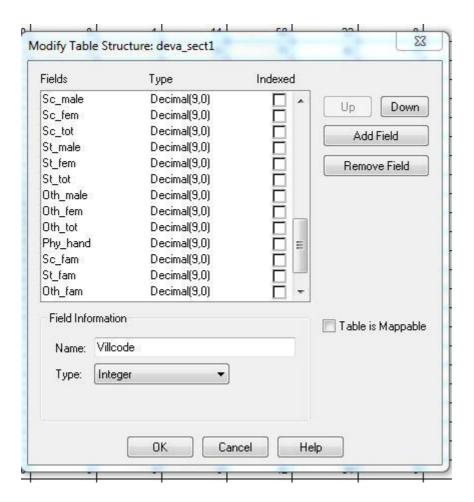
Note: In case the village is having electricity for all purposes, code '1' is given in column number 116 and code '0' is used in column number 113, 114 & 115 i.e.-- for 'Power domestic', 'Power agricultural' and 'Power for other purposes' instead of code '1'.

# SOME SAMPLE SCREEN SHOTS OF SAMANYA MAHITHI DATA STRUCTURE:

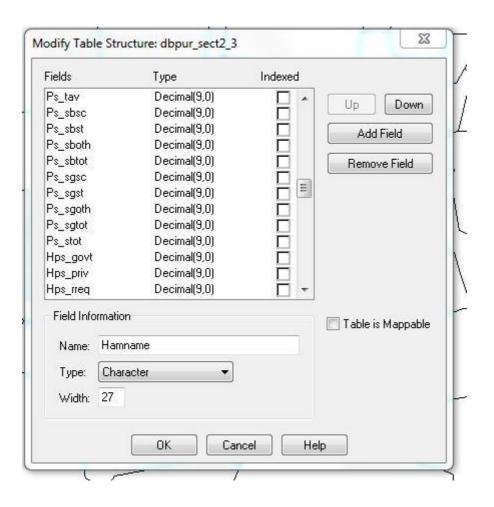
Totally it contains more than 300 fields.

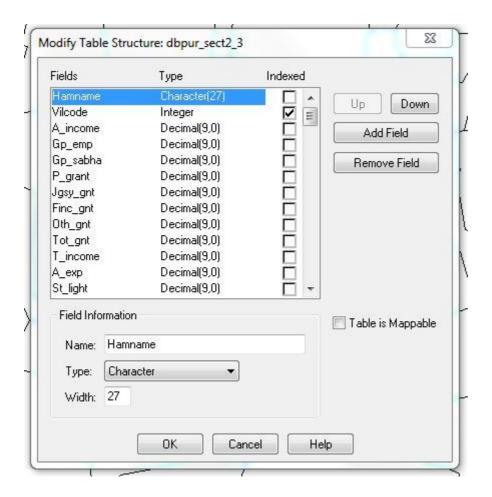
# **GENERAL INFORMATION STRUCTURE**



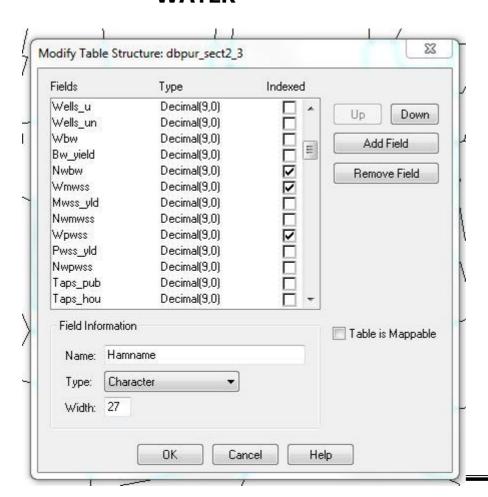


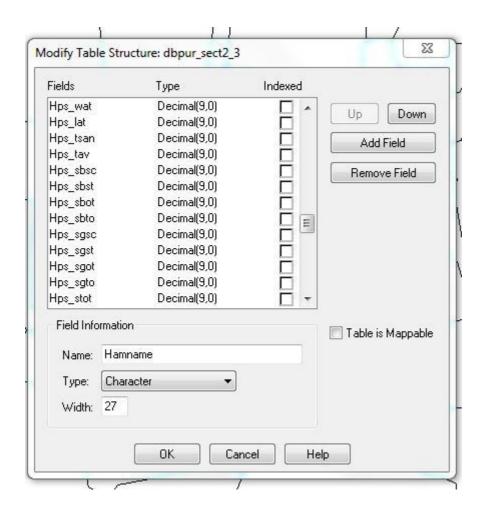
## **EDUCATION**



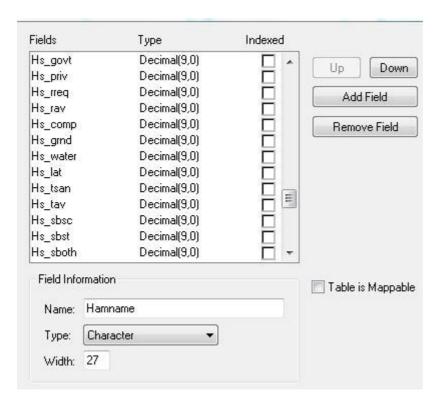


## **WATER**

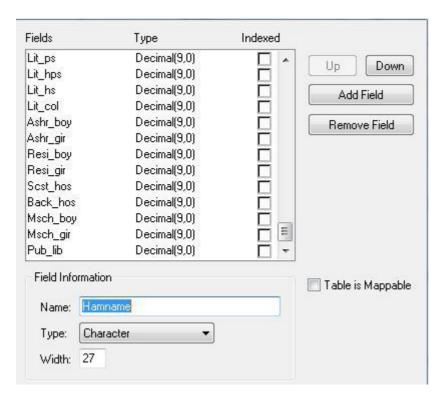




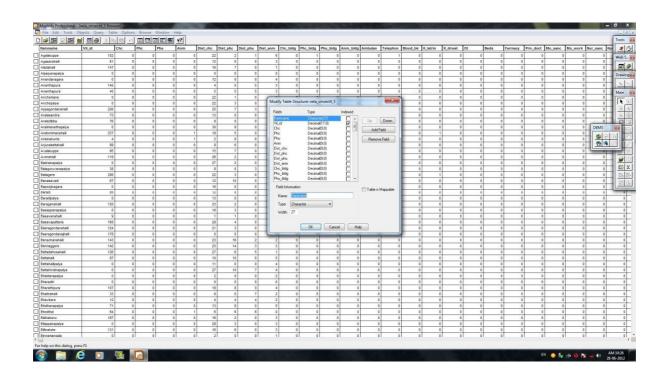
### **EDUCATION**



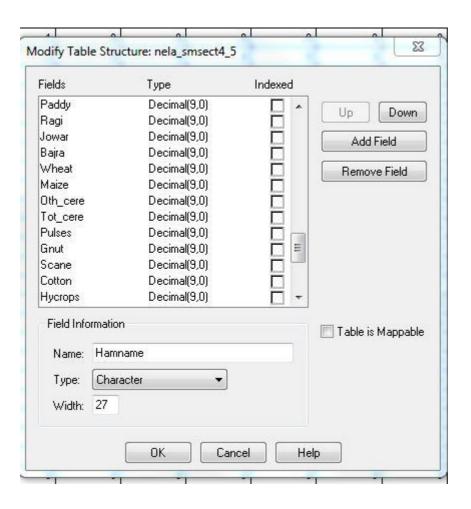
# **ADULT EDUCATION**



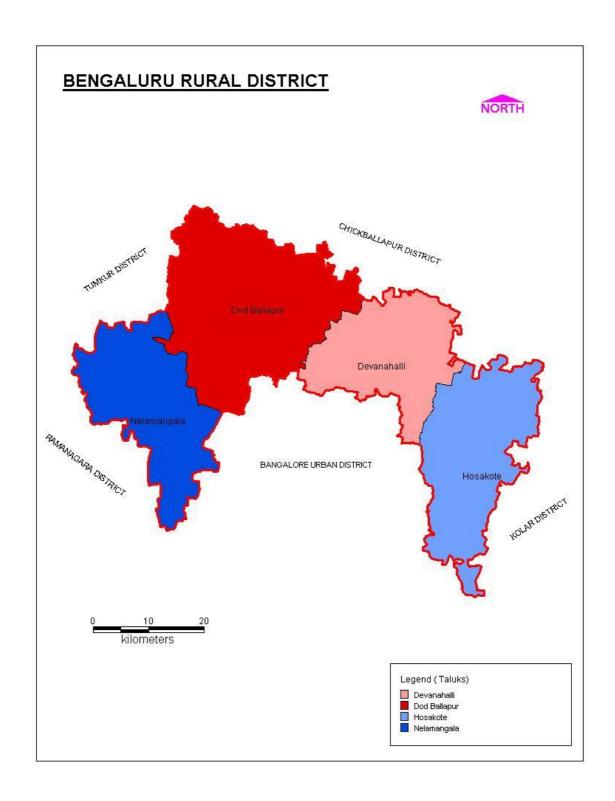
# **HEALTH SECTOR**

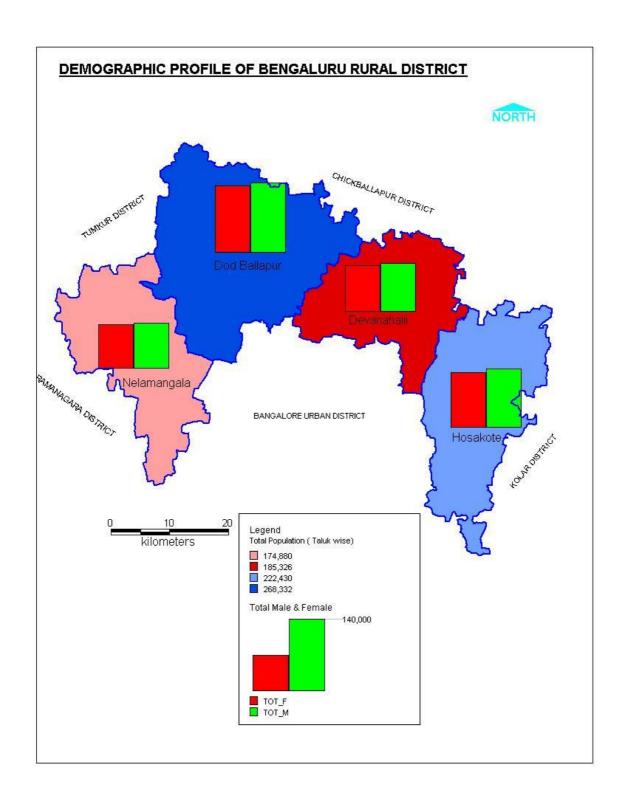


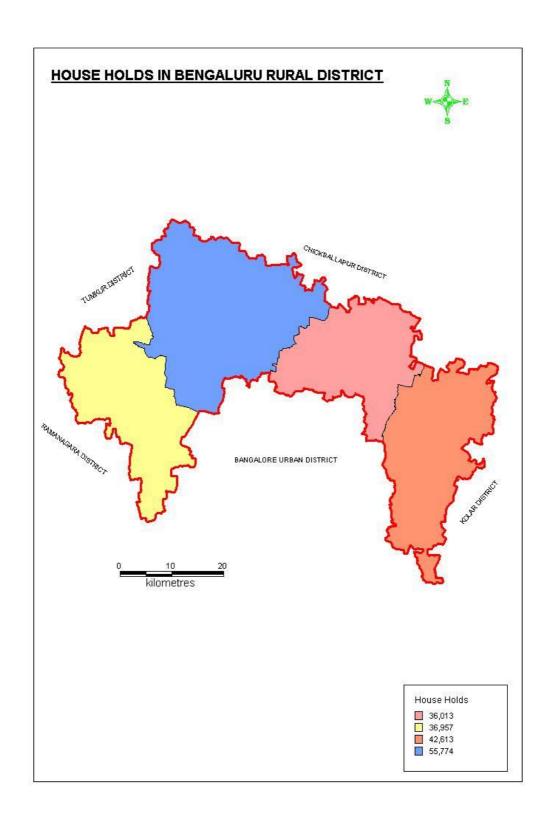
# **AGRICULTURE**

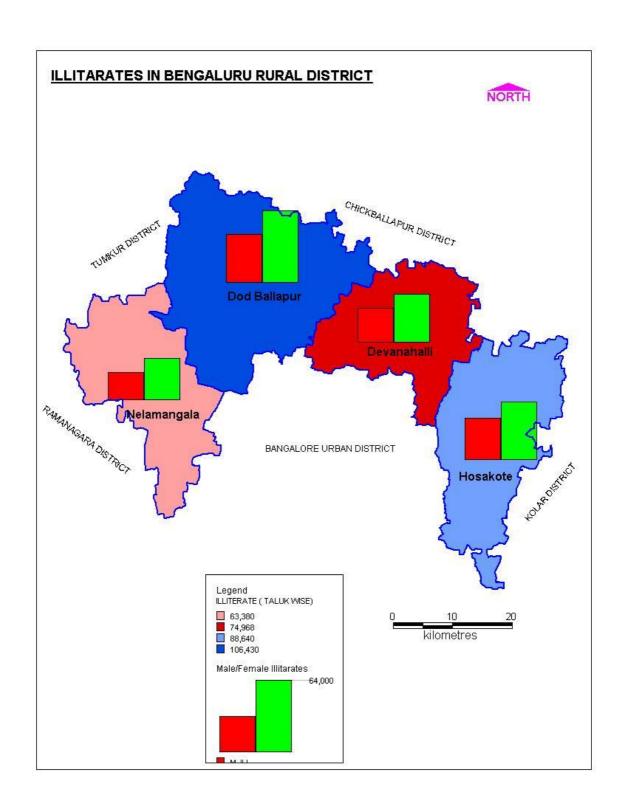


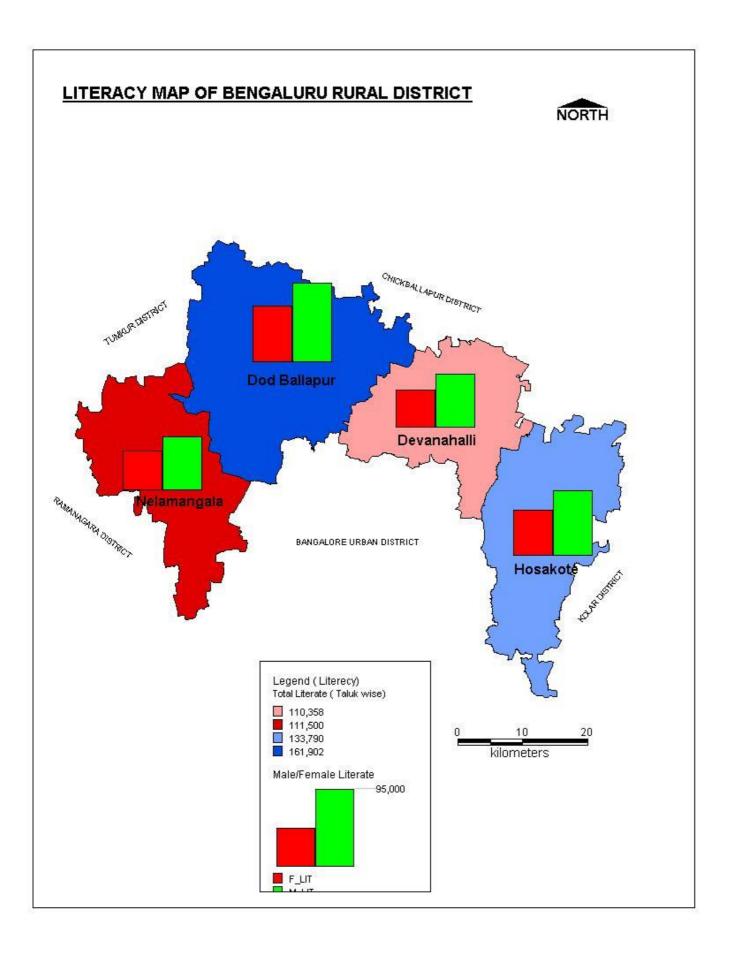
# DEMOGRAPHY MAPS

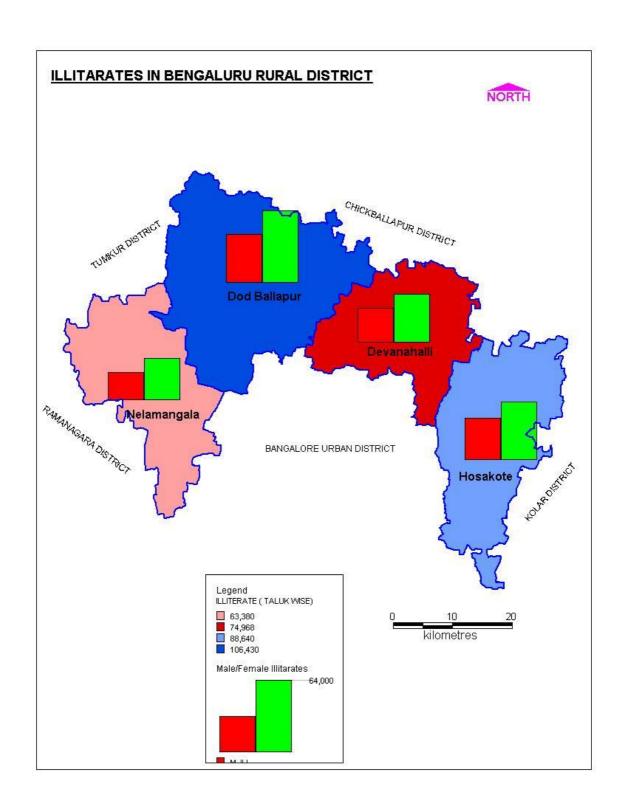


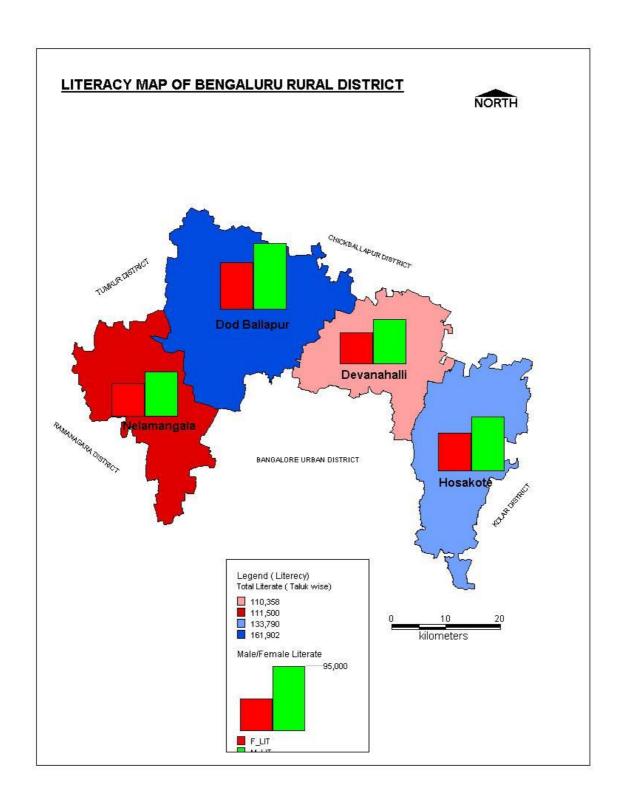


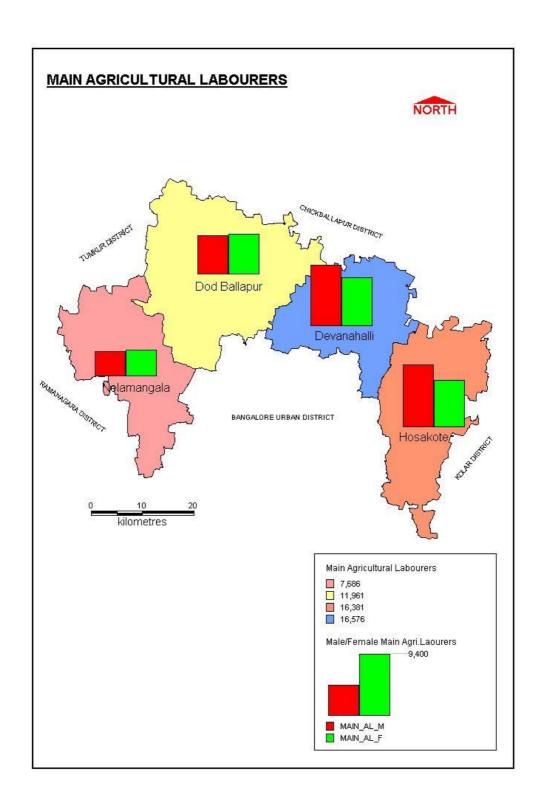


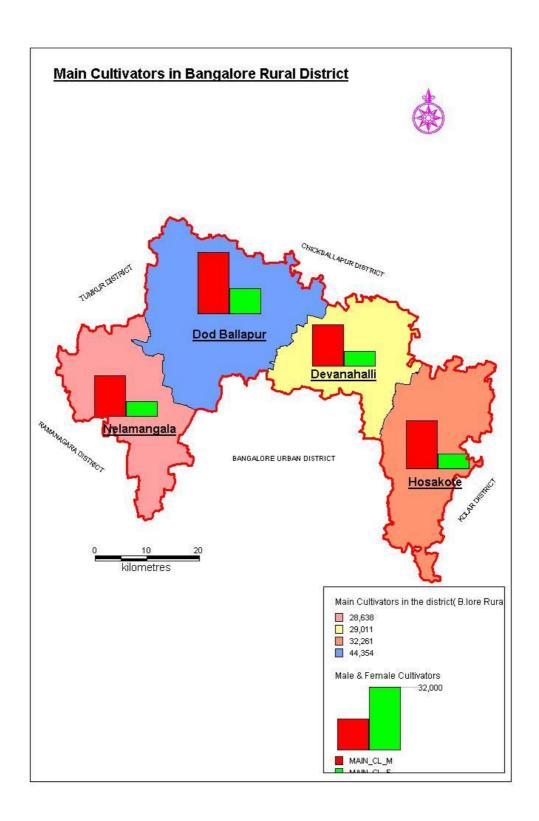


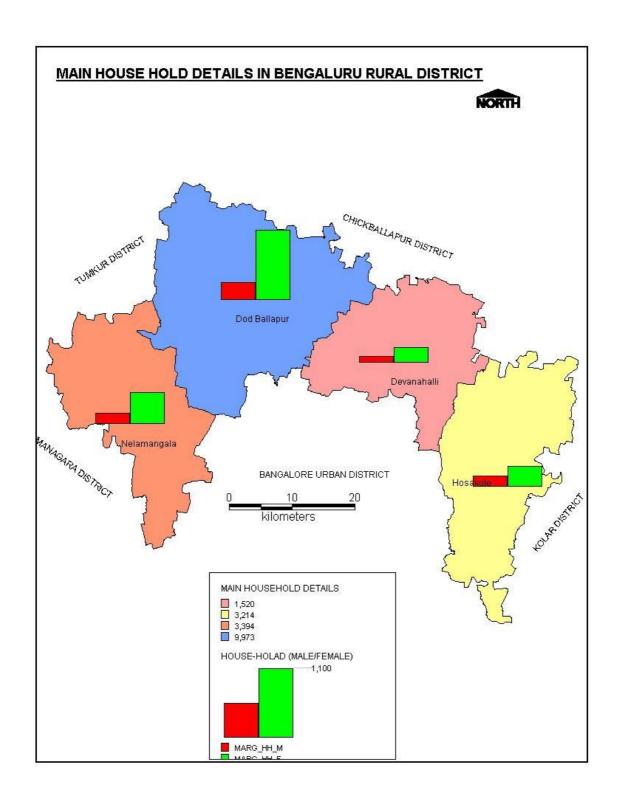


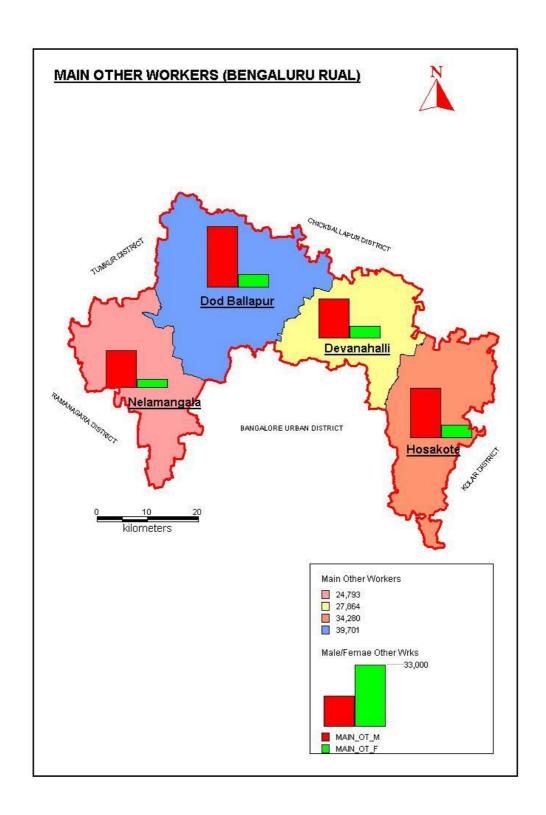


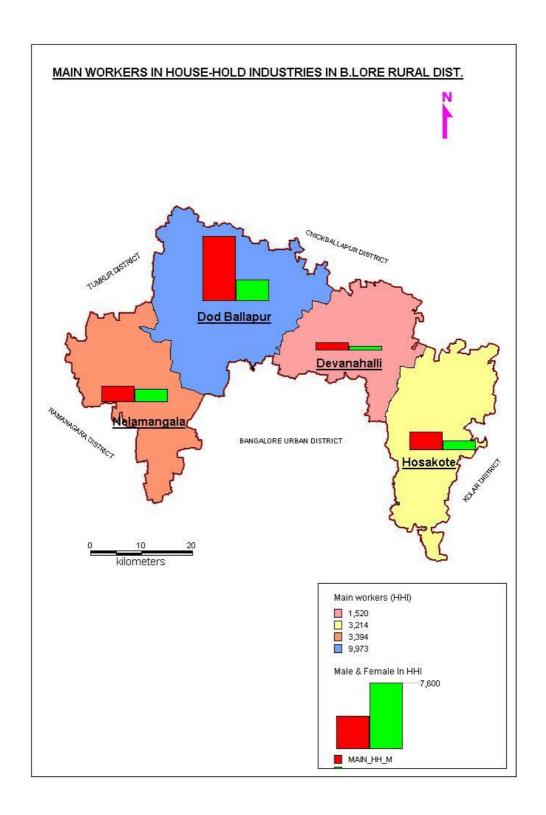


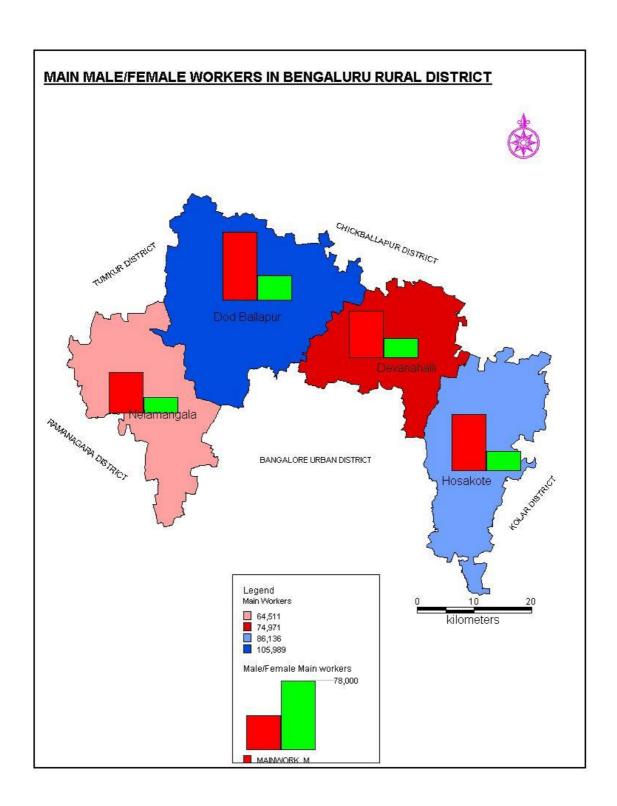


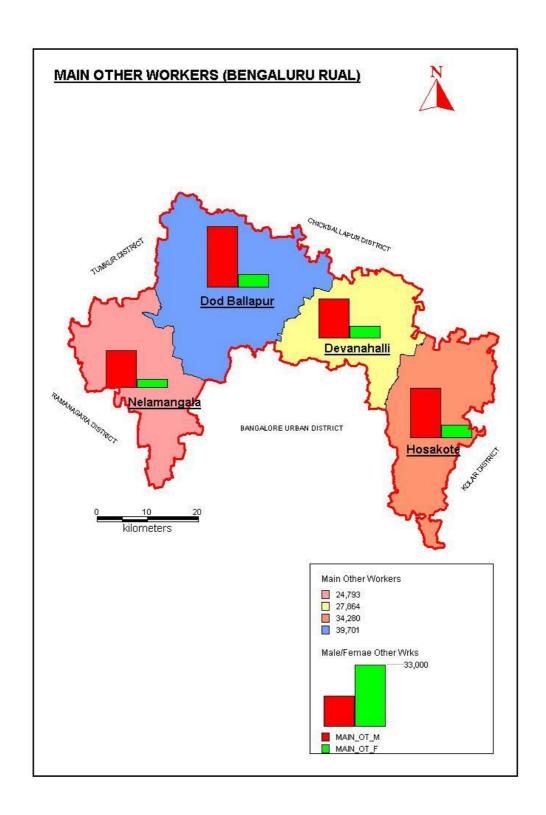


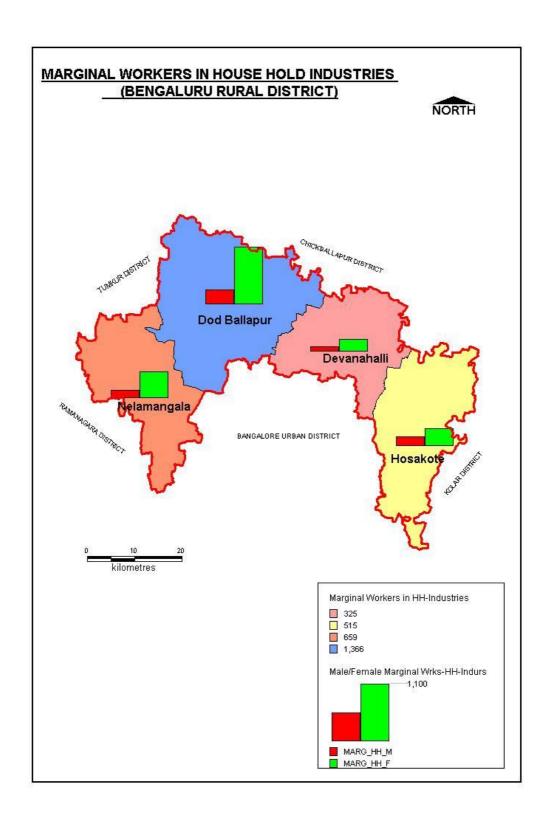


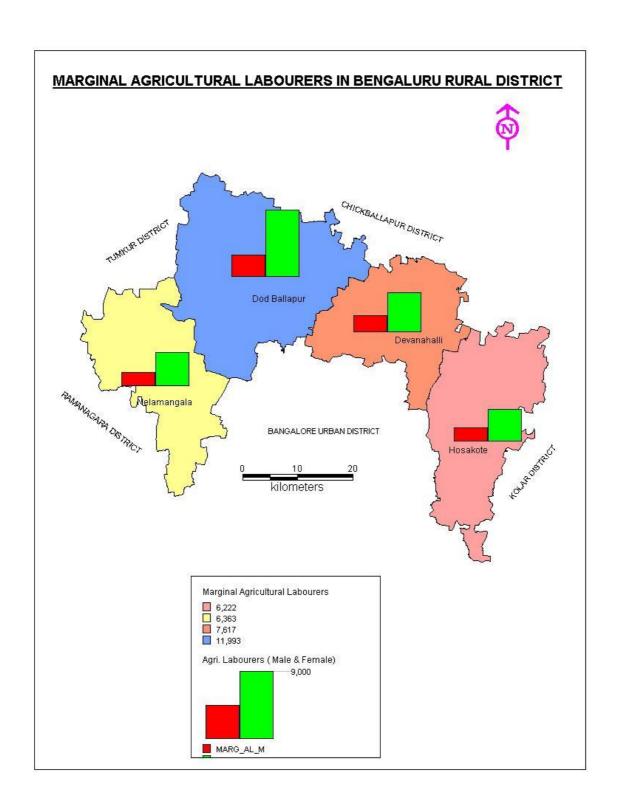


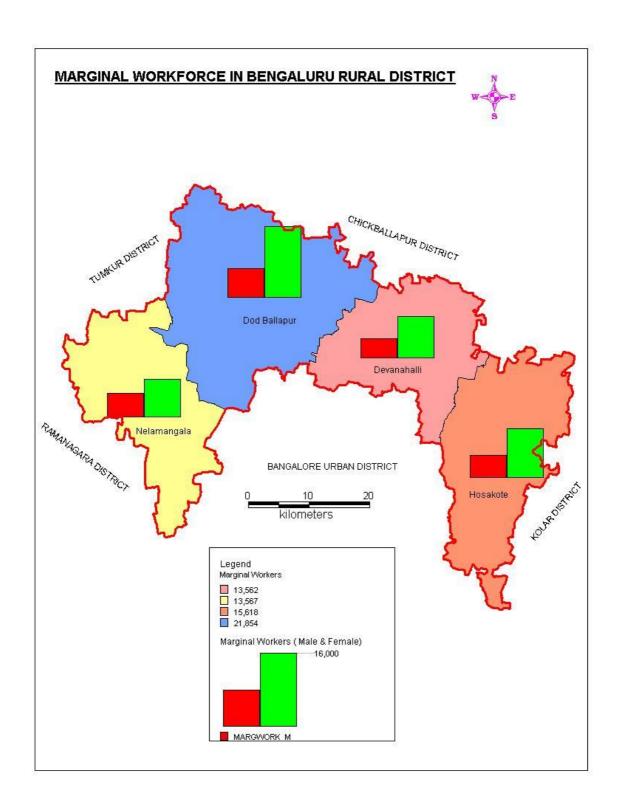


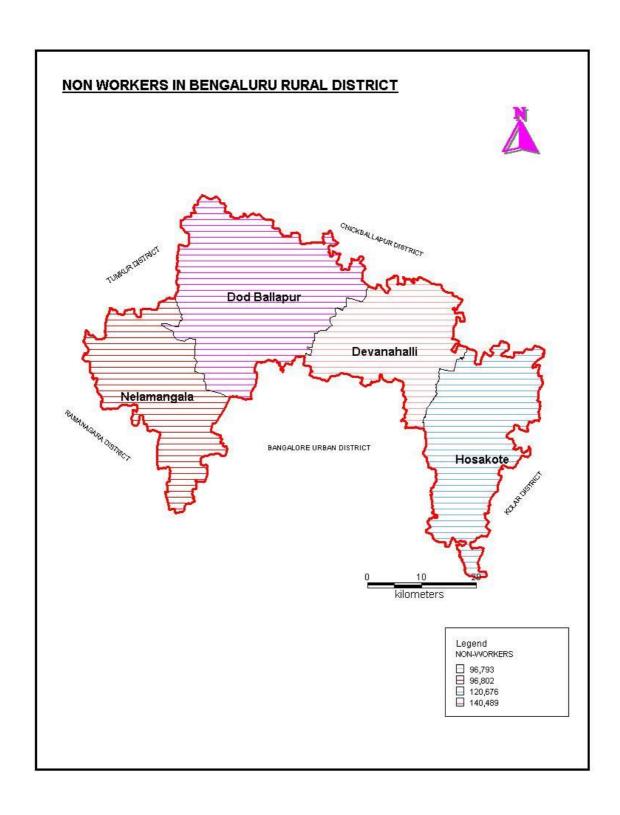


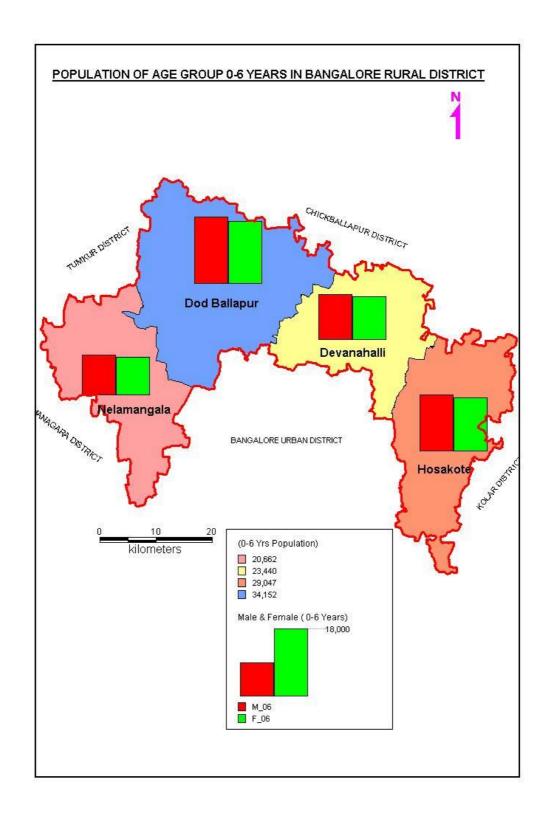


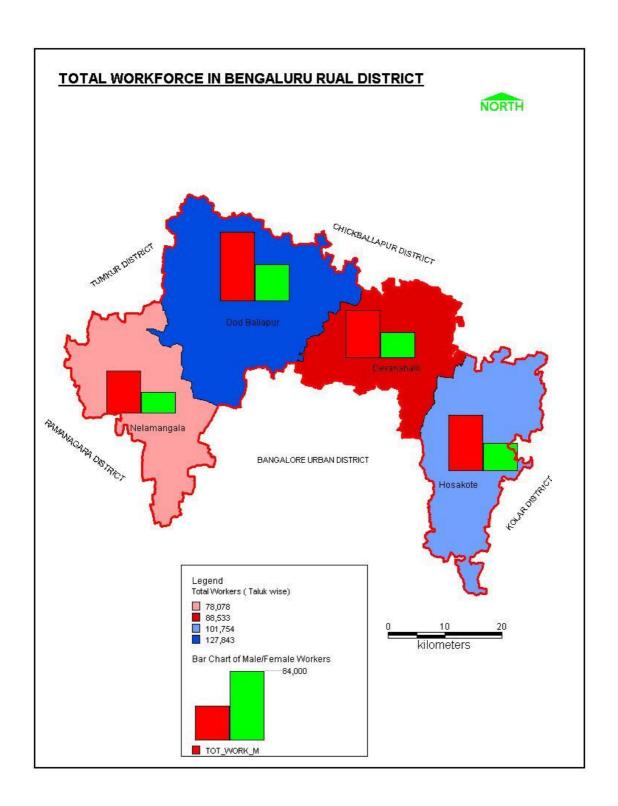


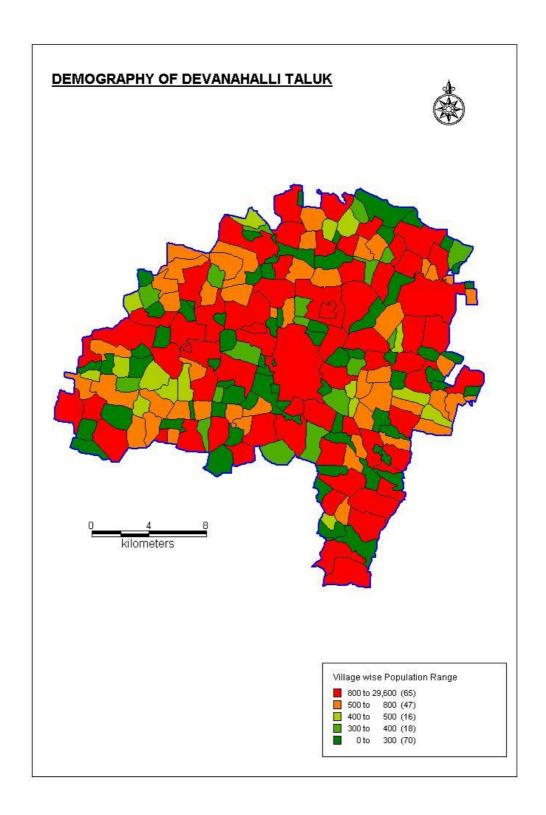


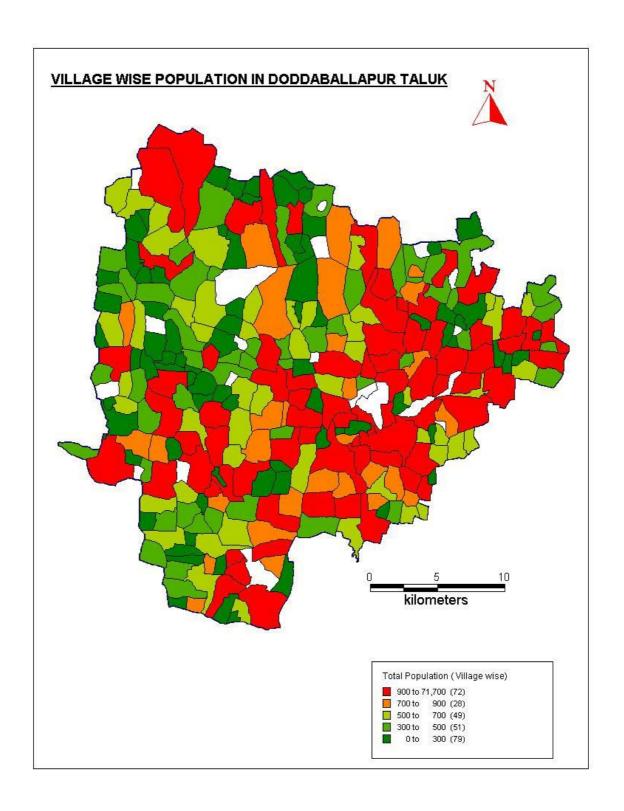


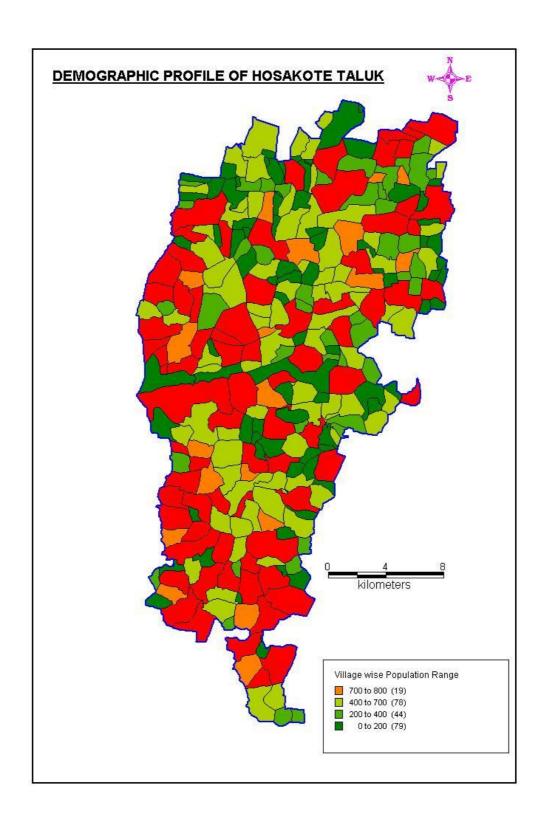


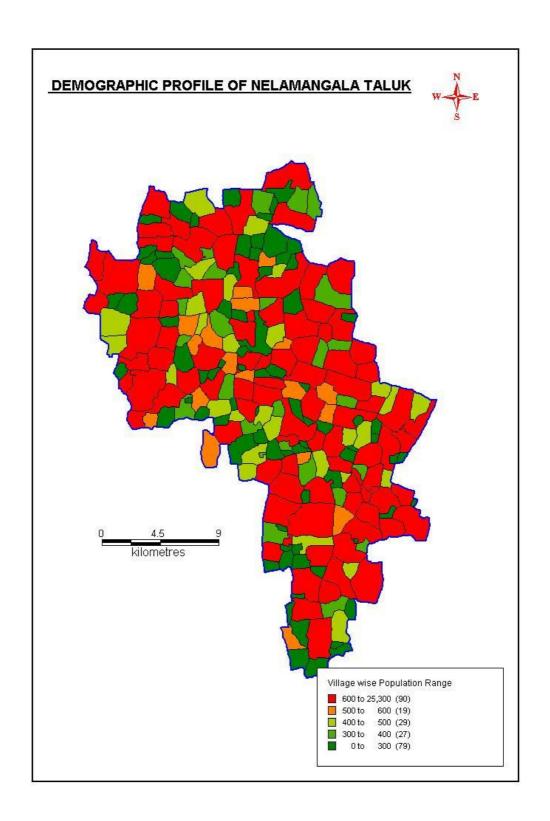




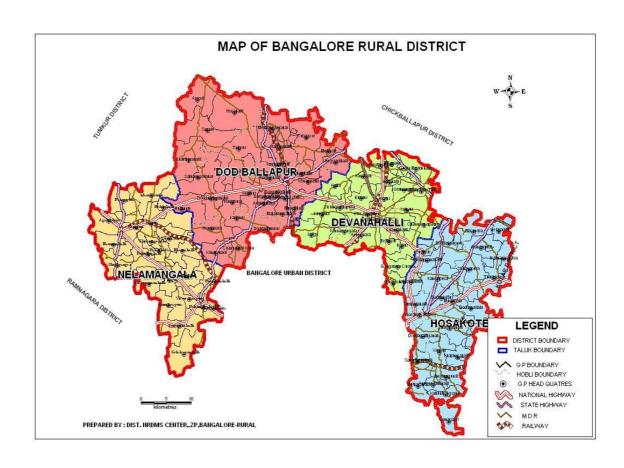


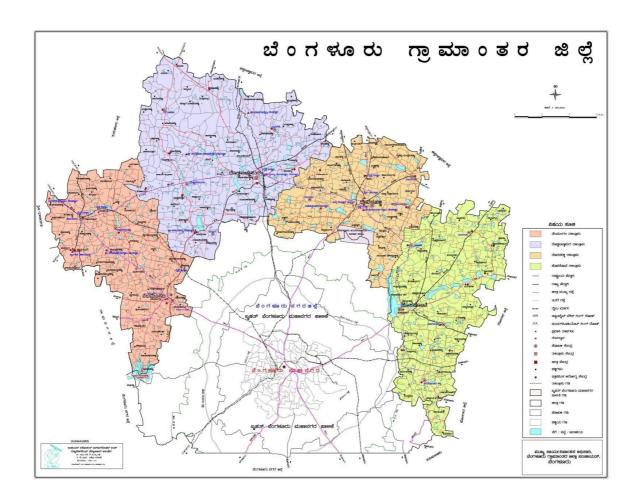


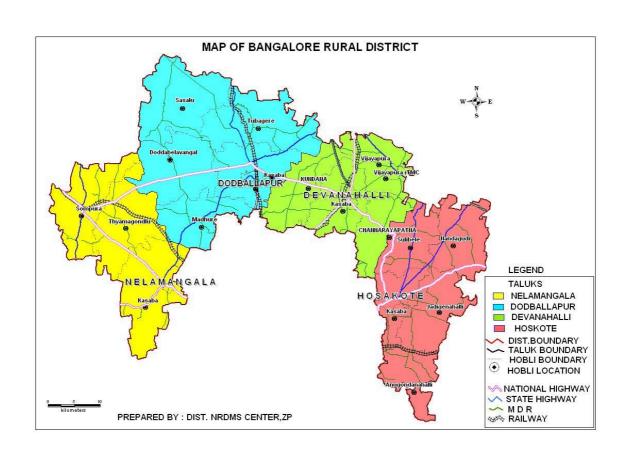


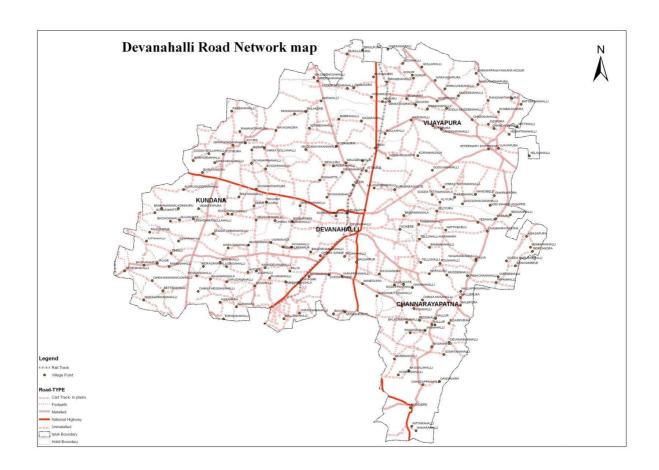


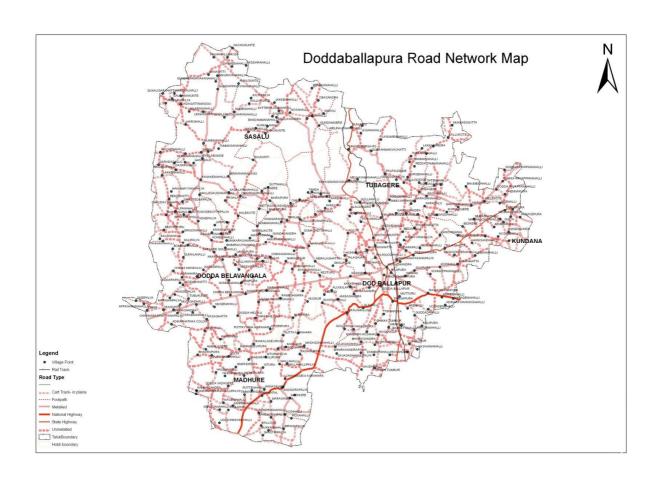
#### **DISTRICT ADMINSTRATIVE MAPS**

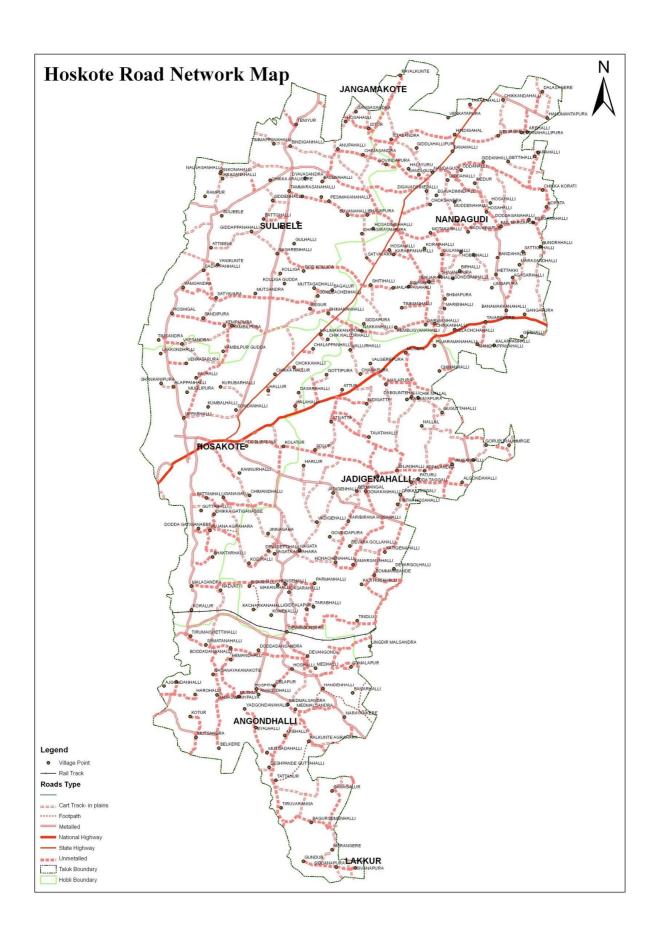


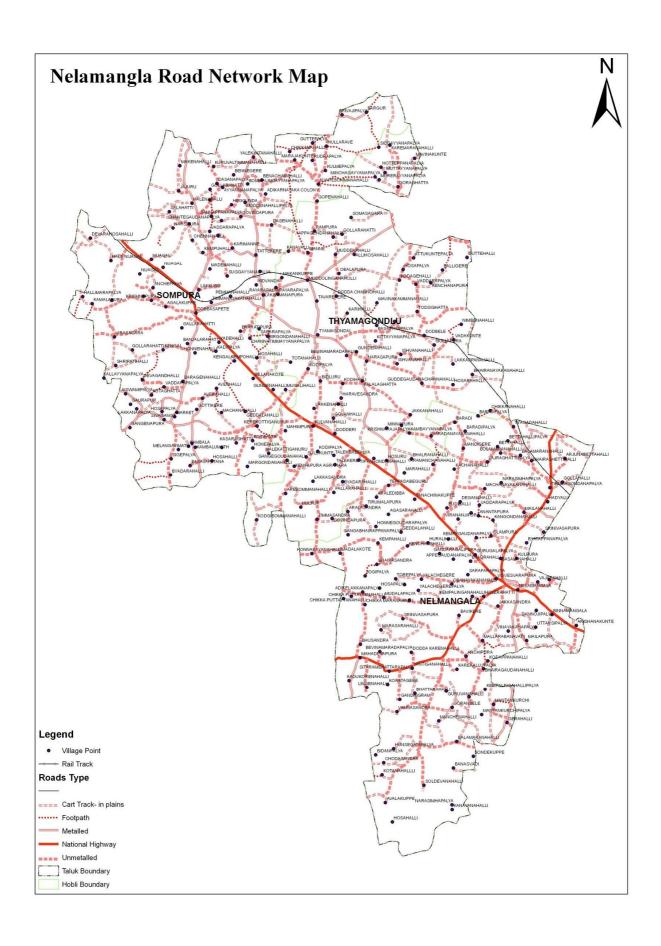


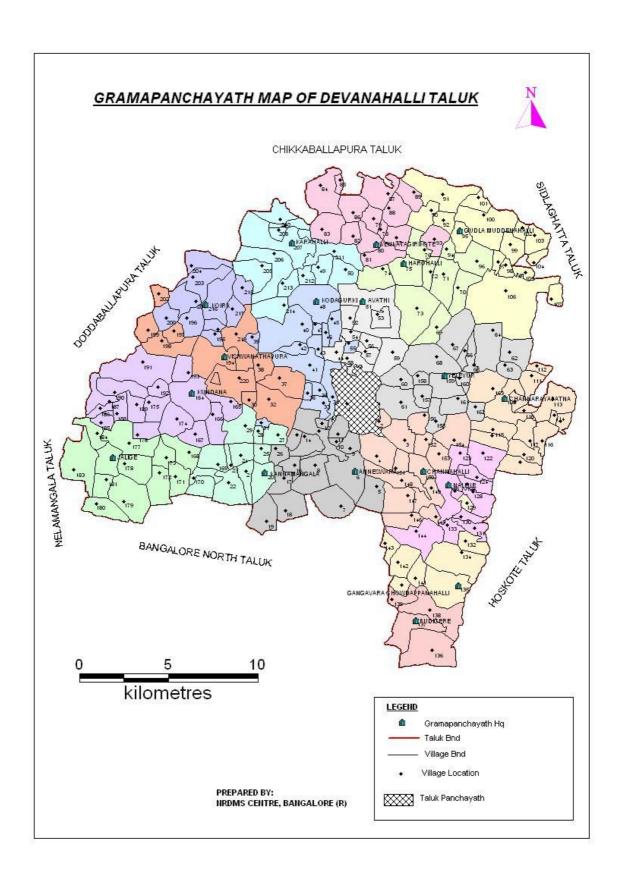


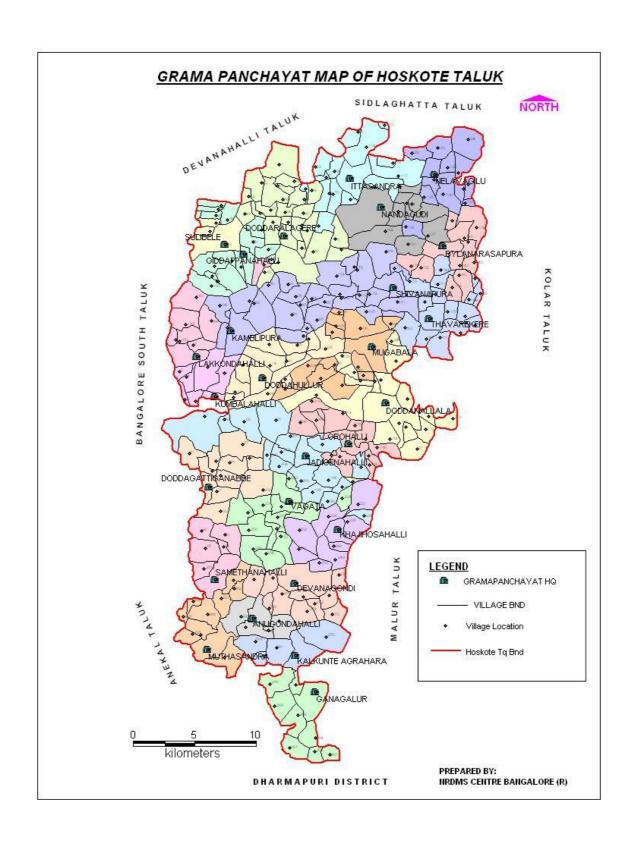


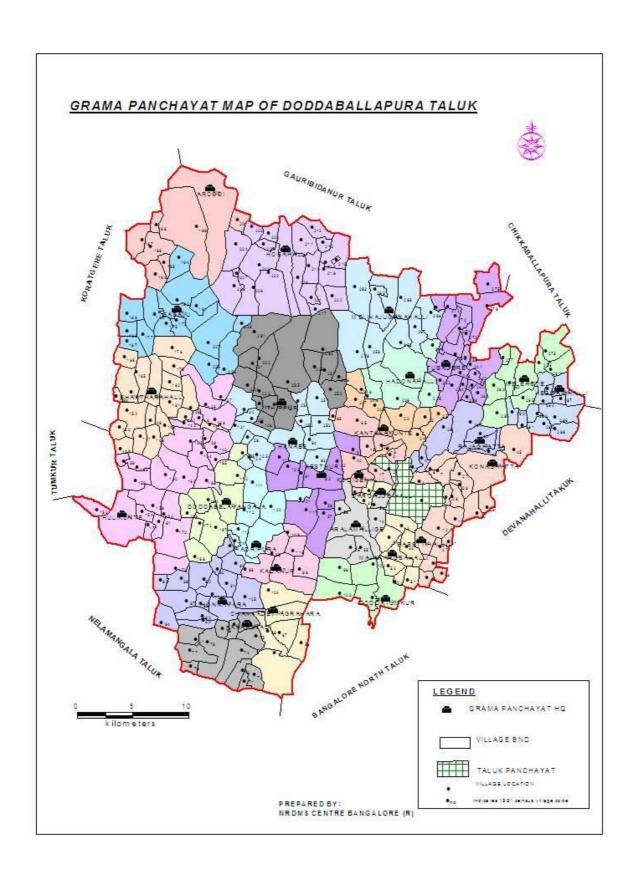


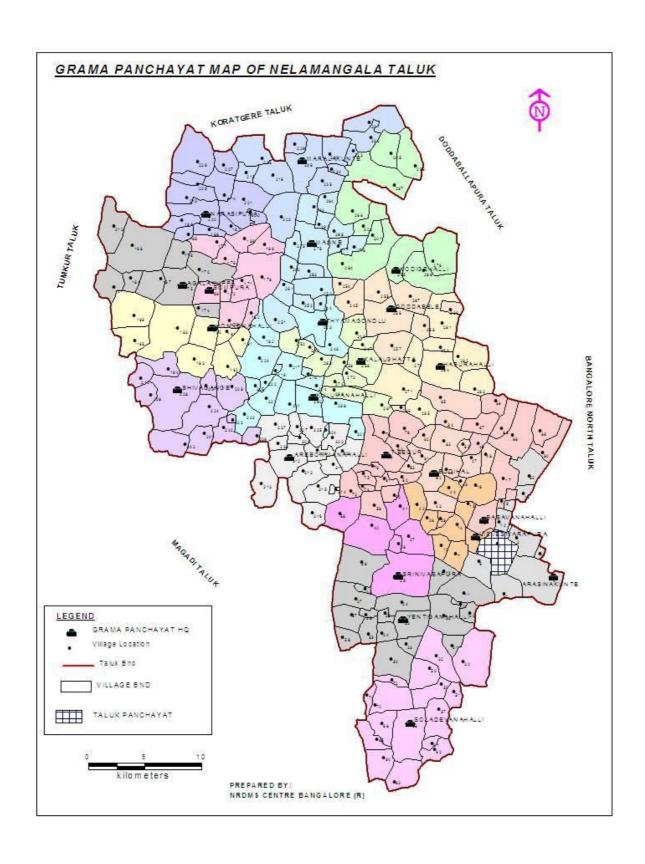




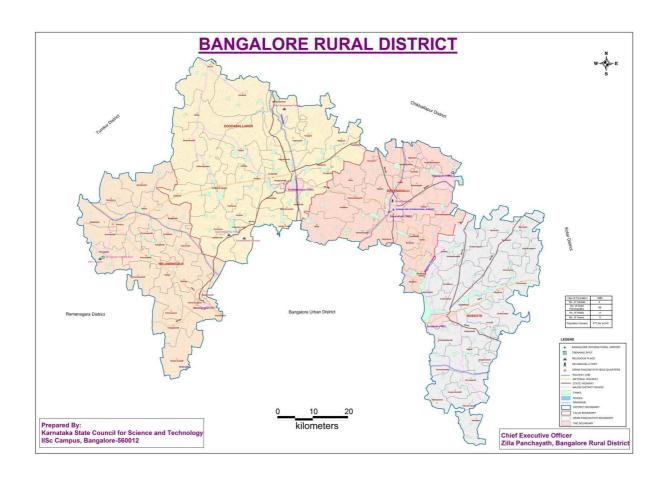


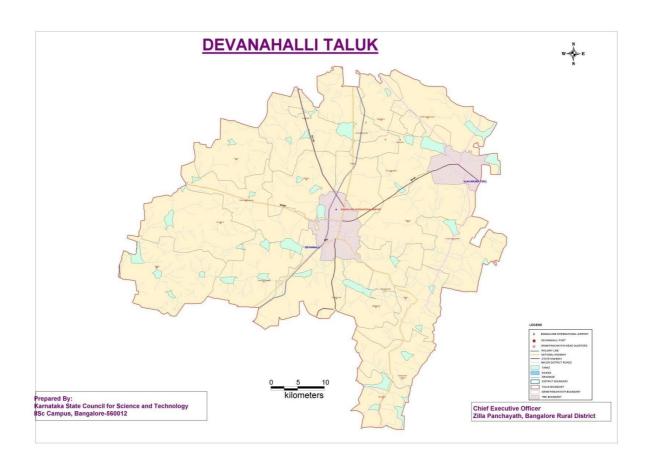


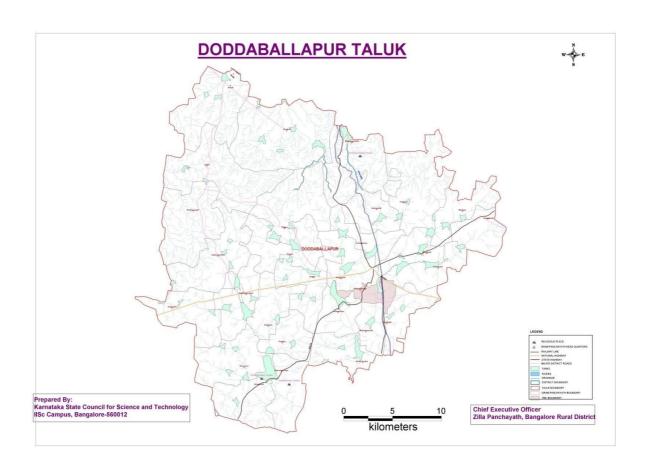


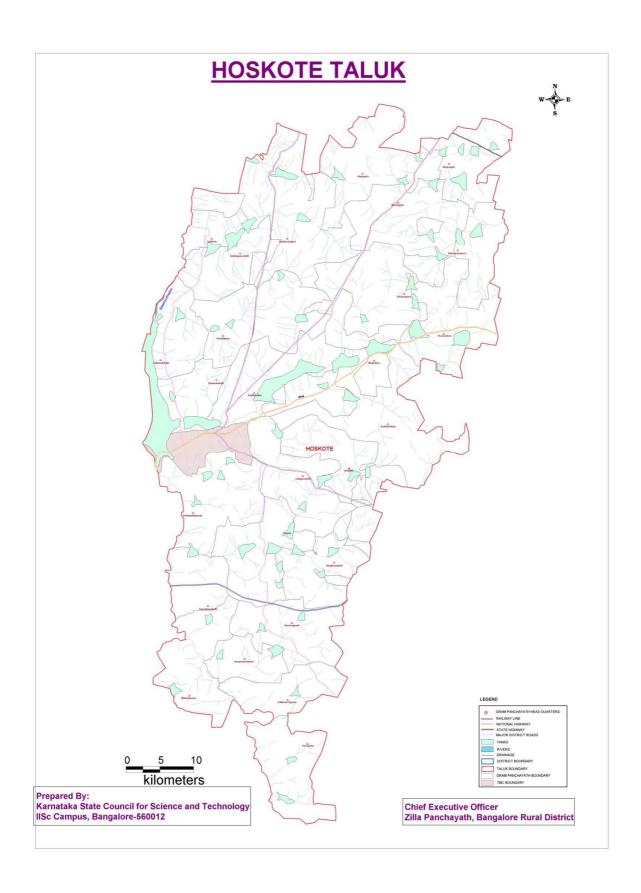


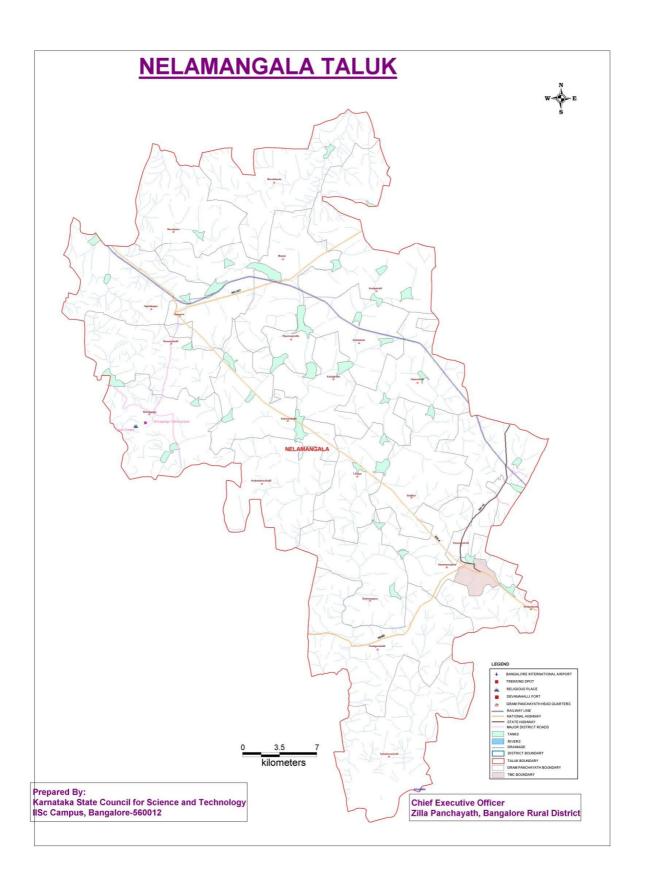
## DISTRICT, TALUKS AND HOBLIES MAPS

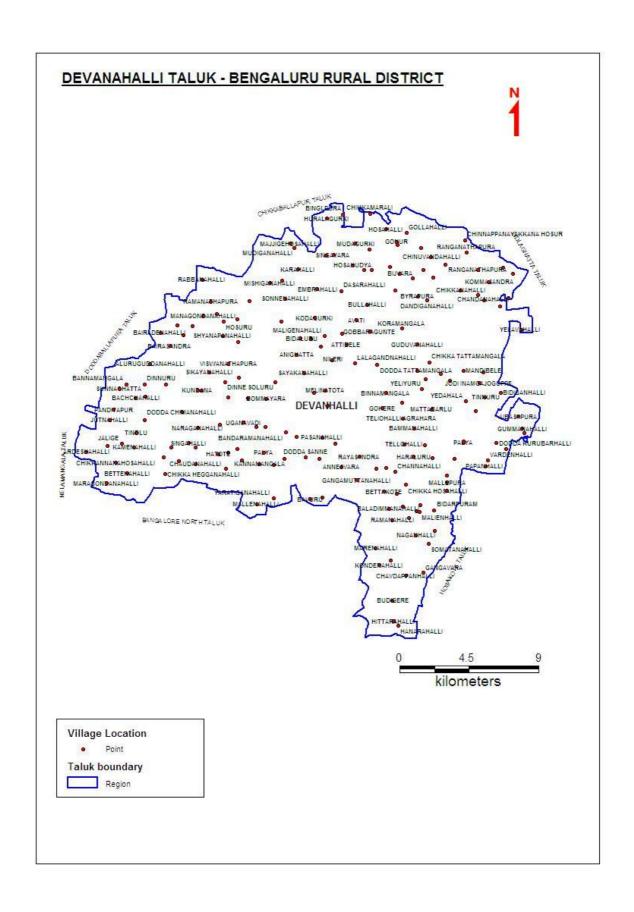


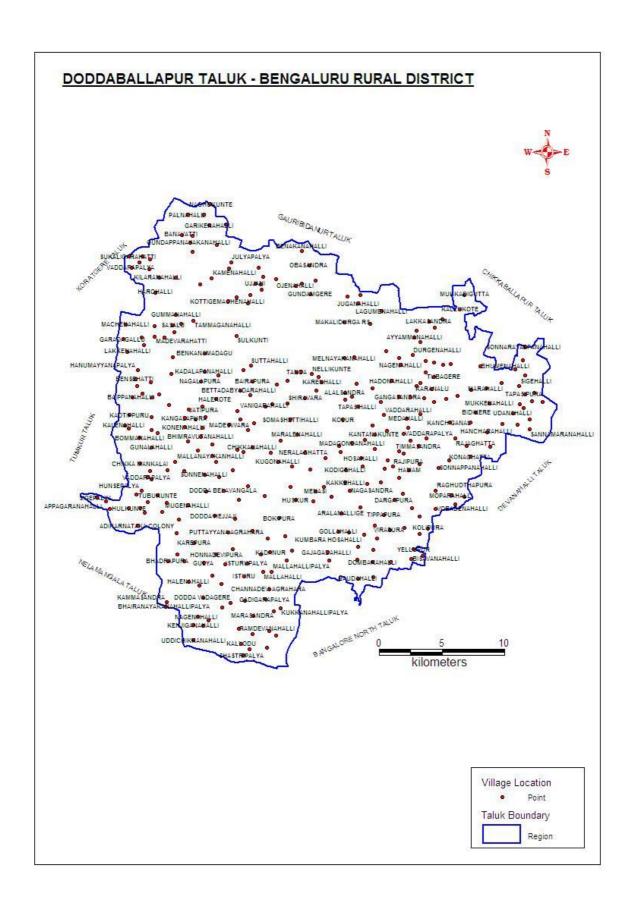


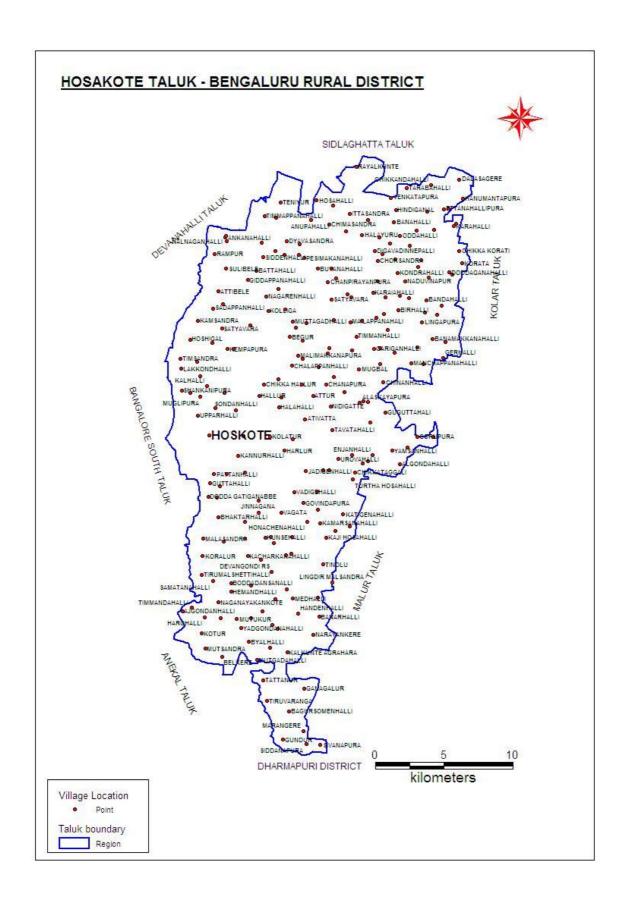


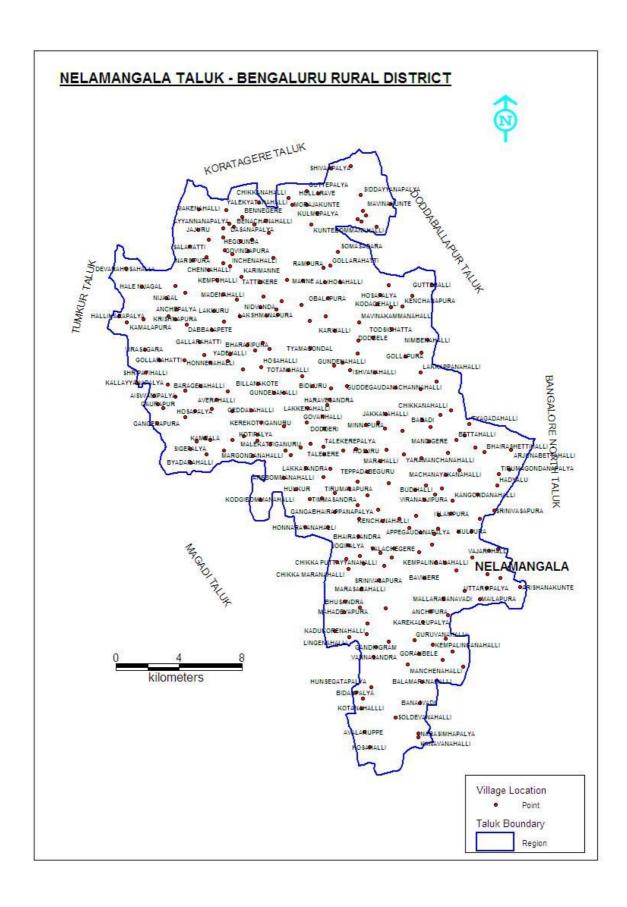


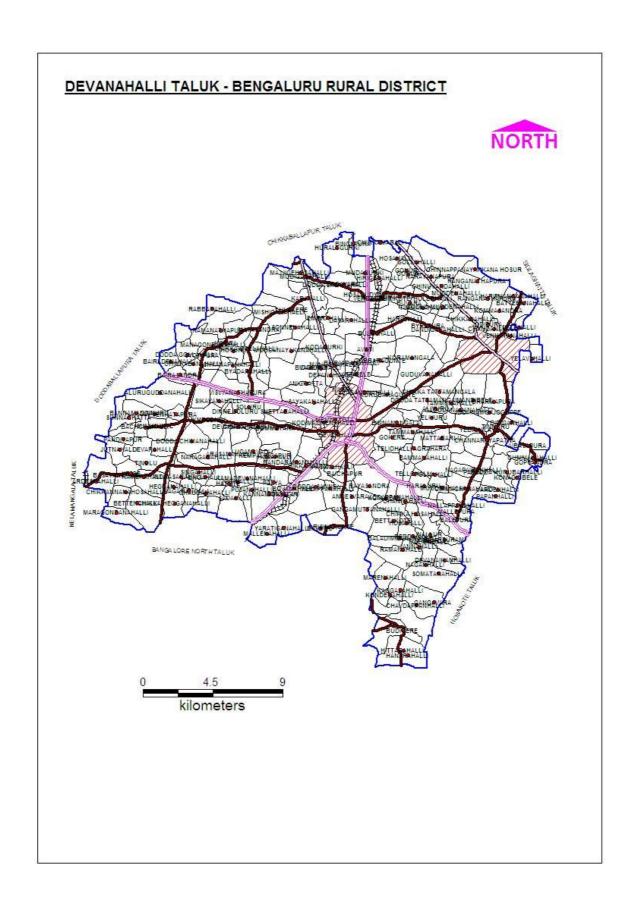


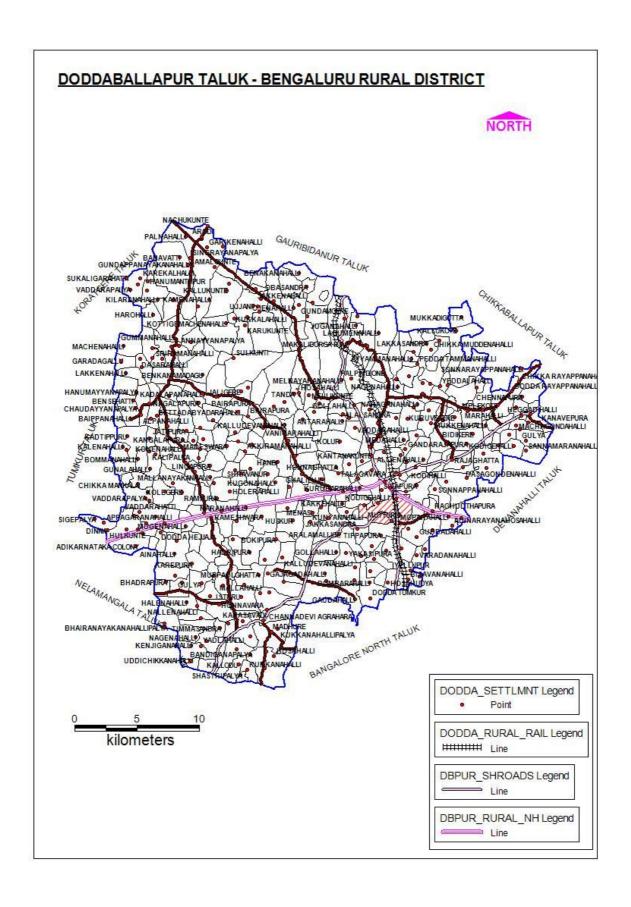


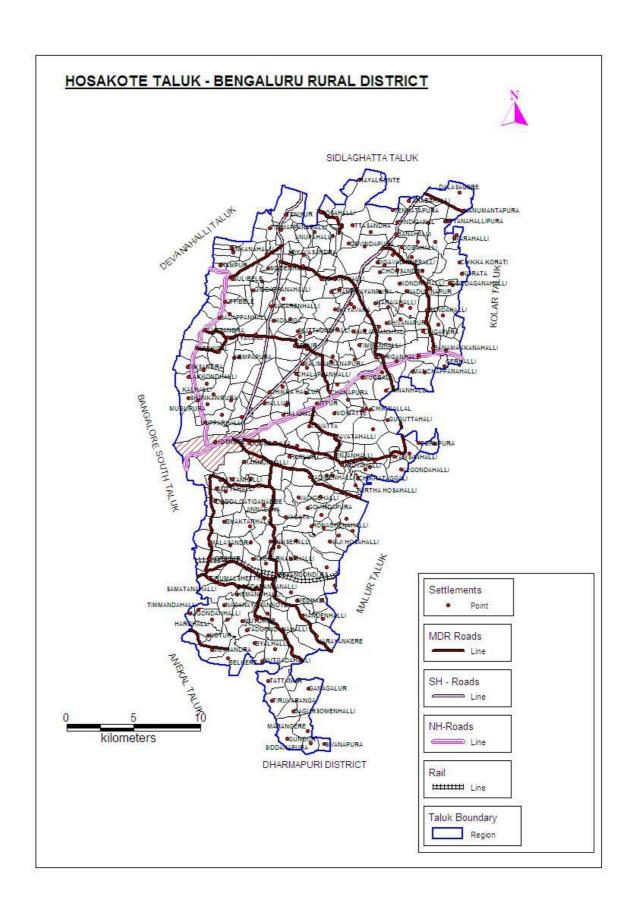


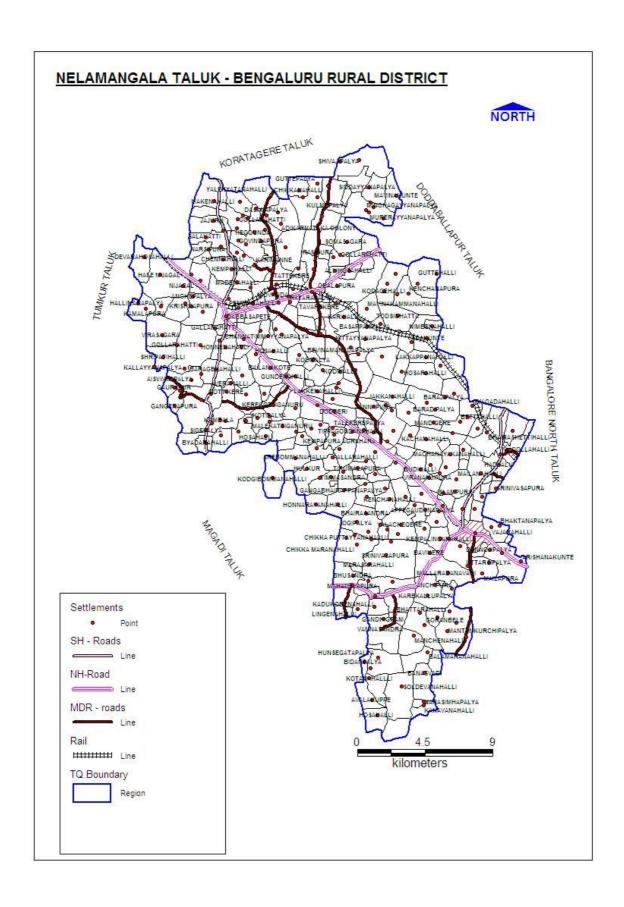


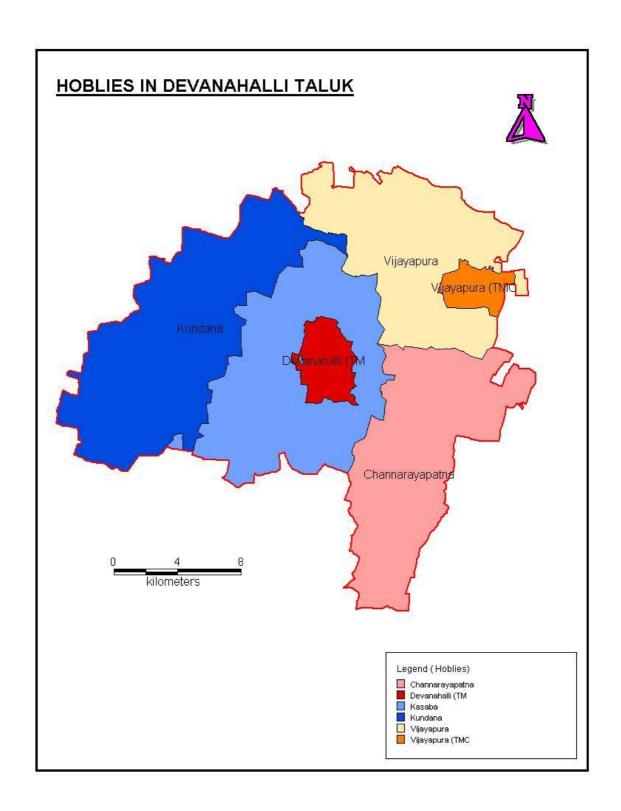


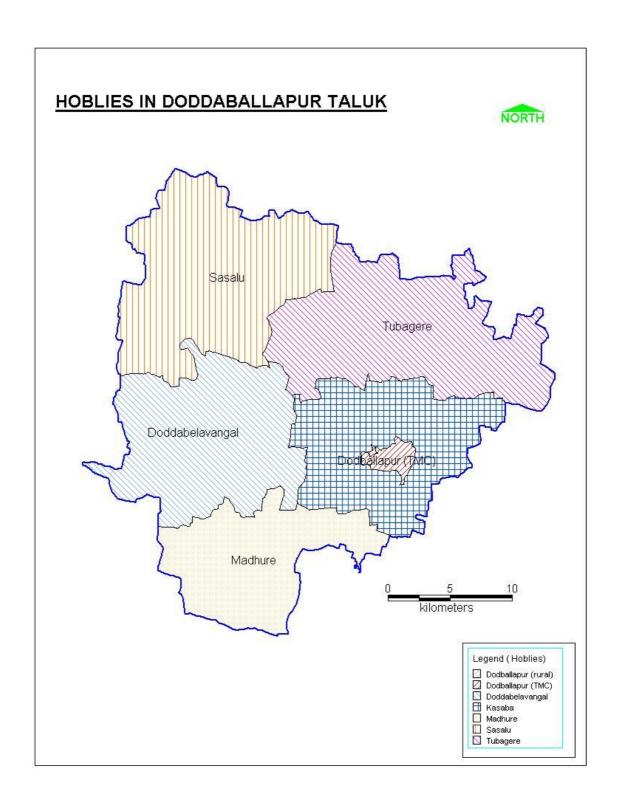


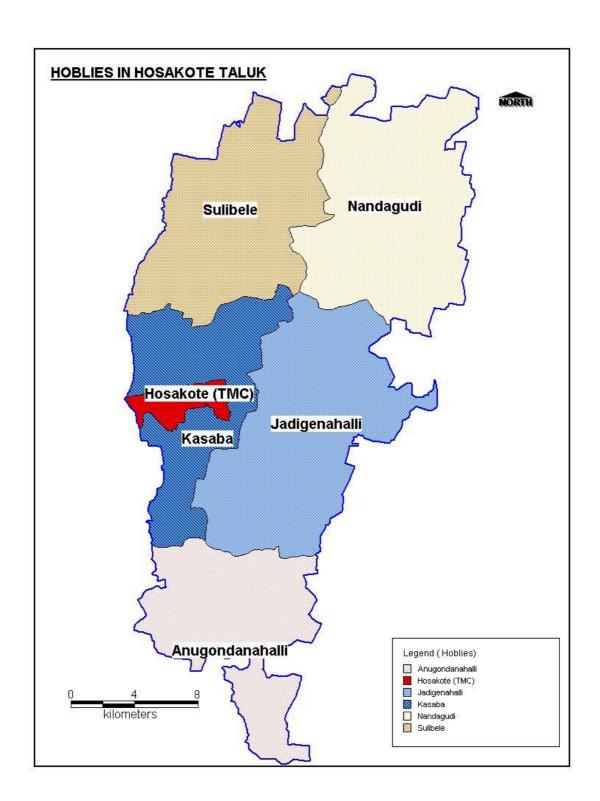


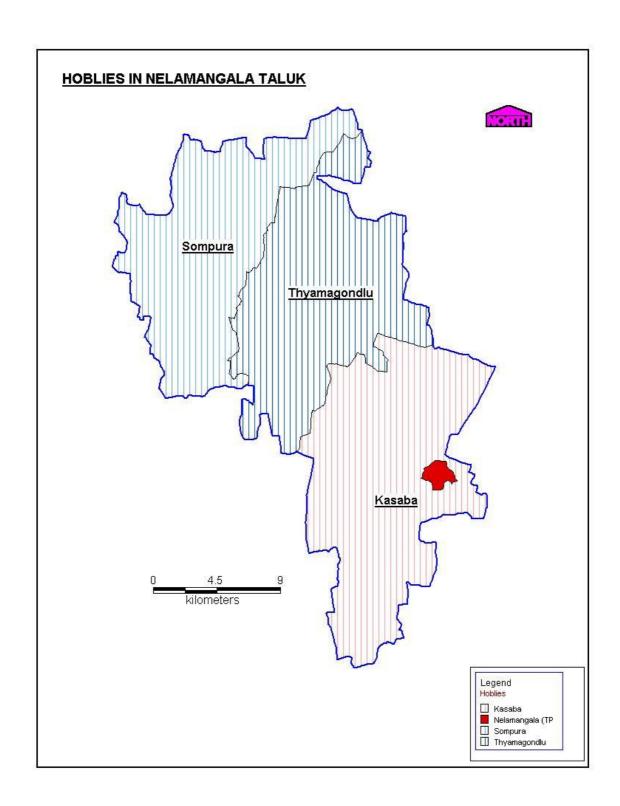


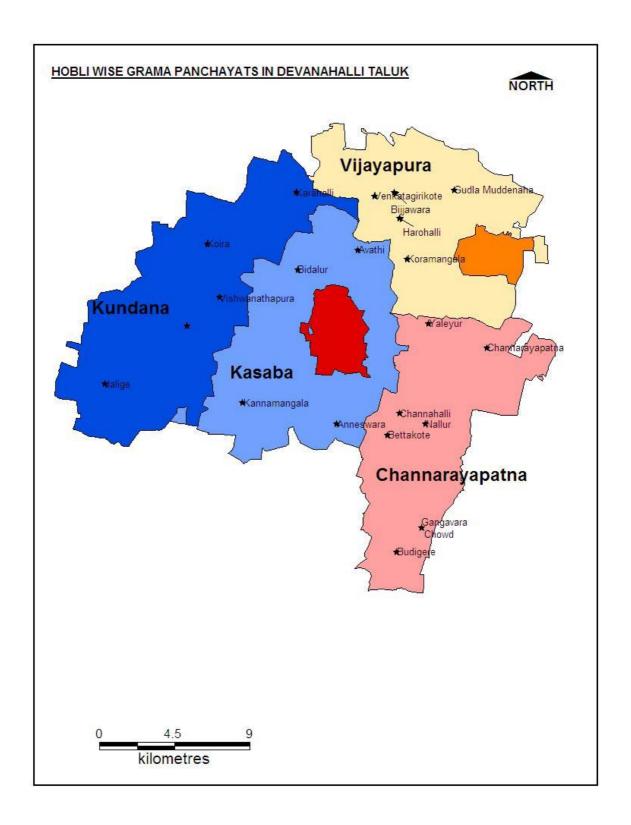


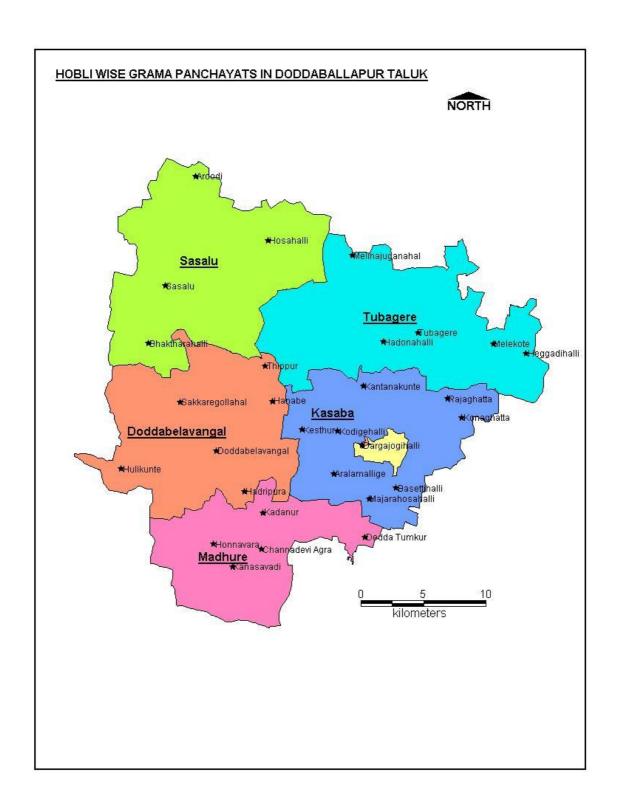


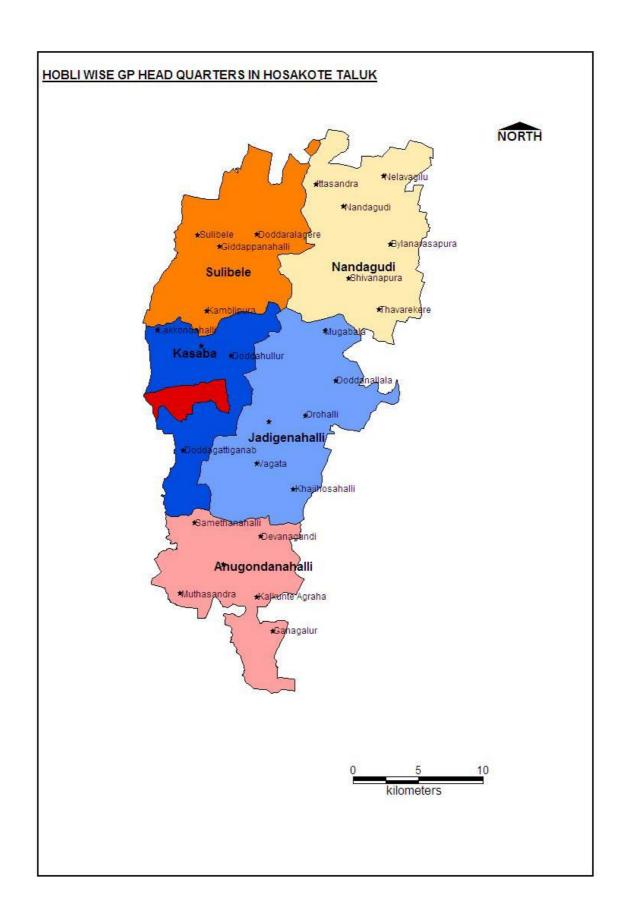


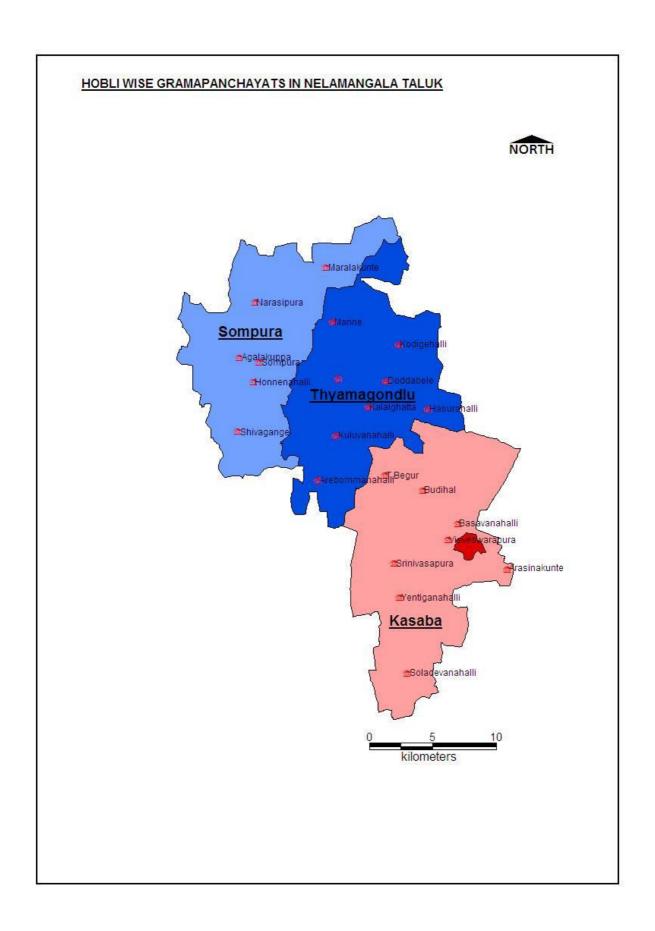


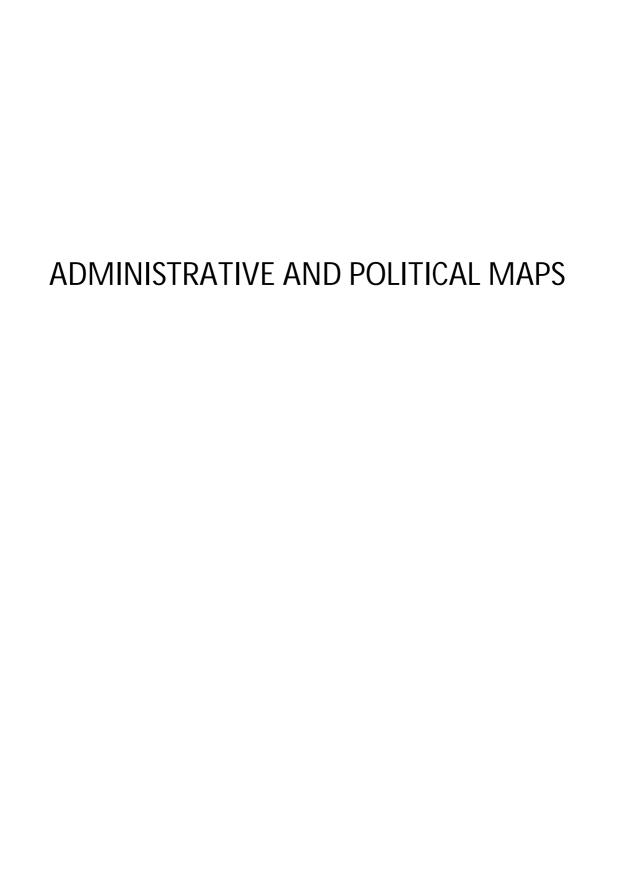


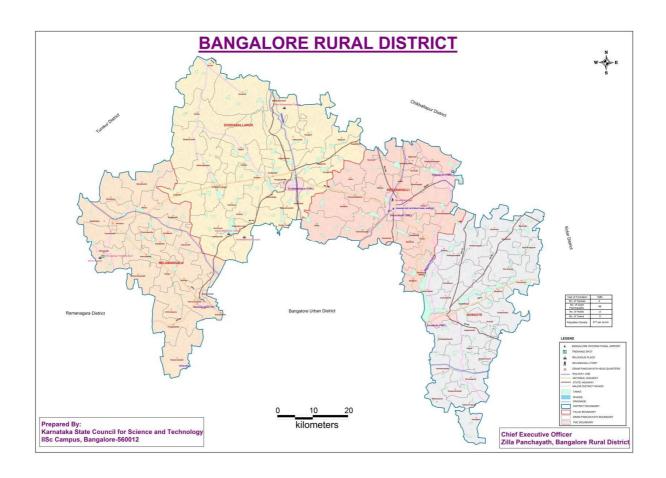


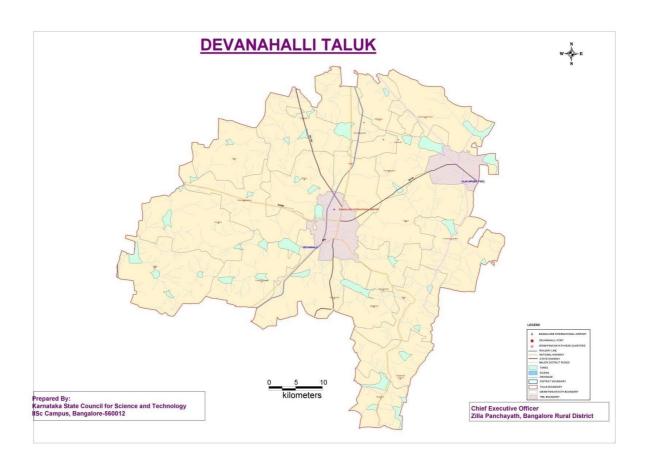


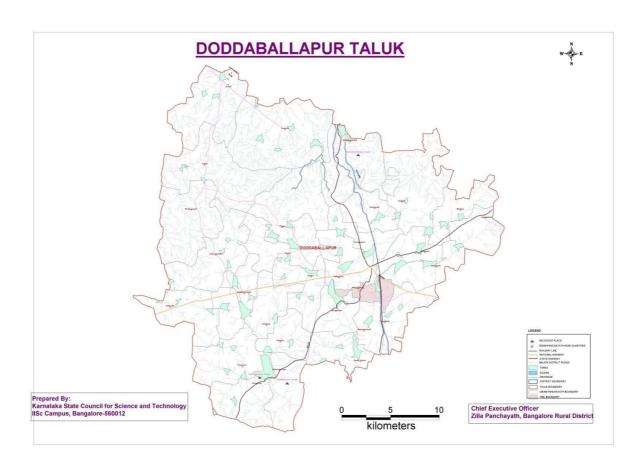


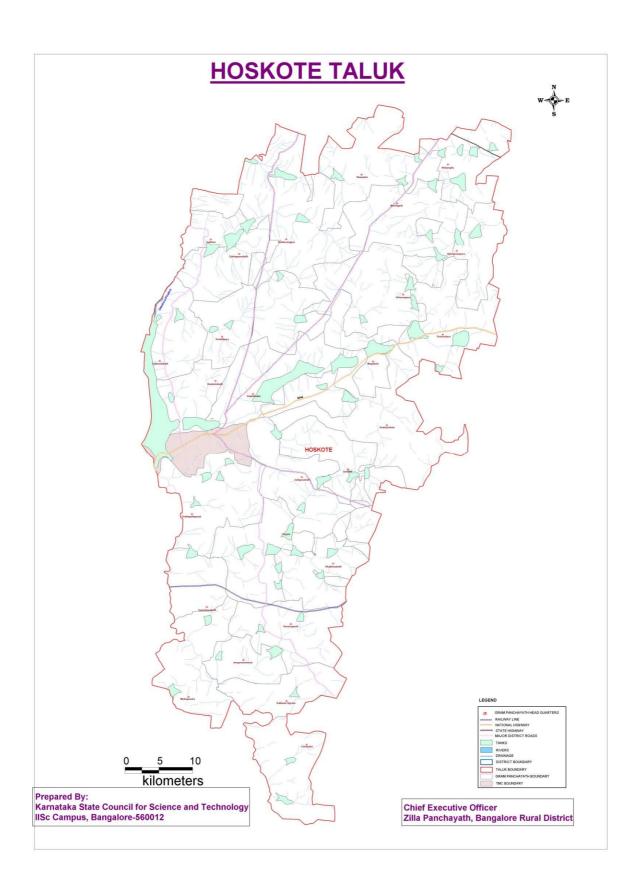


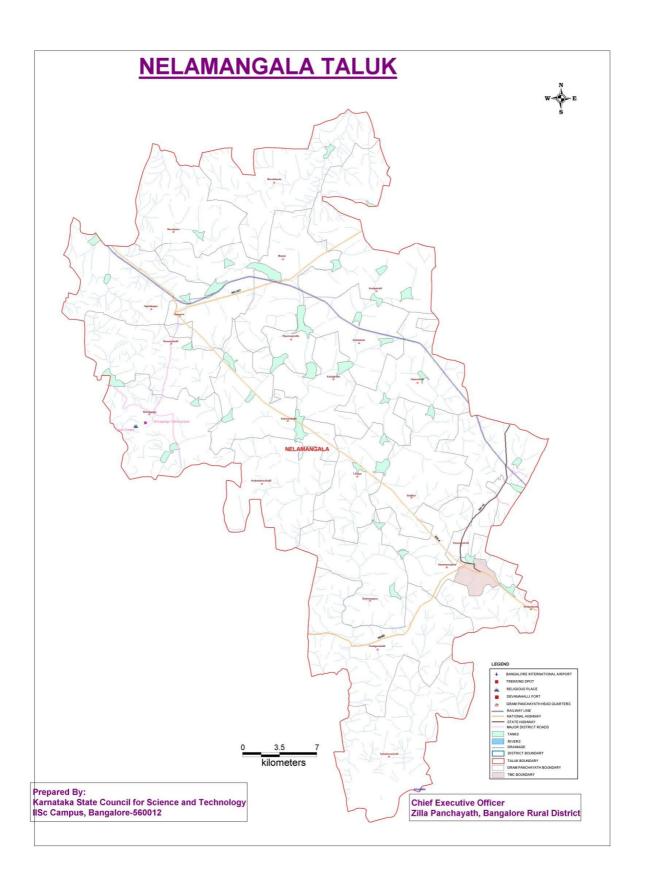


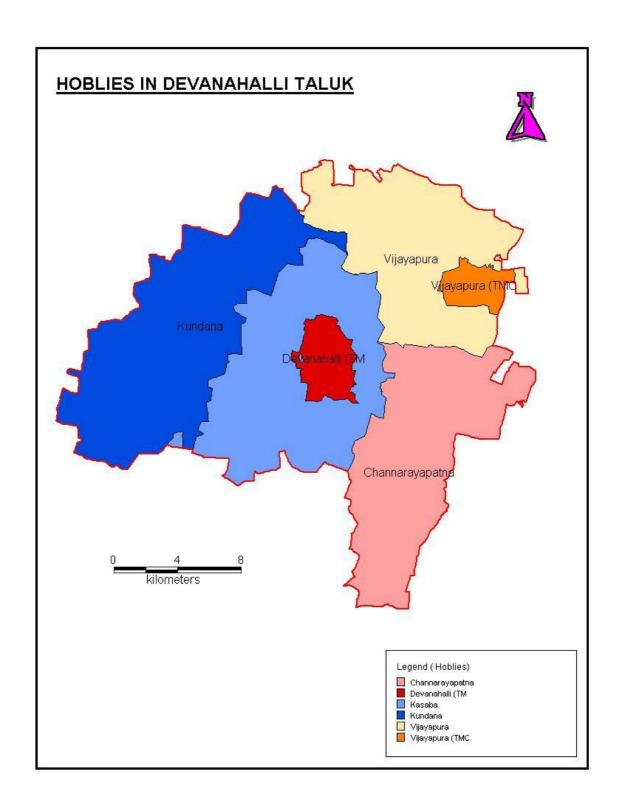


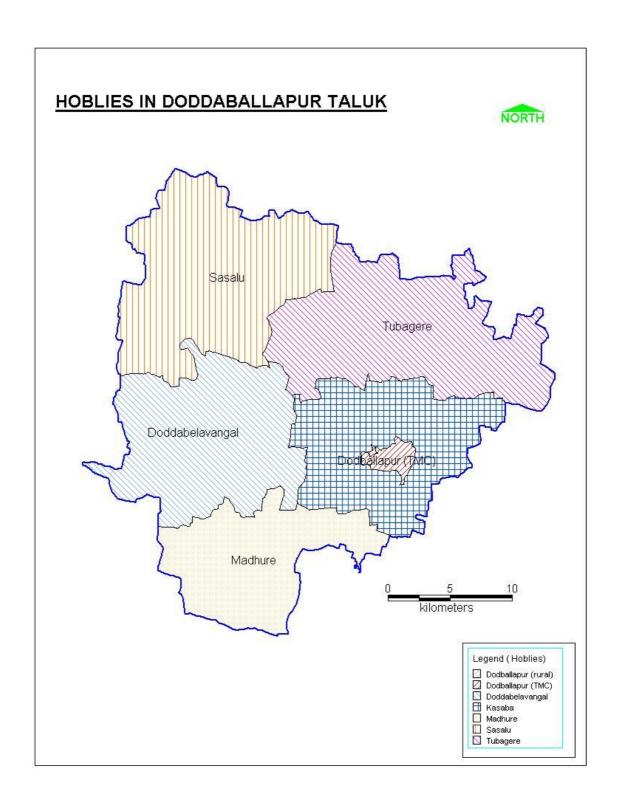


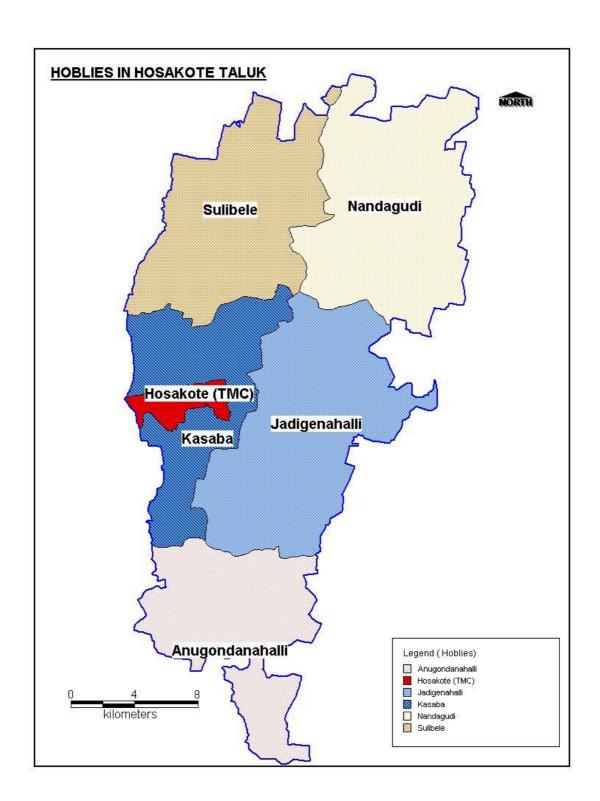


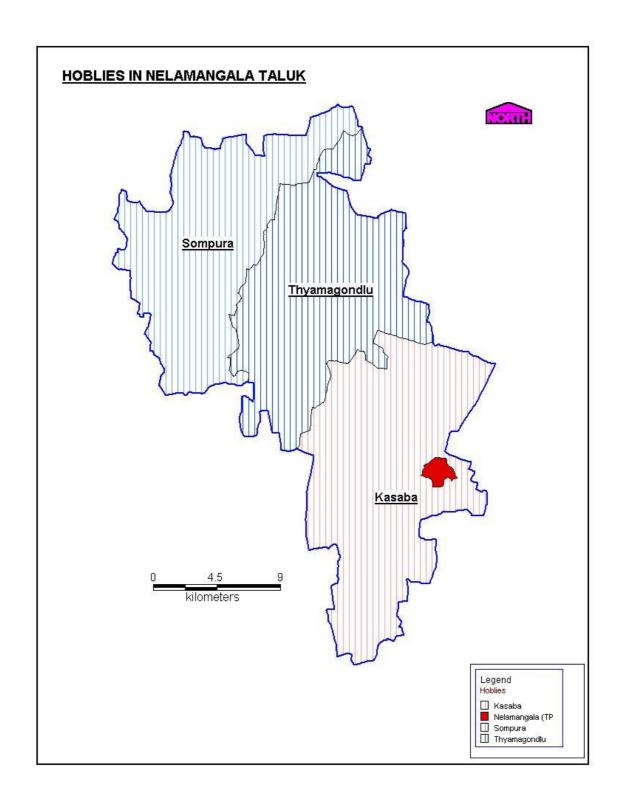


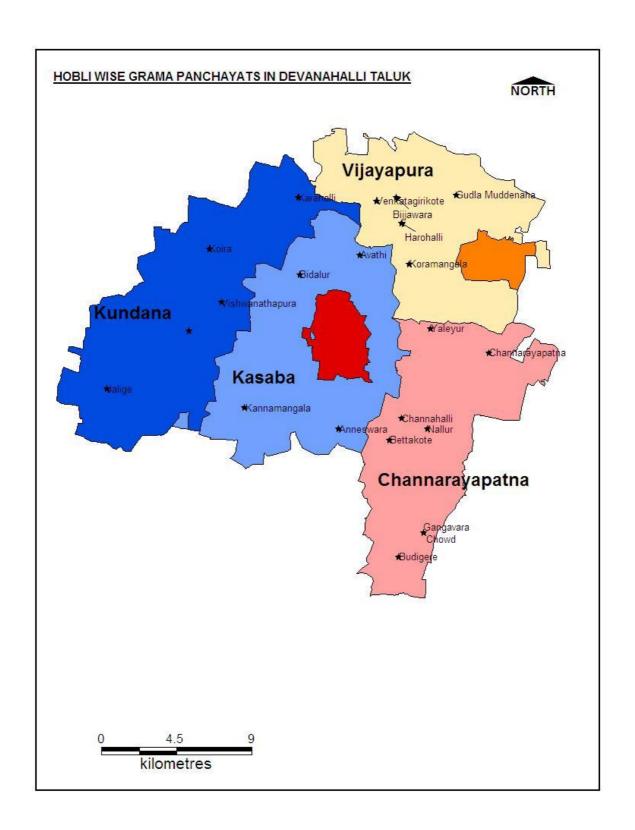


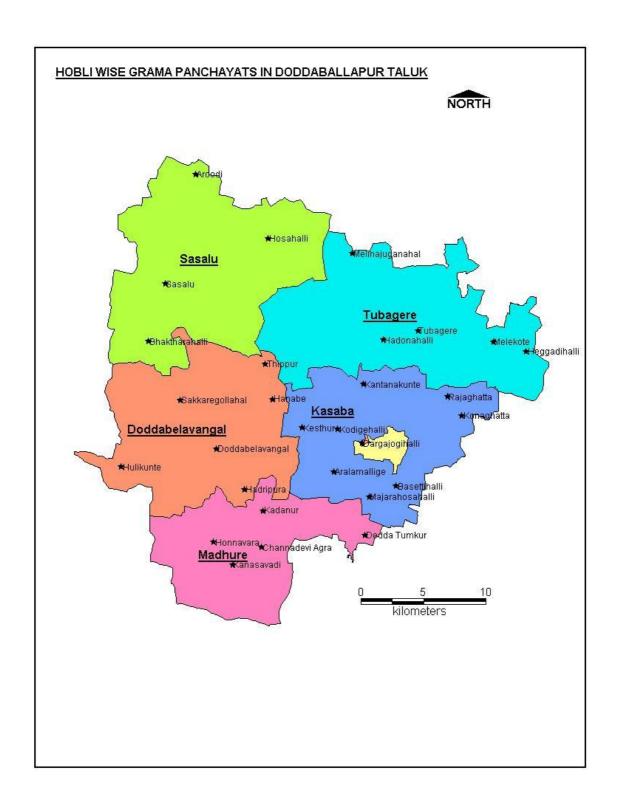


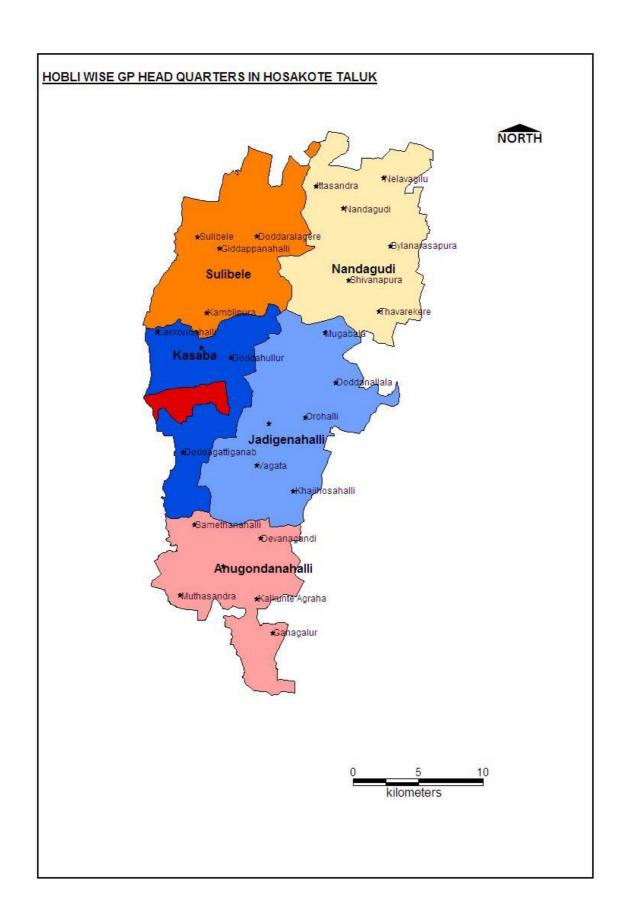


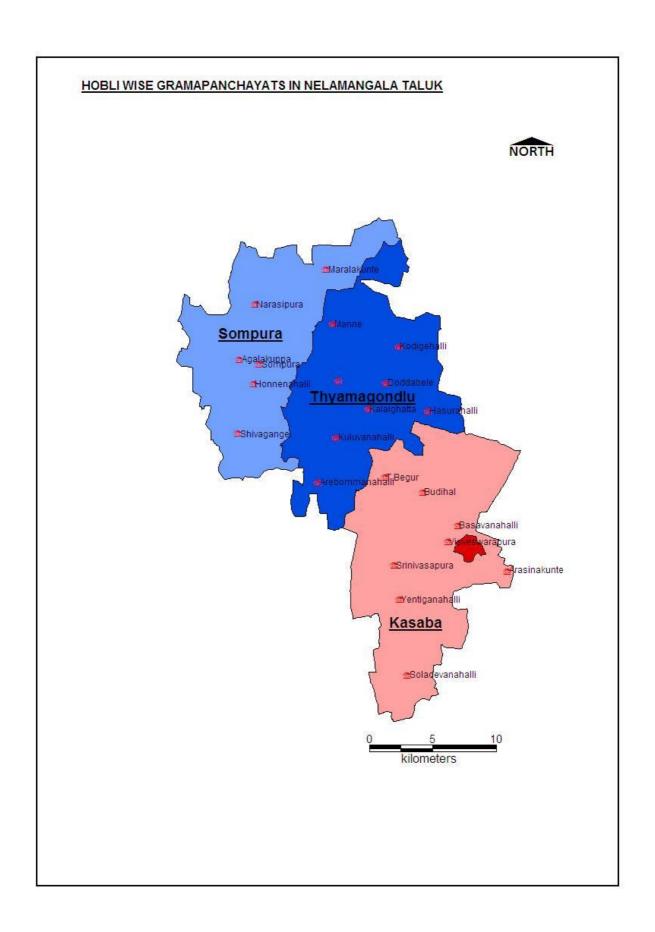


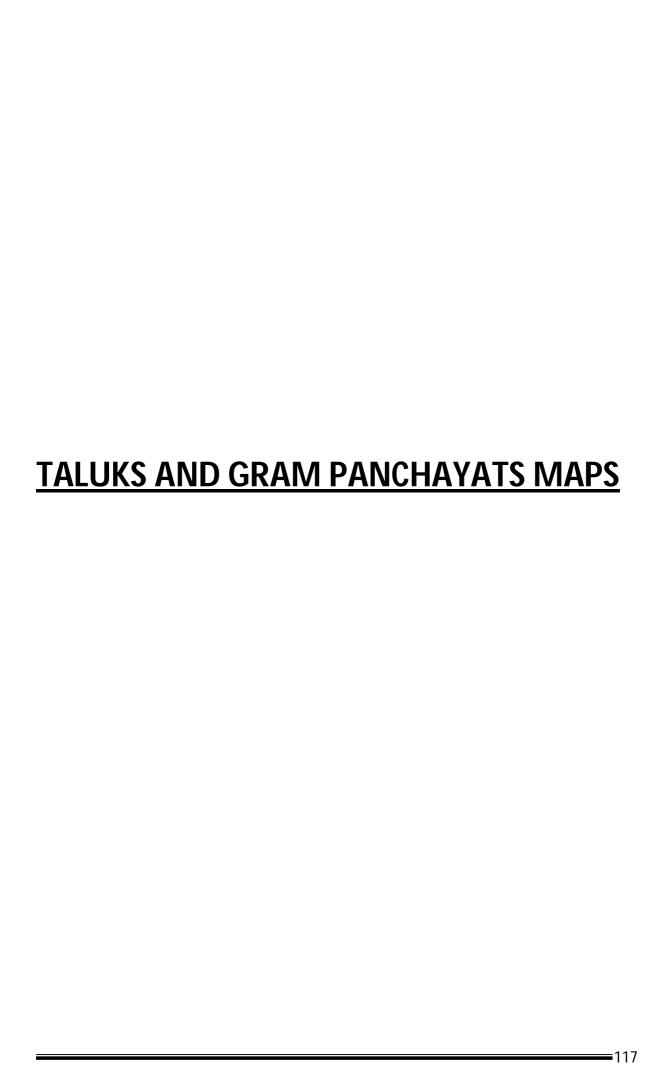


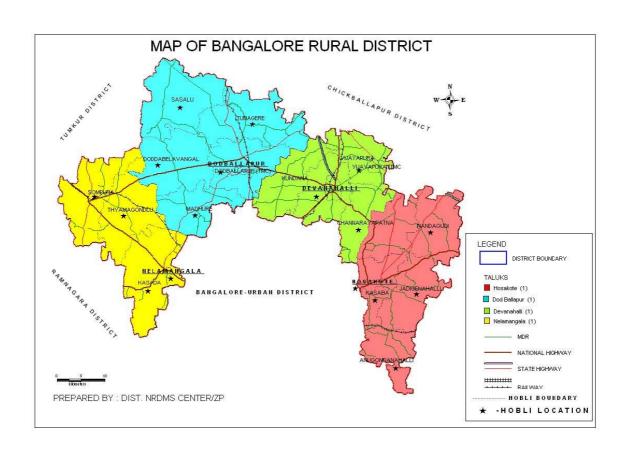


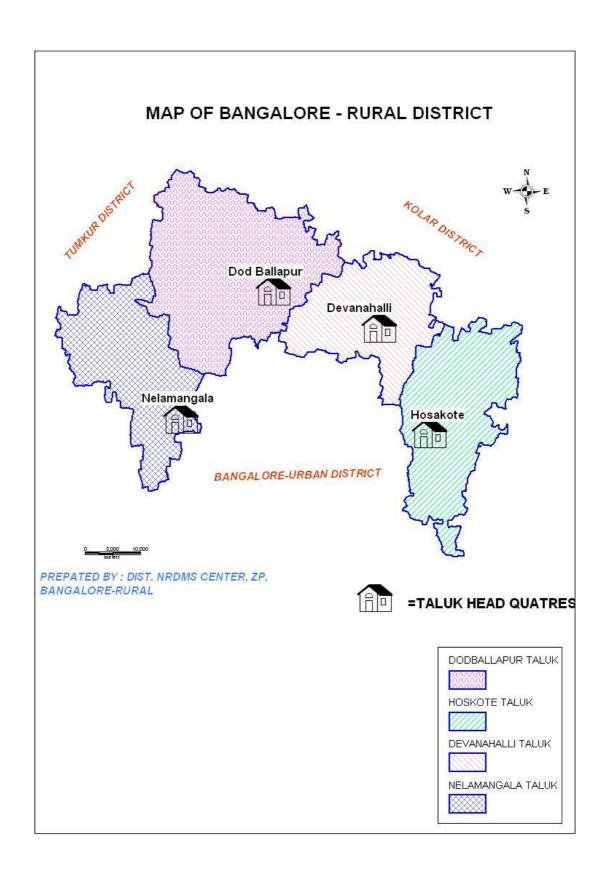


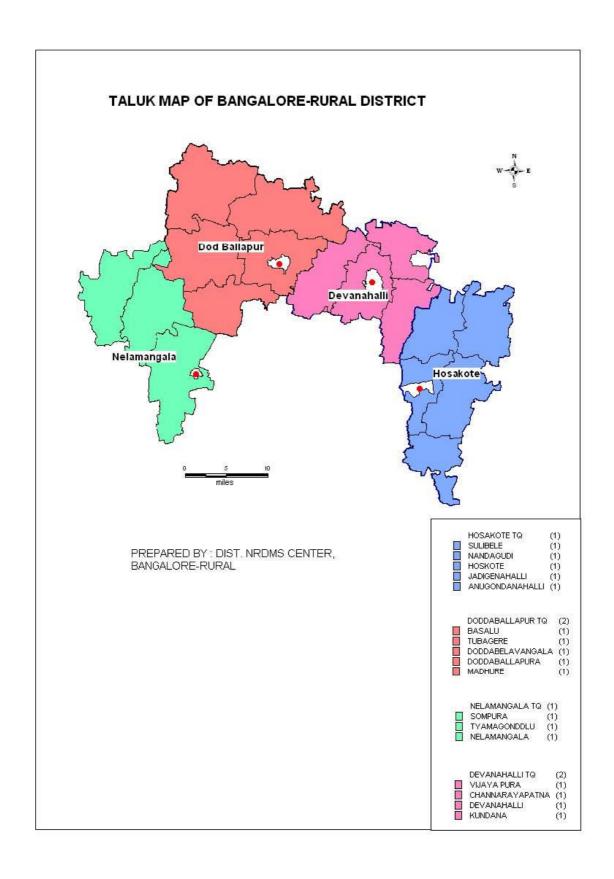


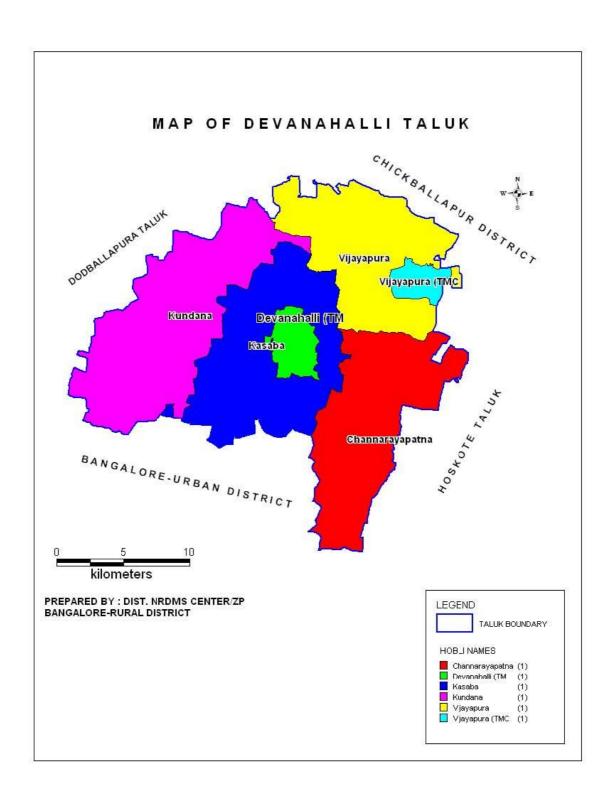


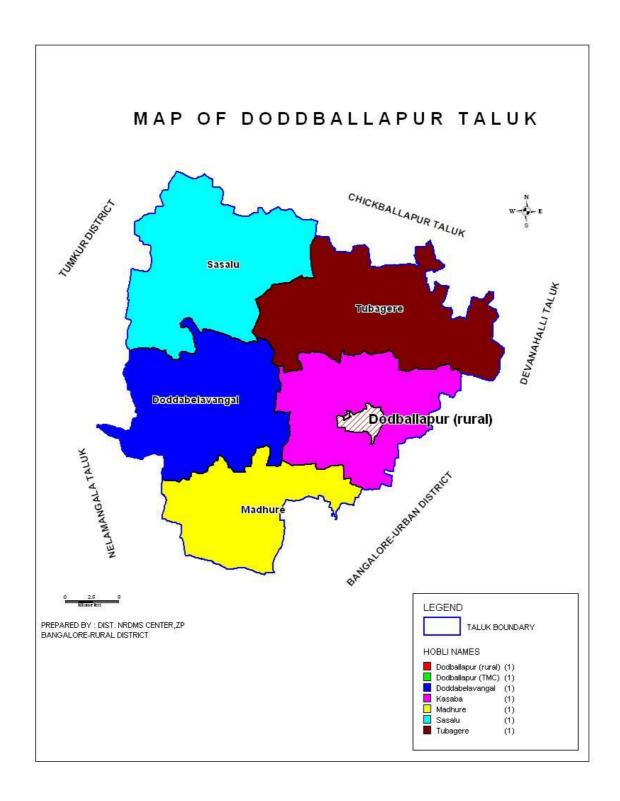


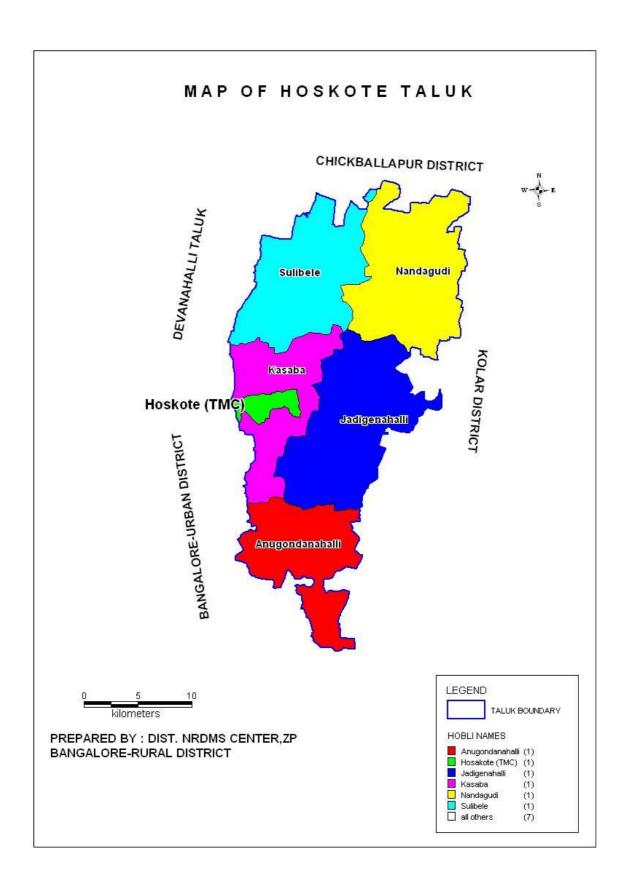


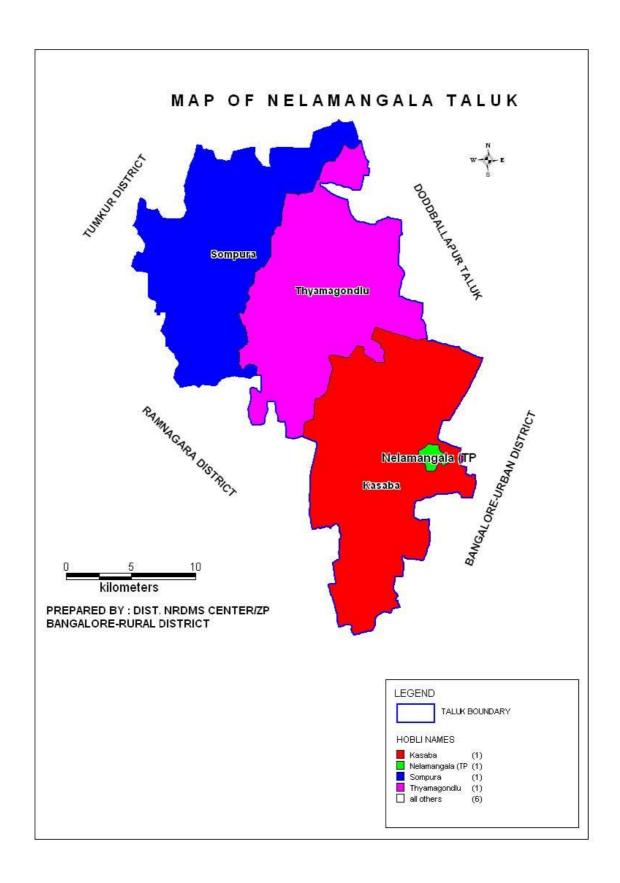


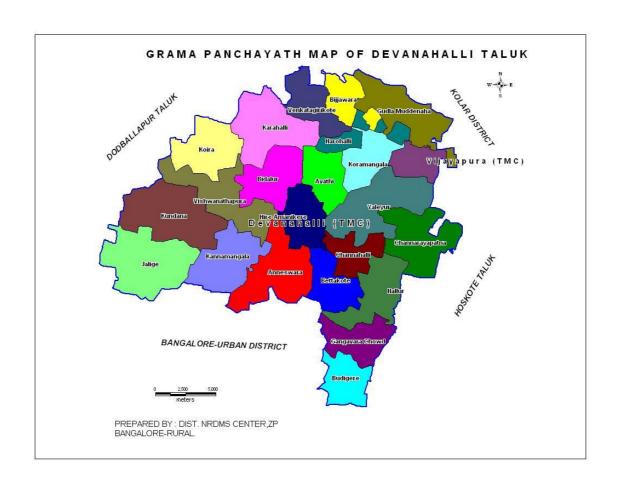


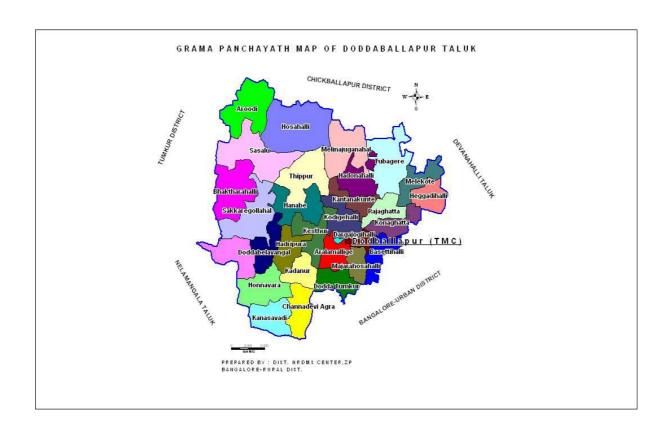


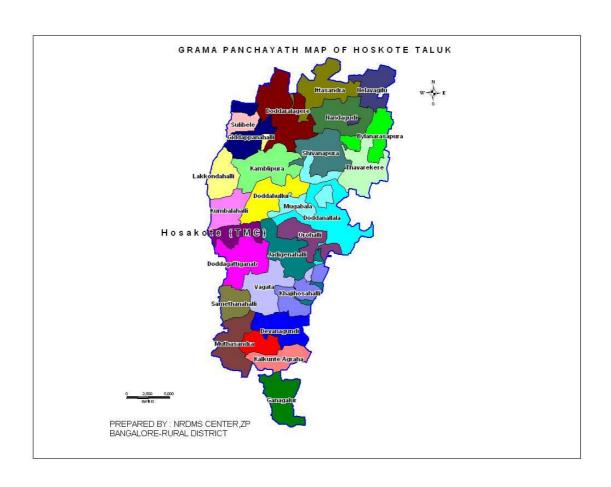


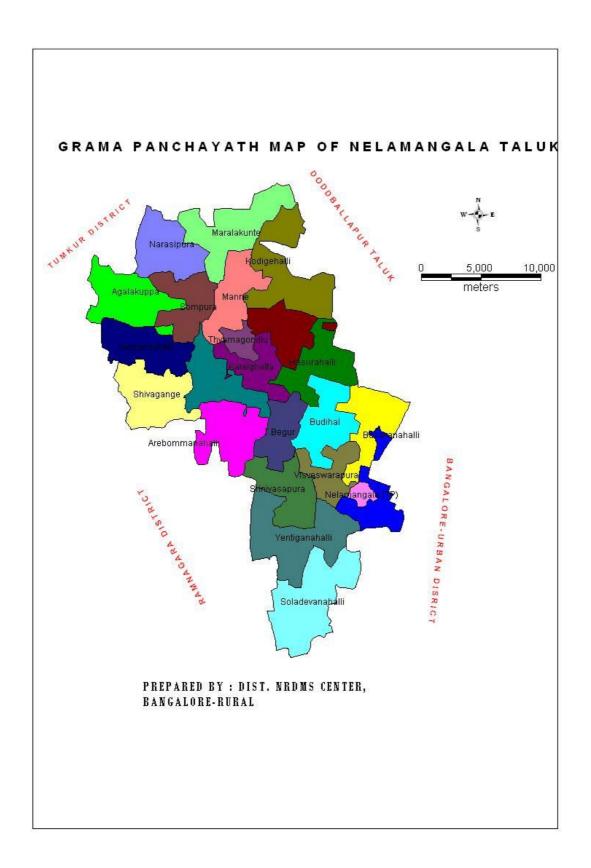




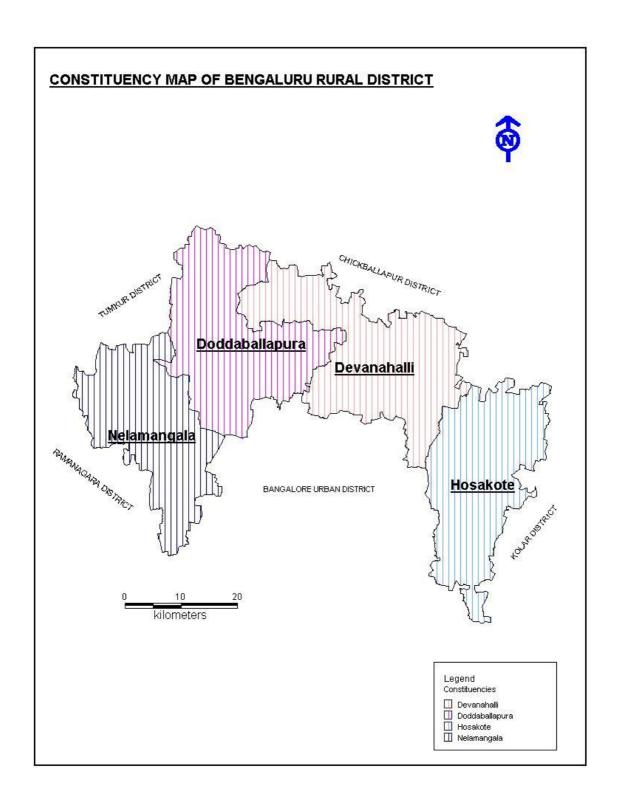


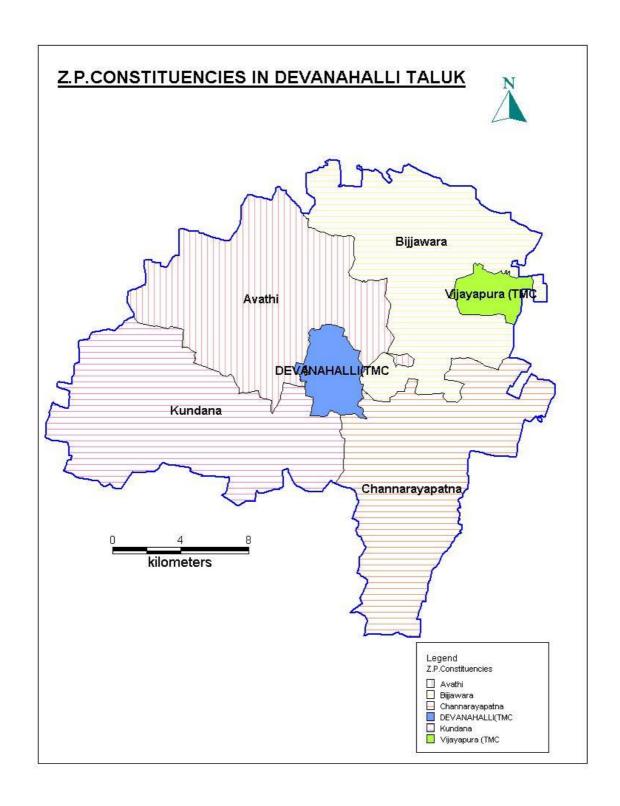


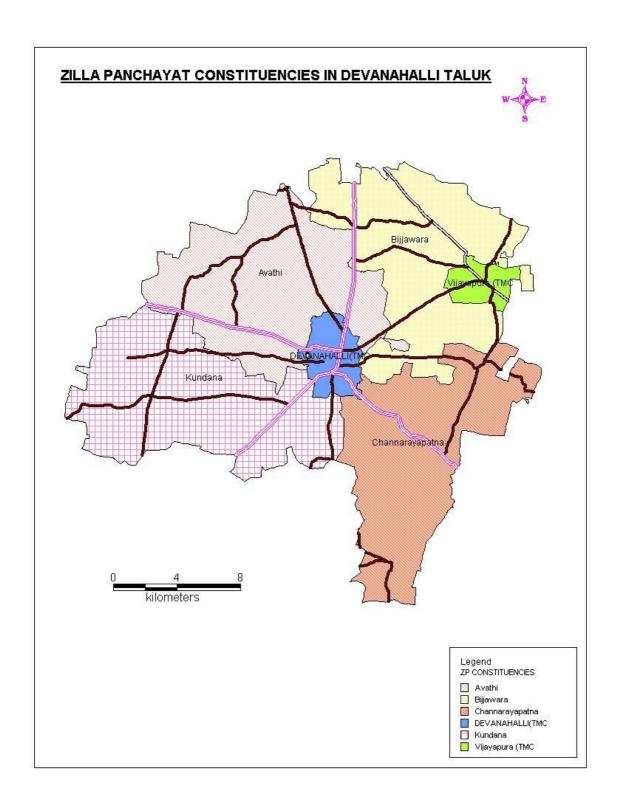


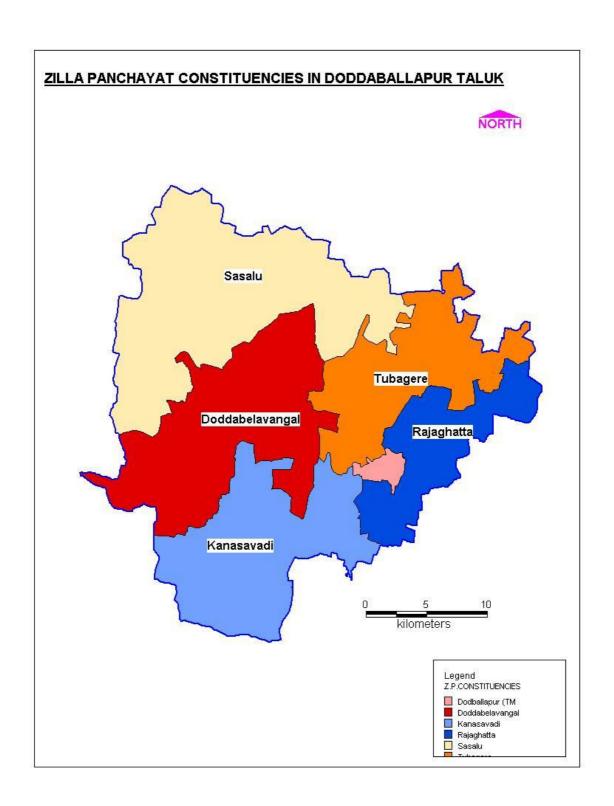


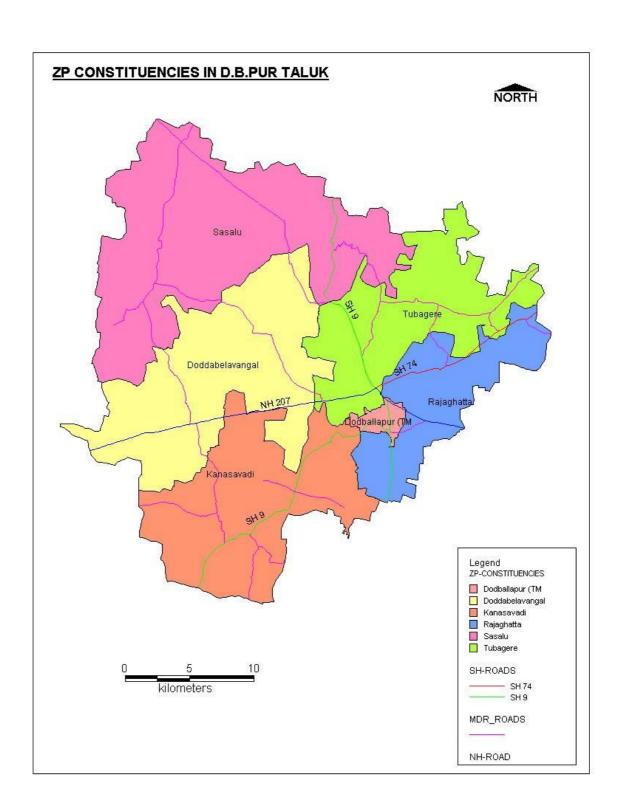
## CONSTITUENCIES MAPS ( POLITICAL) [ZP, TP, GP]

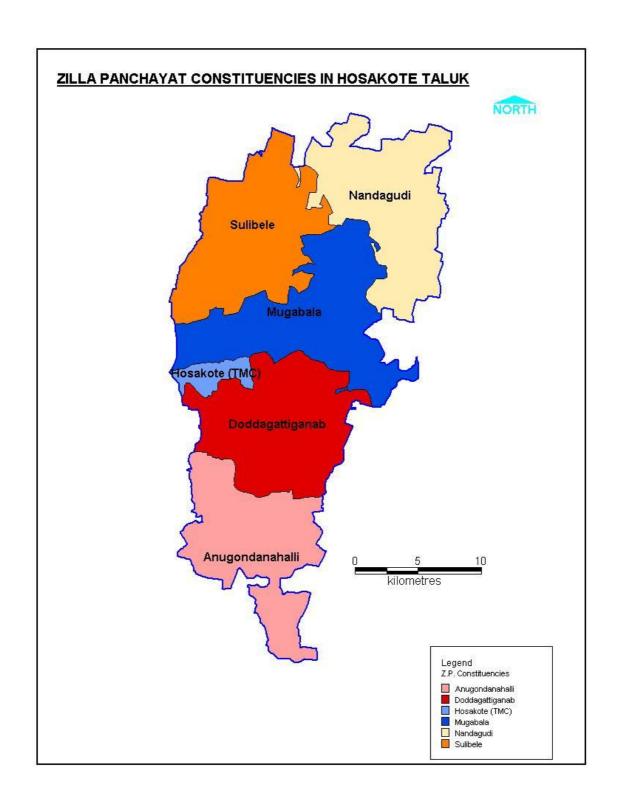


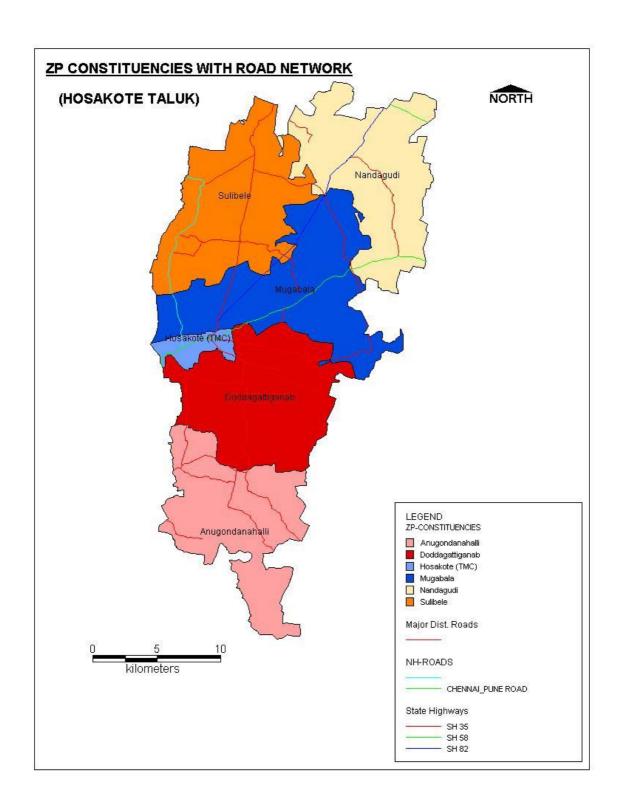


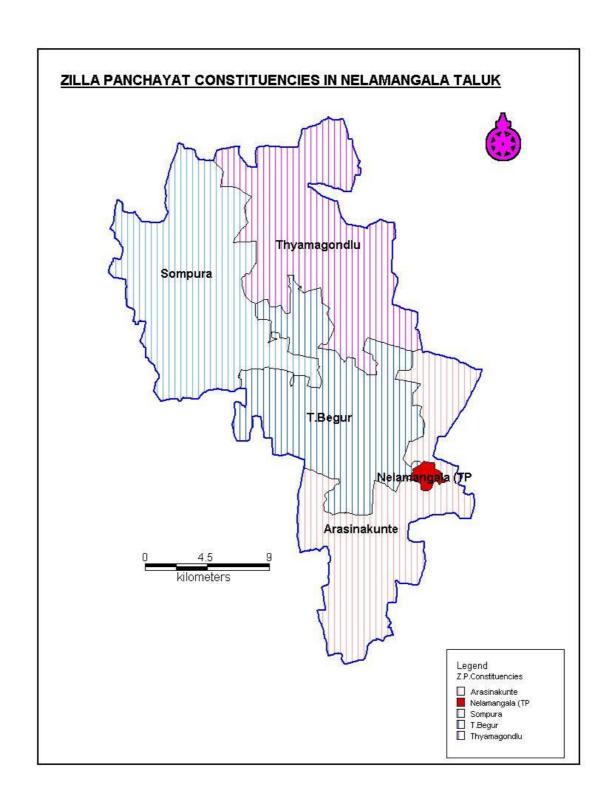


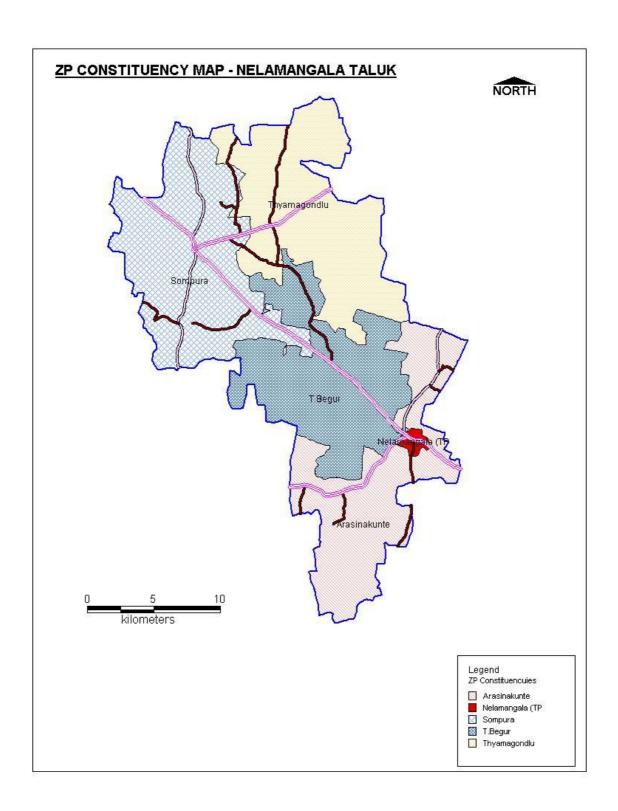




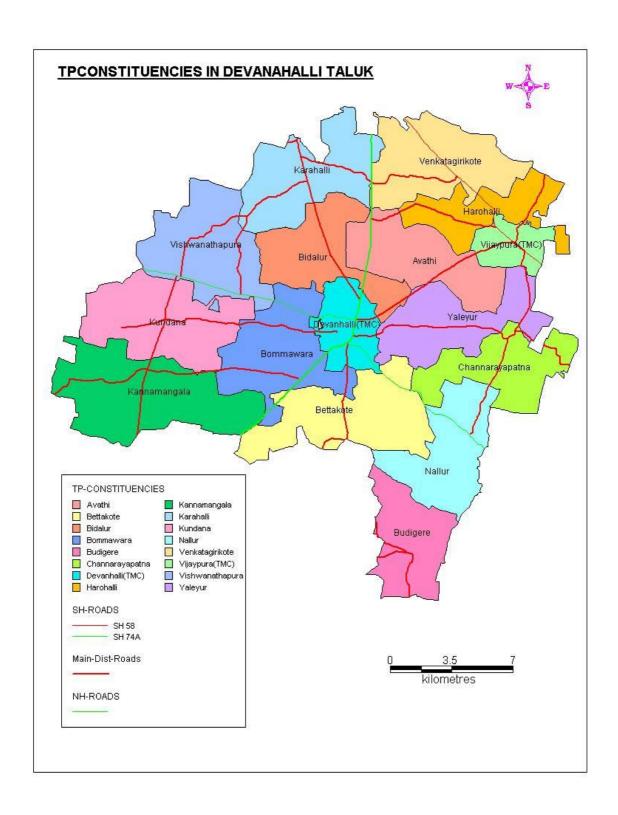




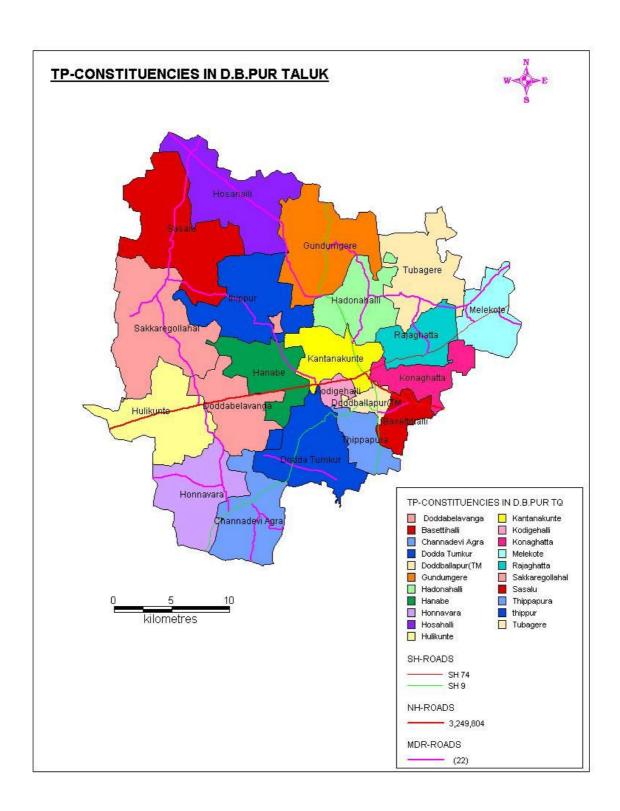


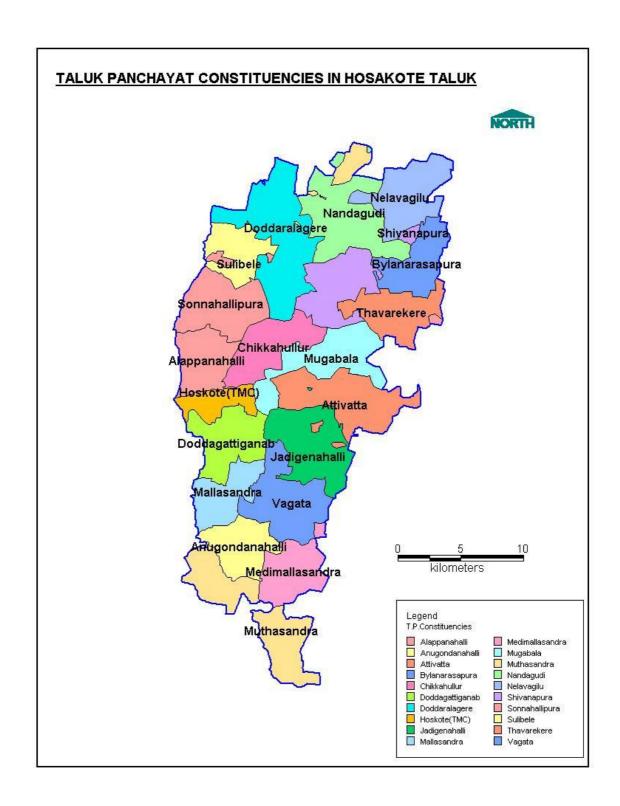


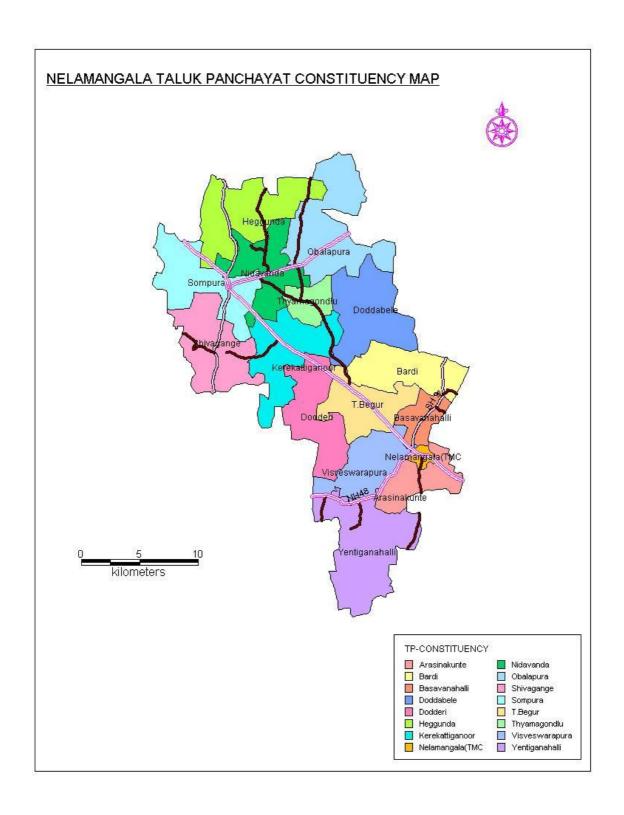


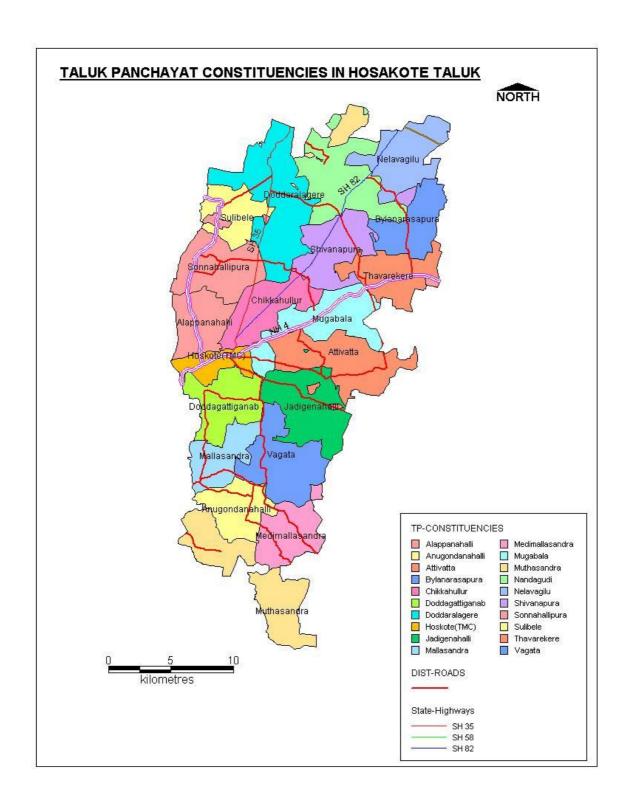


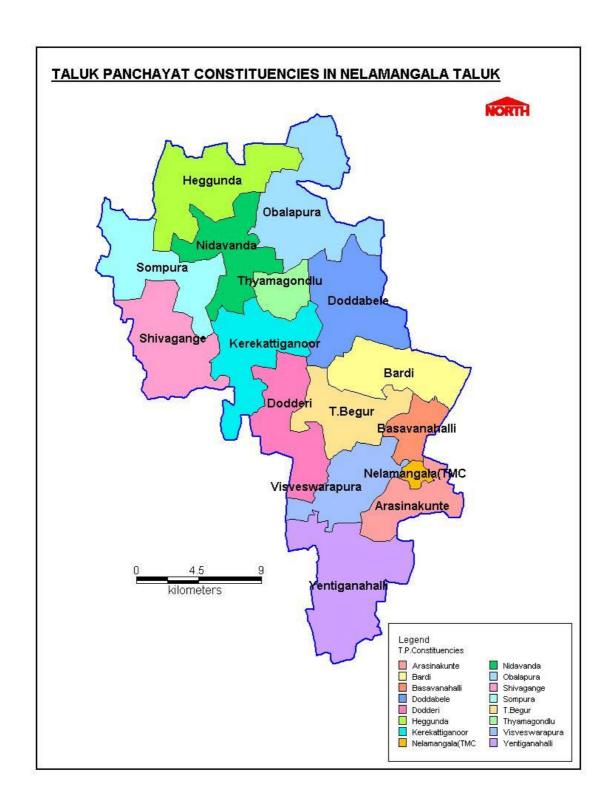


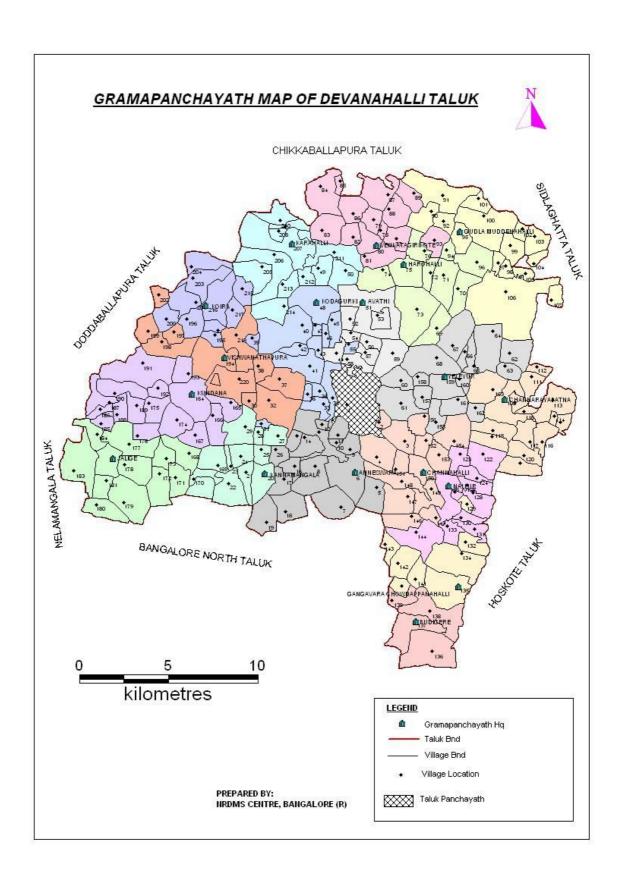


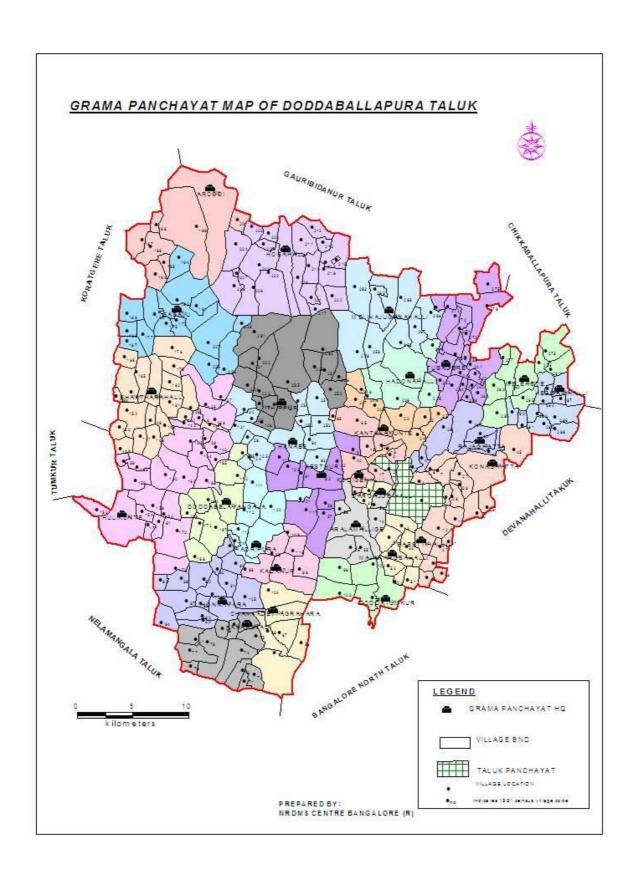


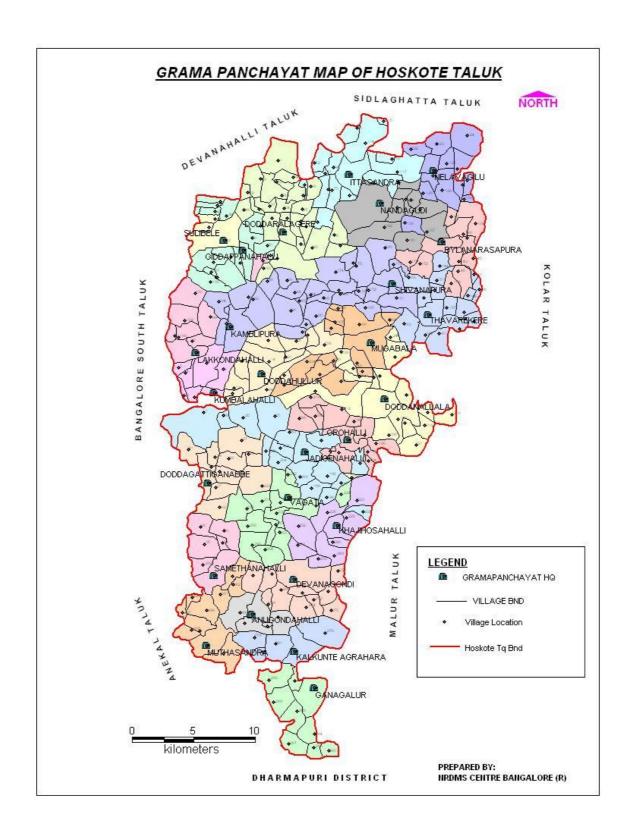


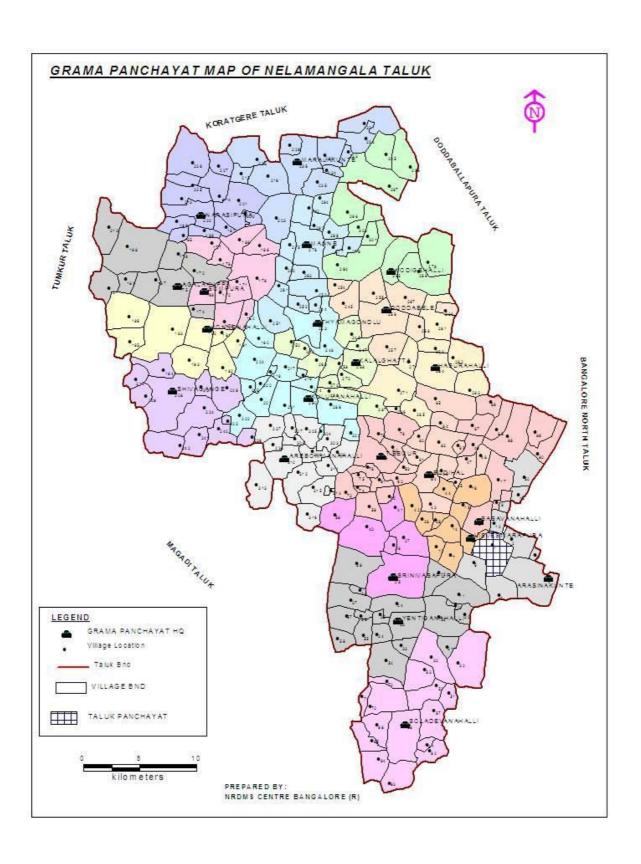


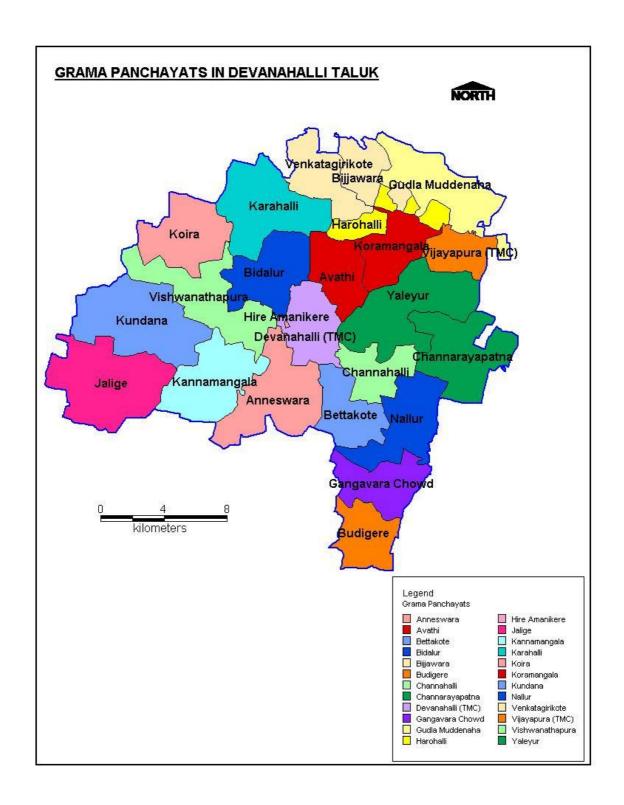


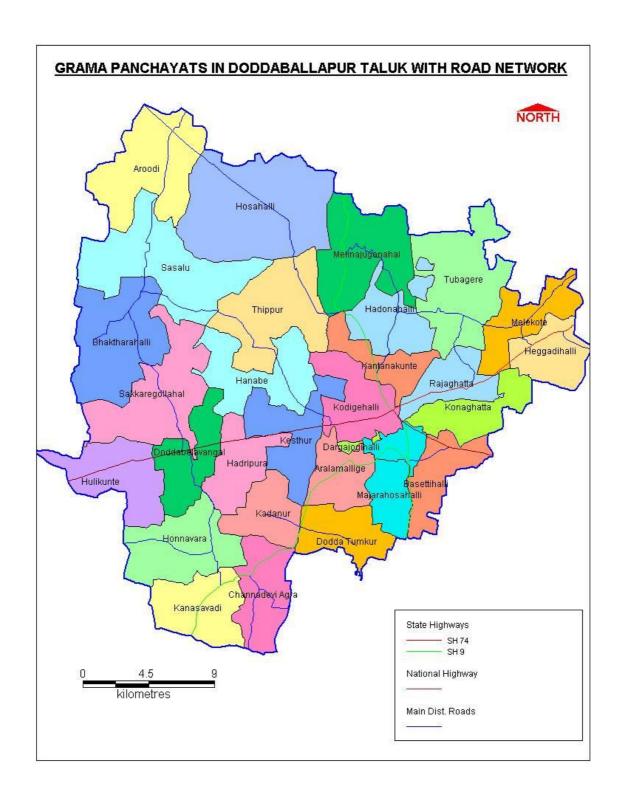


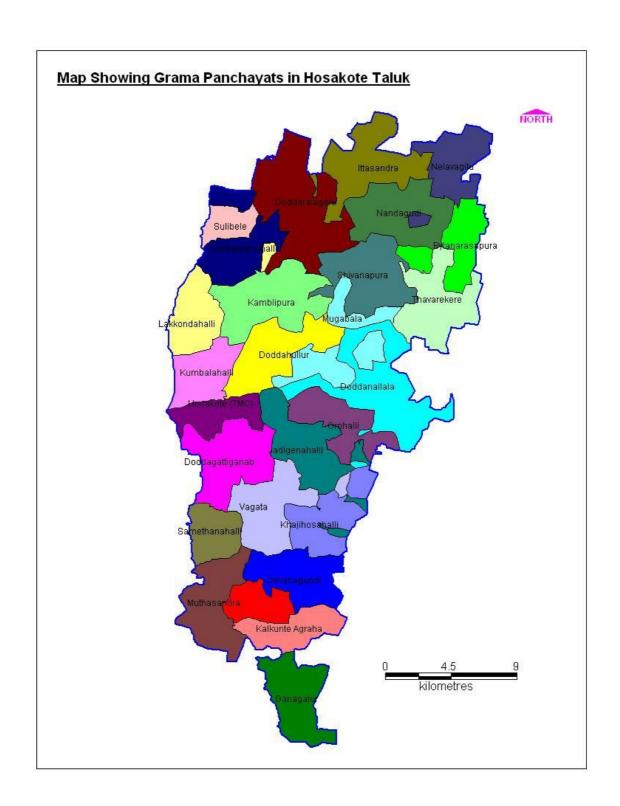


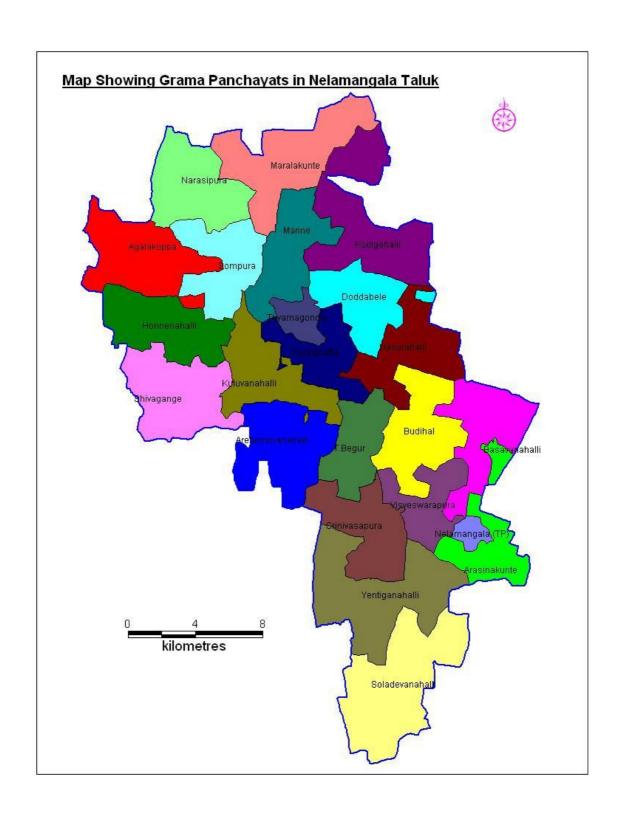




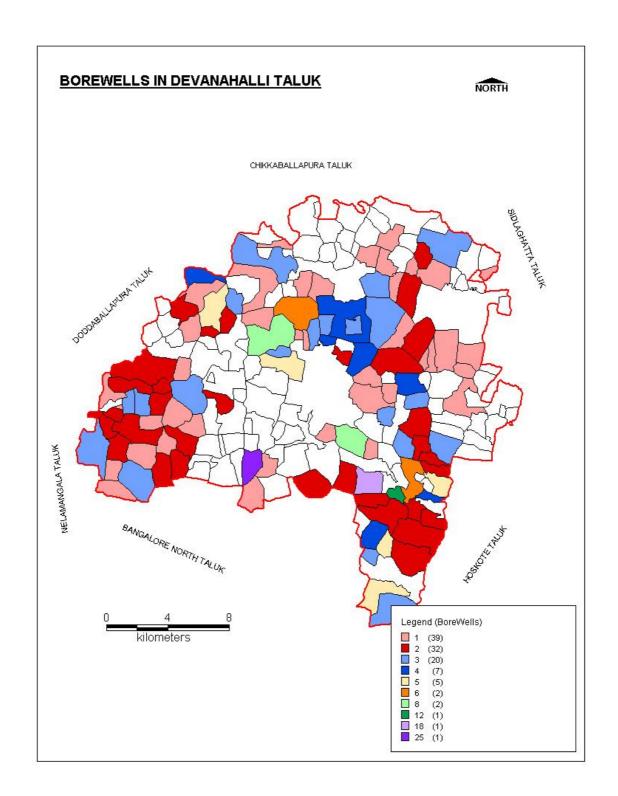


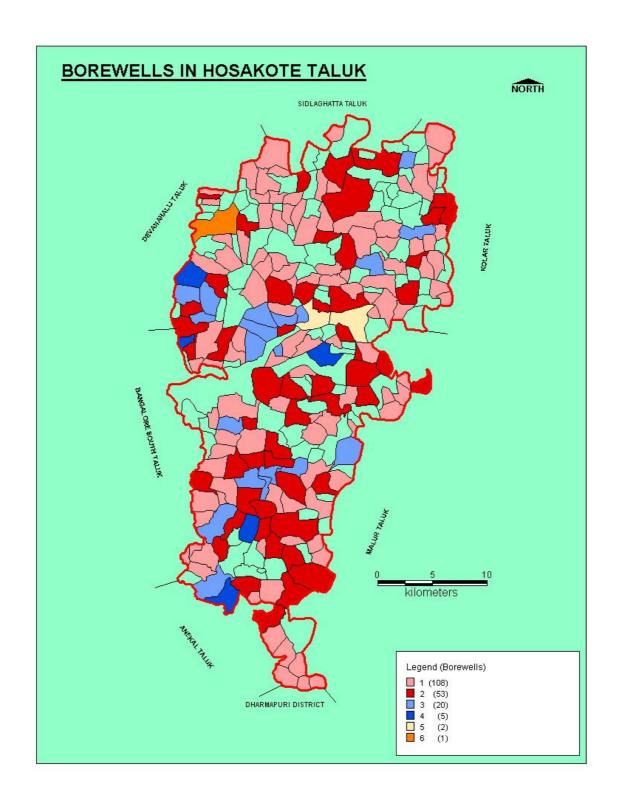


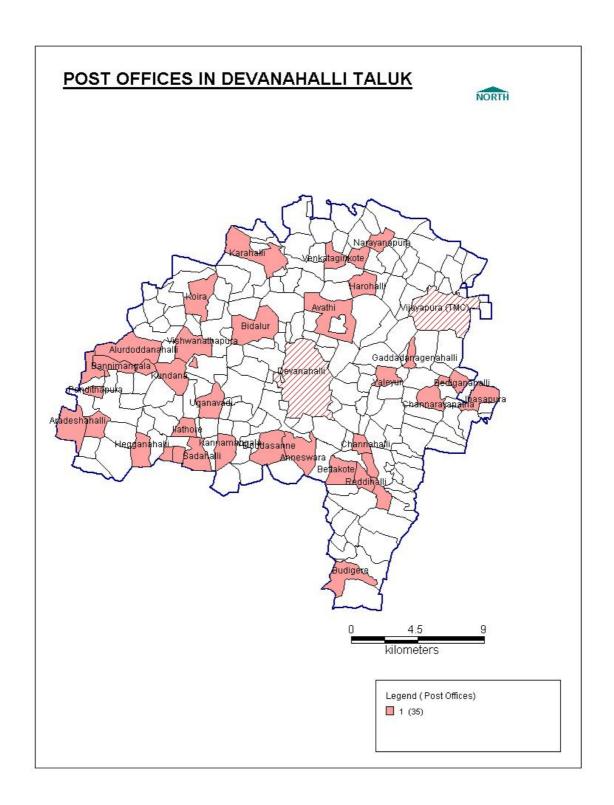


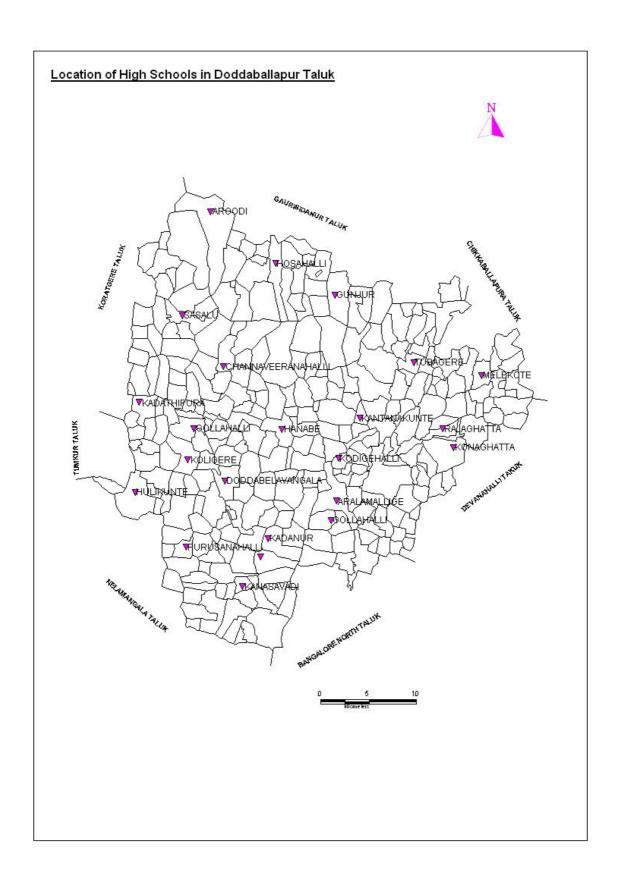


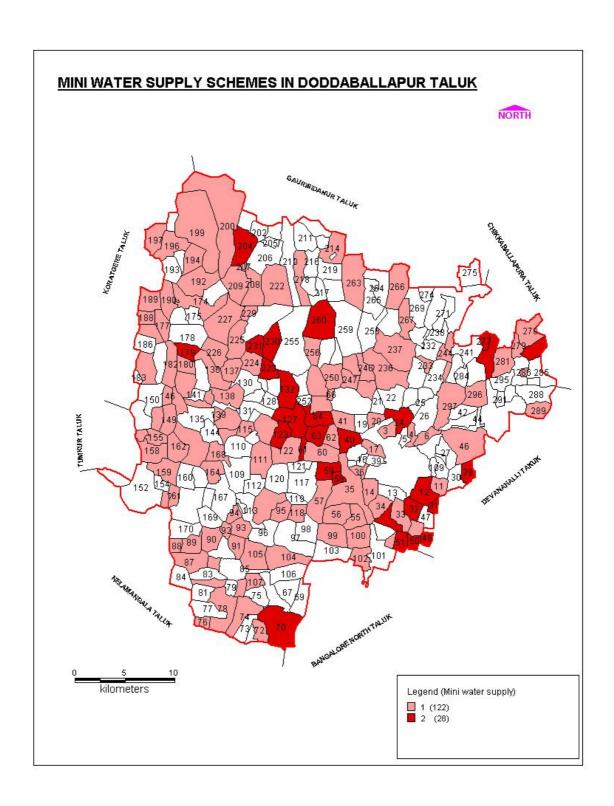
## **INFRASTRUCTURE**

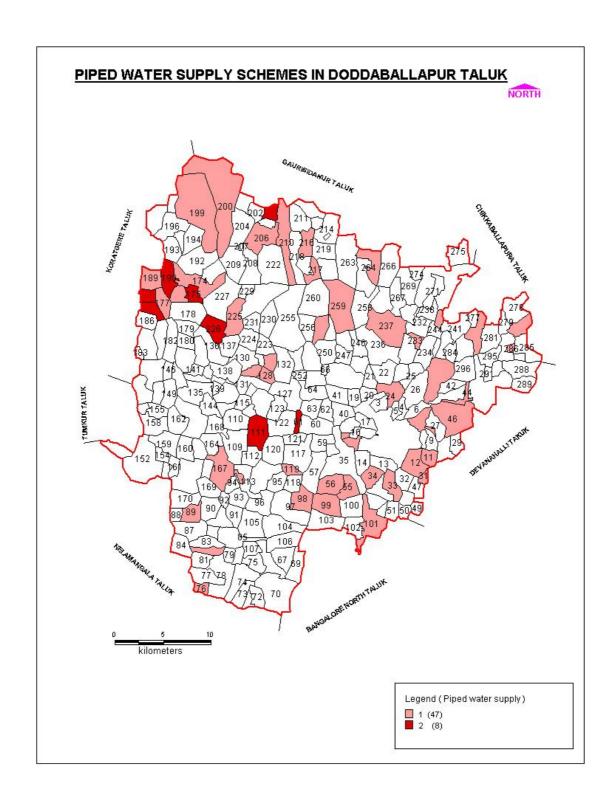


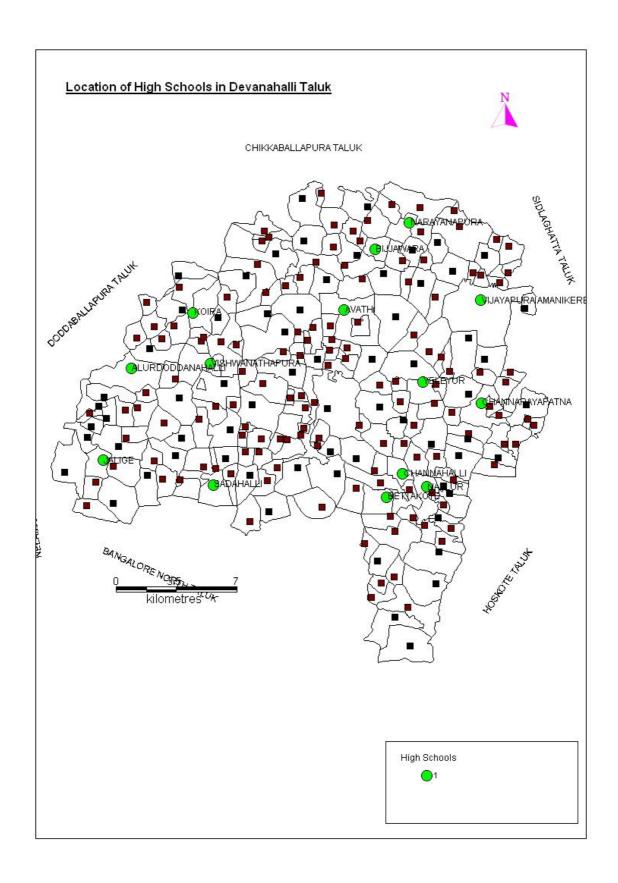


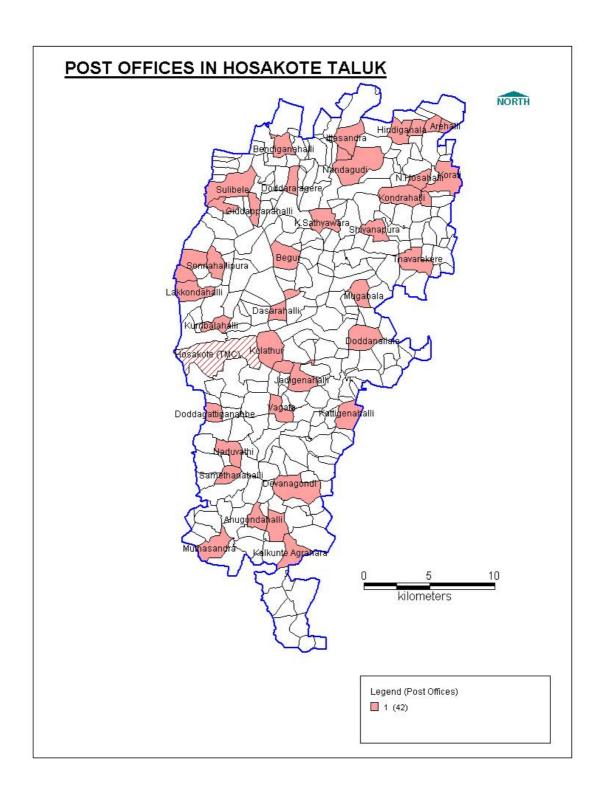


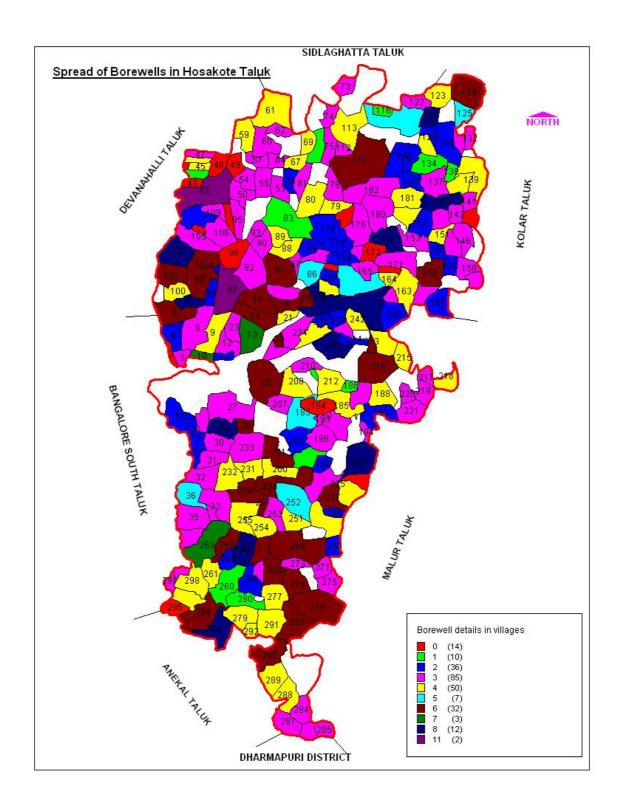


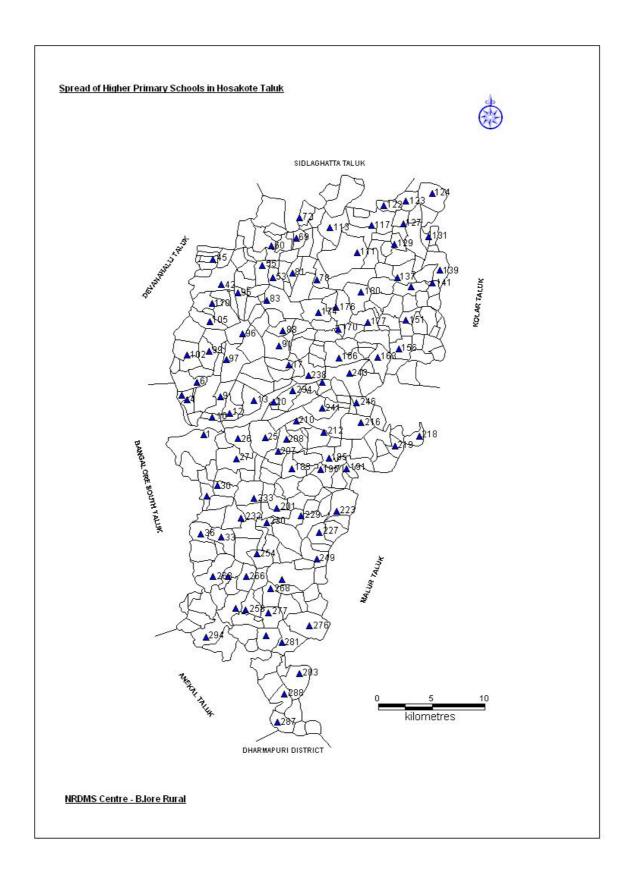


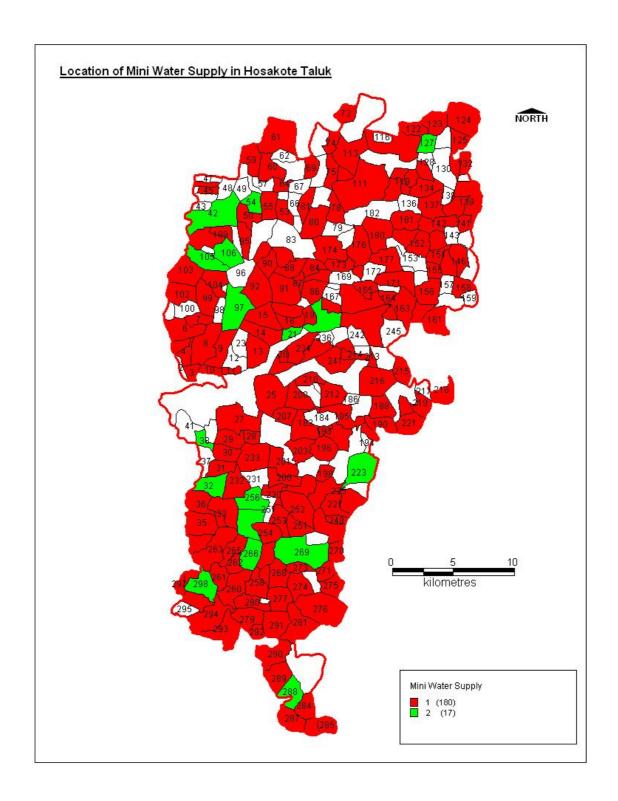


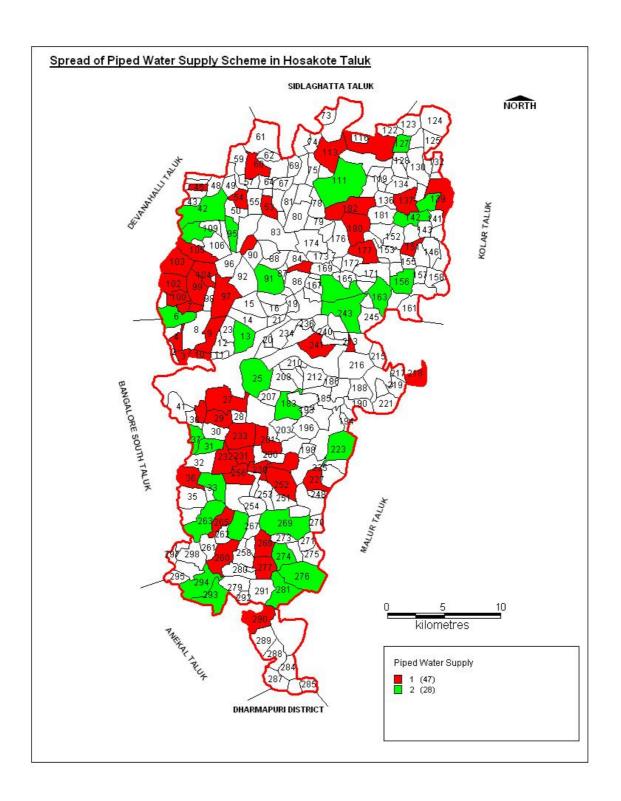


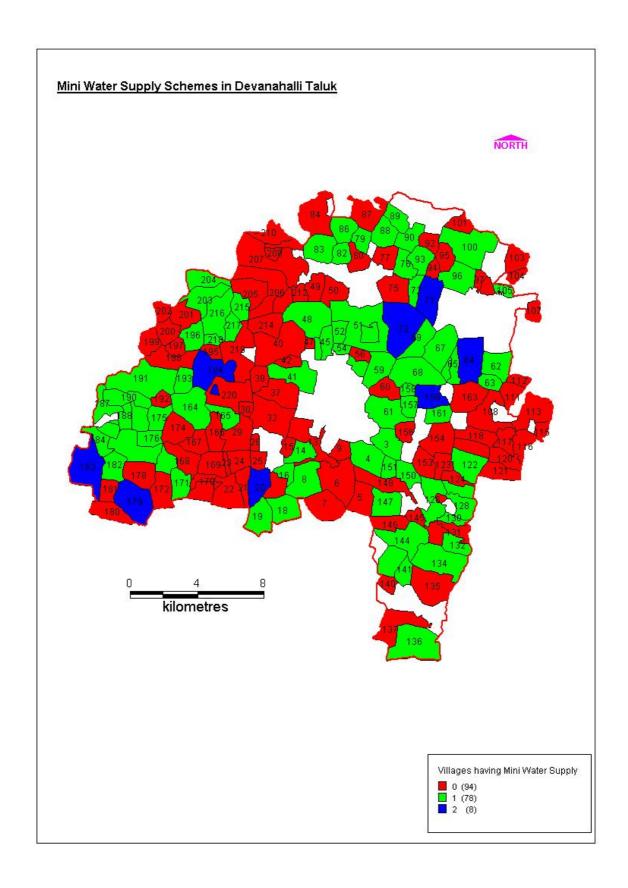


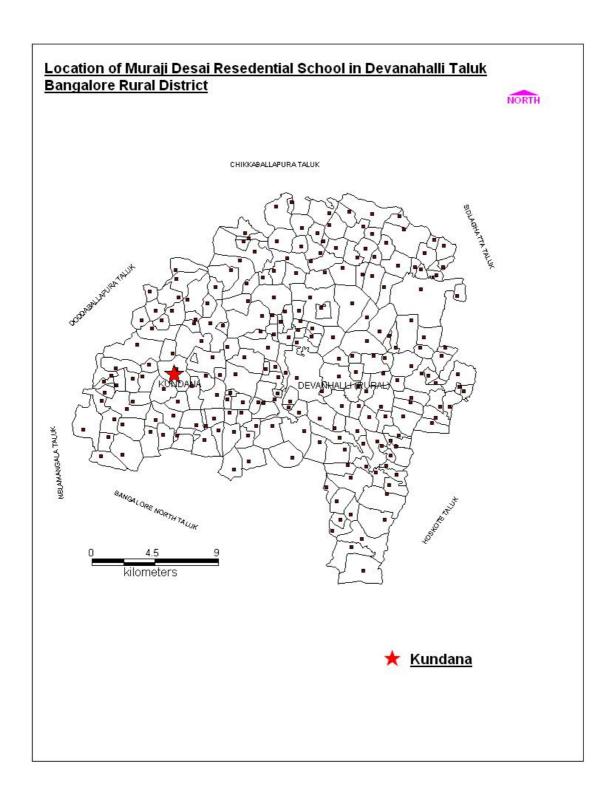


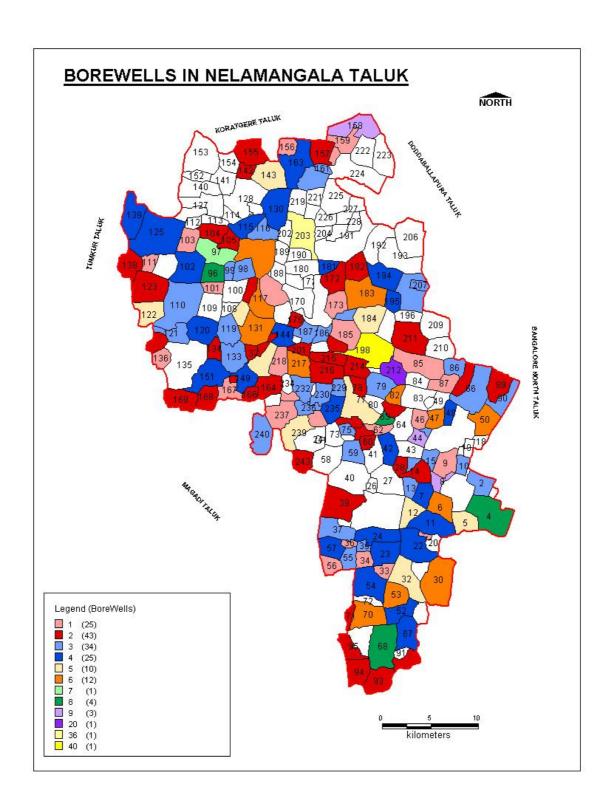


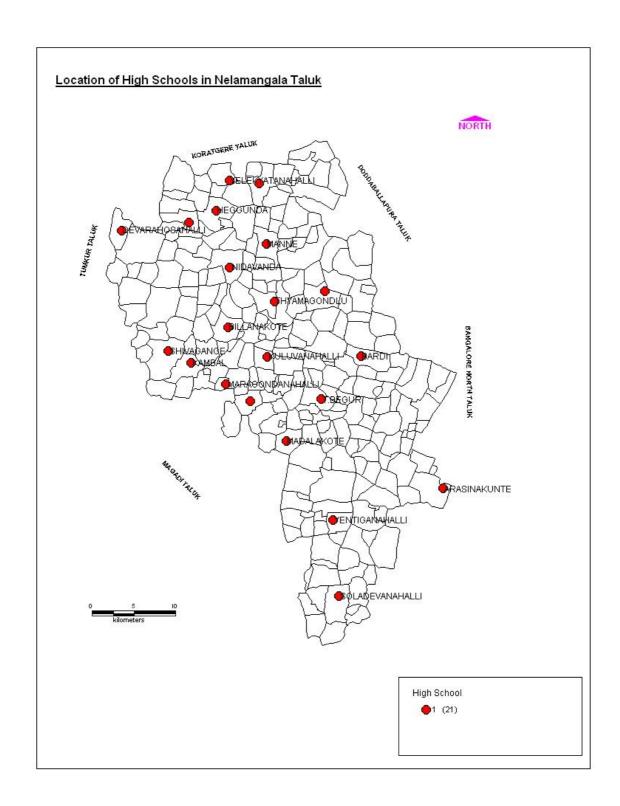


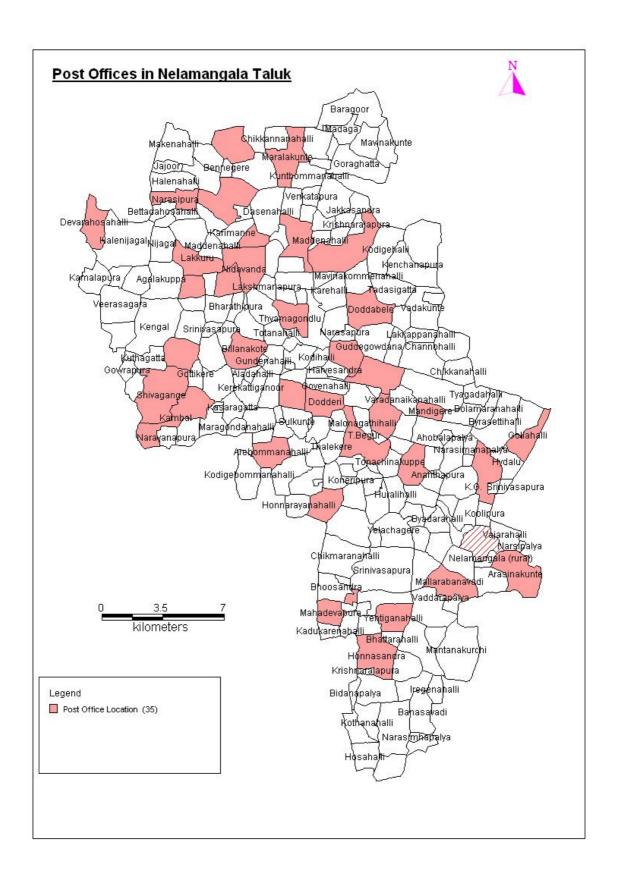


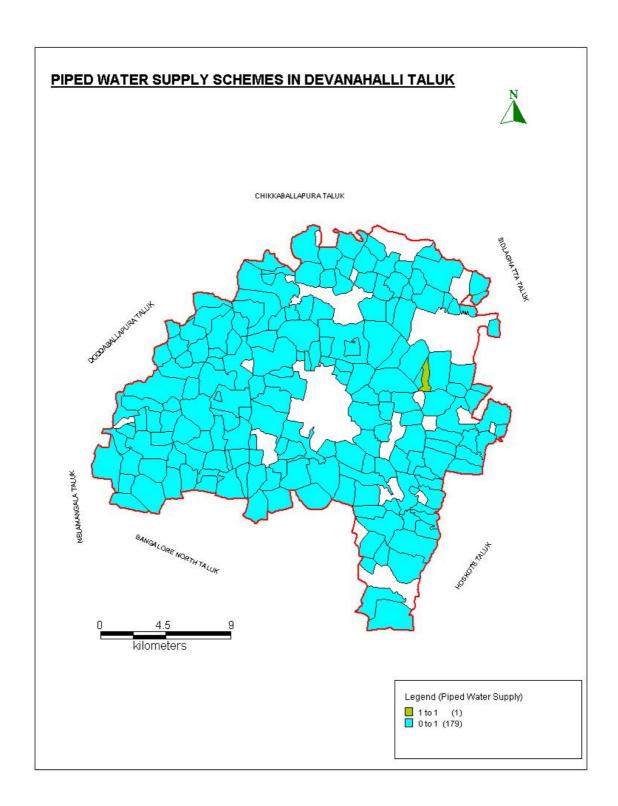


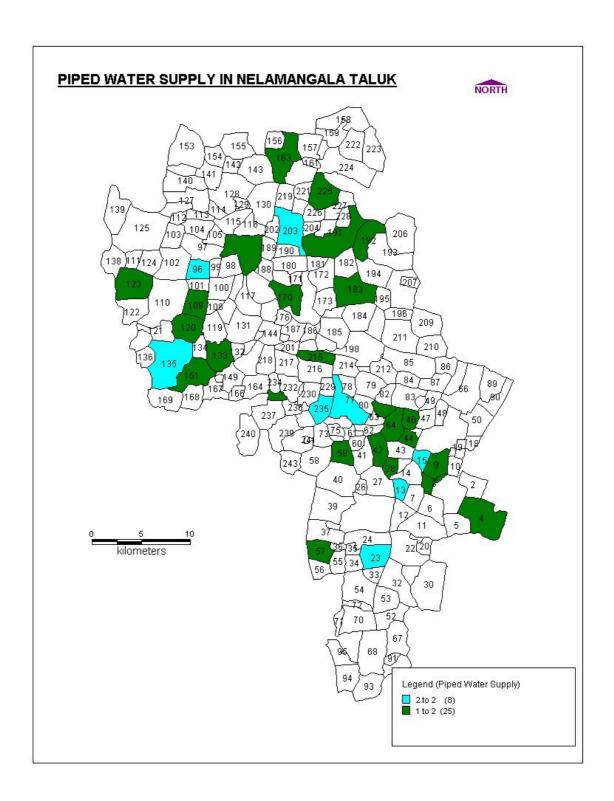


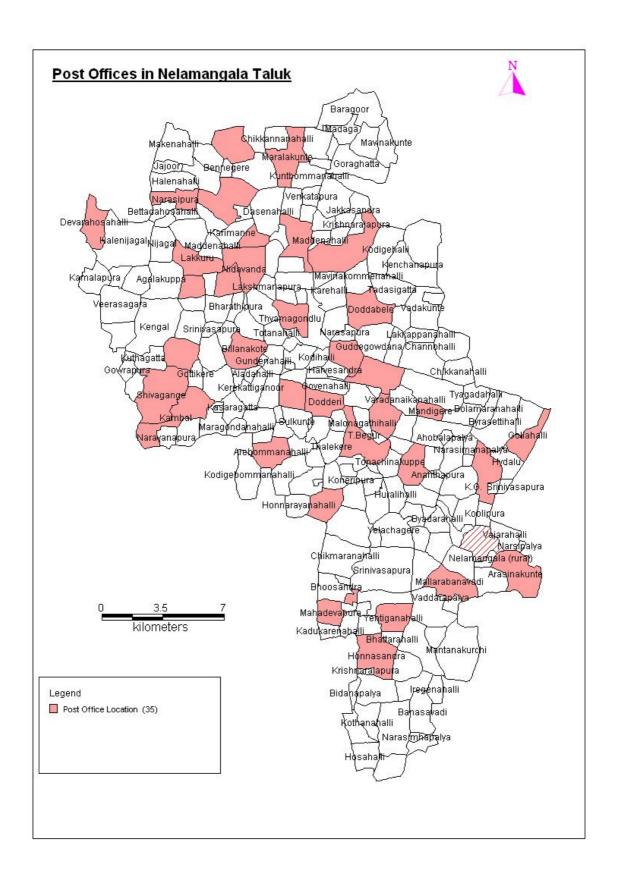


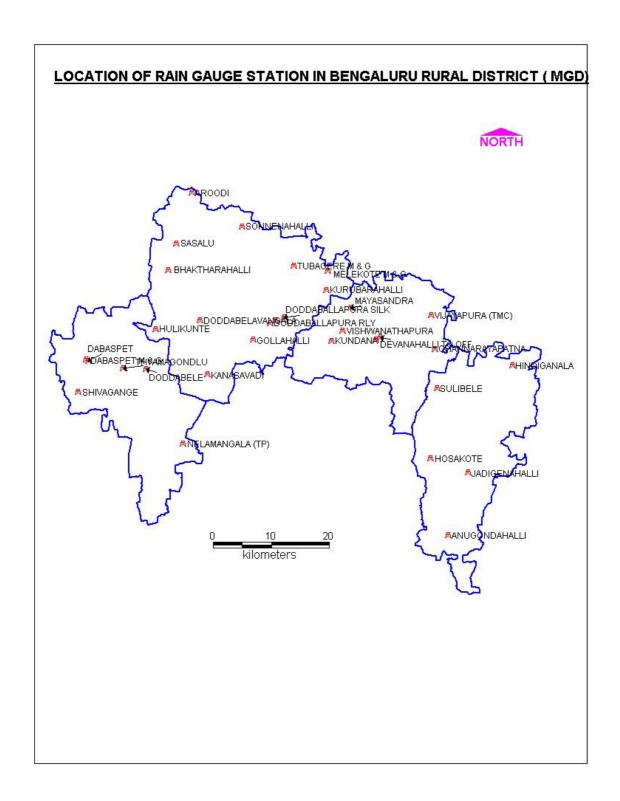


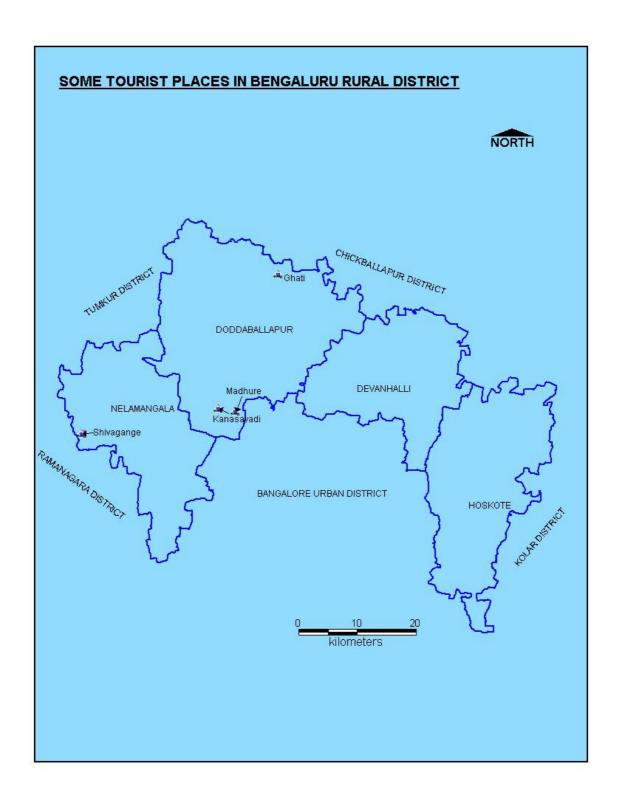


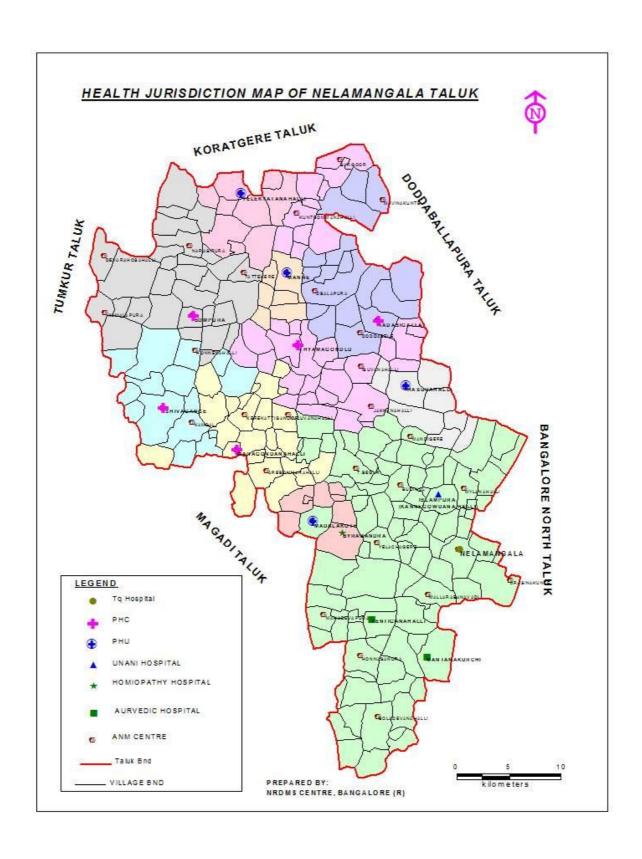


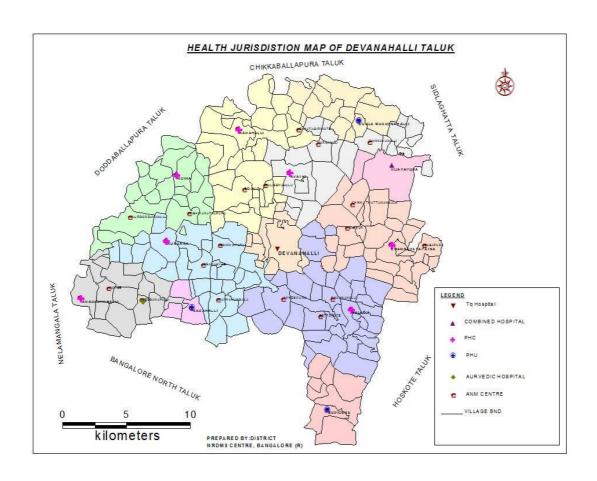


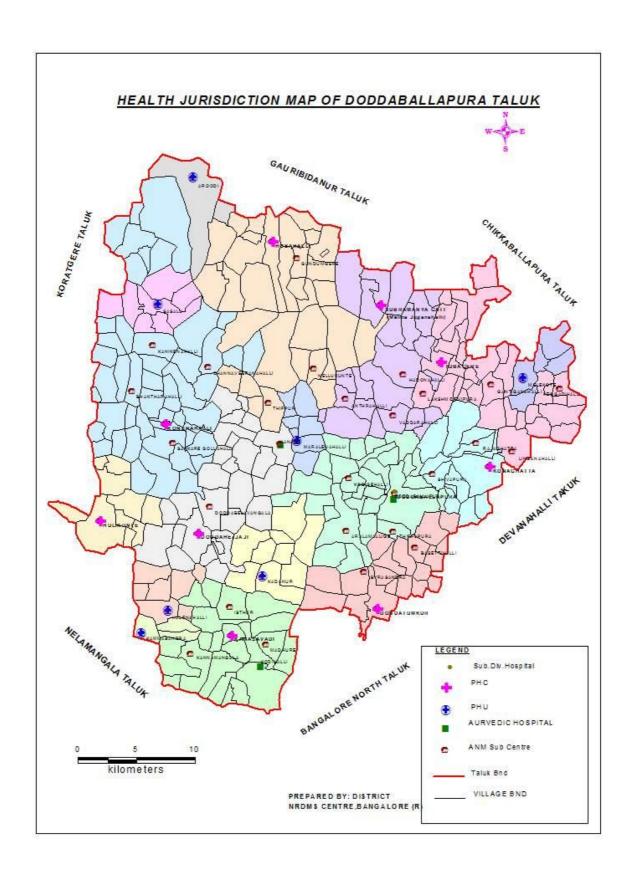


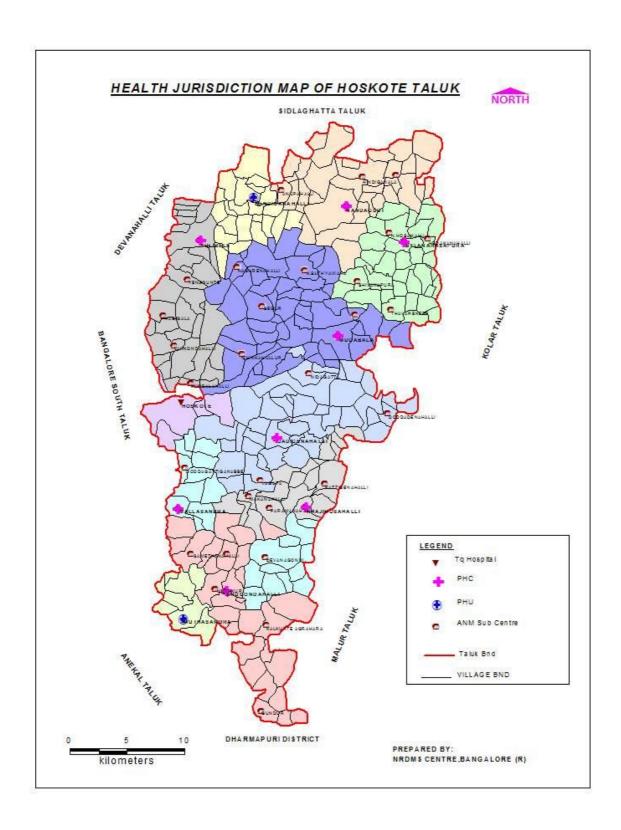












## NATURAL RESOUCES

**SPATIAL AND NON-SPATIAL** 

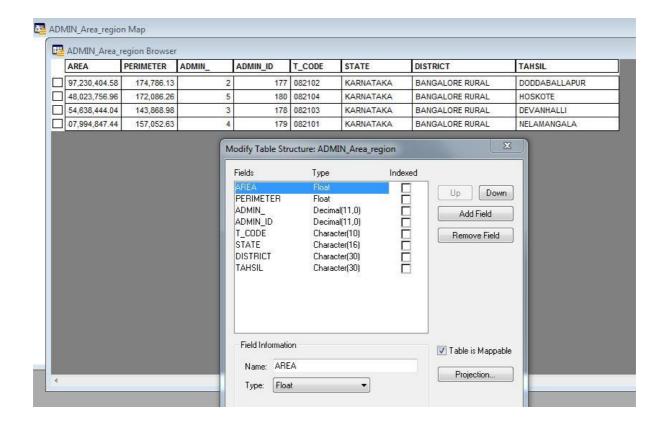
# NATURAL RESOUCES

[LAND, WATER, SOIL]

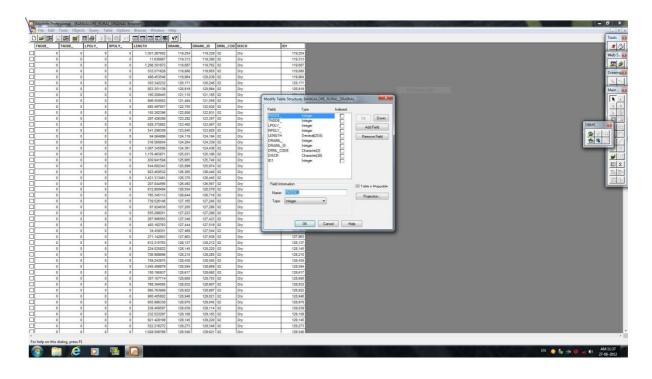
SAMPLE DATA STRUCTURES ON NATURAL RESOURCES THEMES
AND SAMPLE MAPS

#### SOME SAMPLE DATA STRUCTURE ON NATURAL RESOUCES

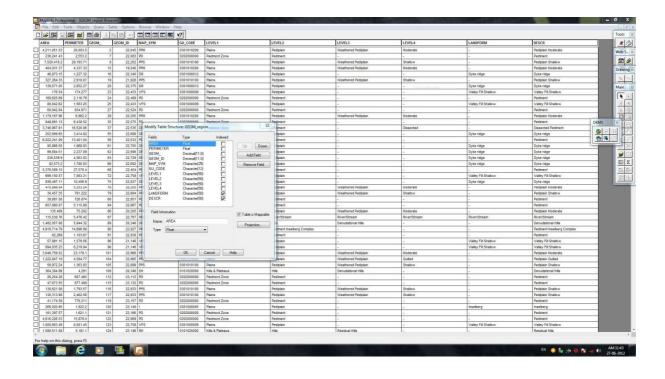
#### **ADMIN-BOUNDARY**



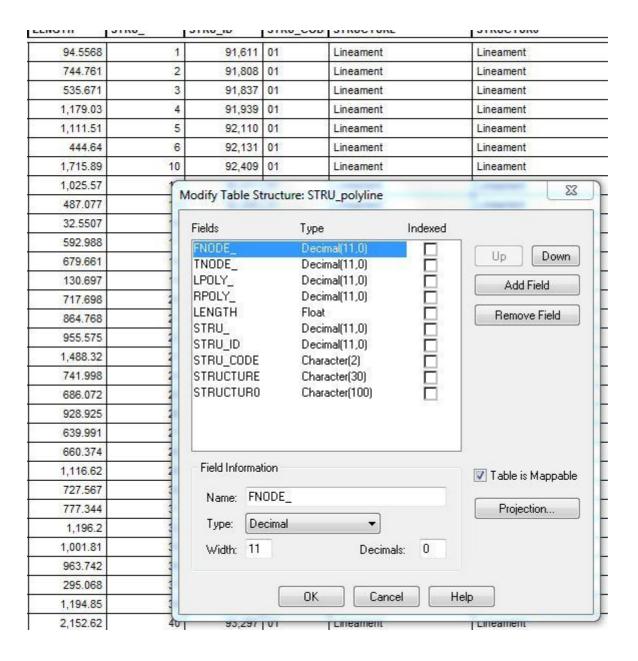
#### **DRAINAGE DATA STRUCTURE**



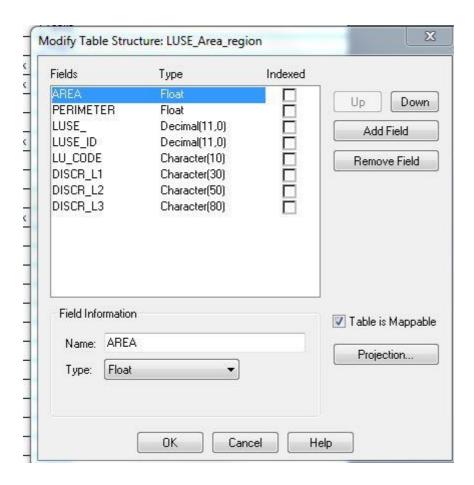
#### **GEO-MORPHOLOGY**



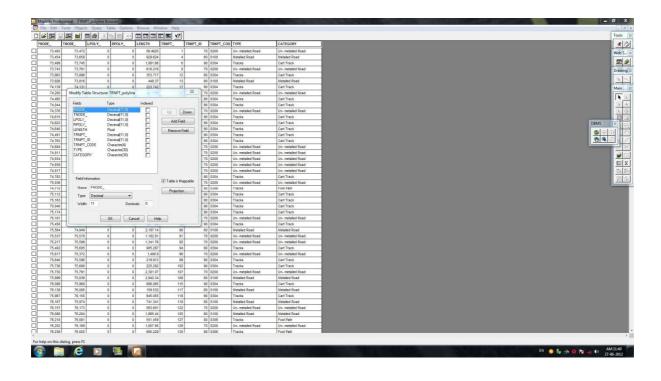
#### **LINEAMENTS**



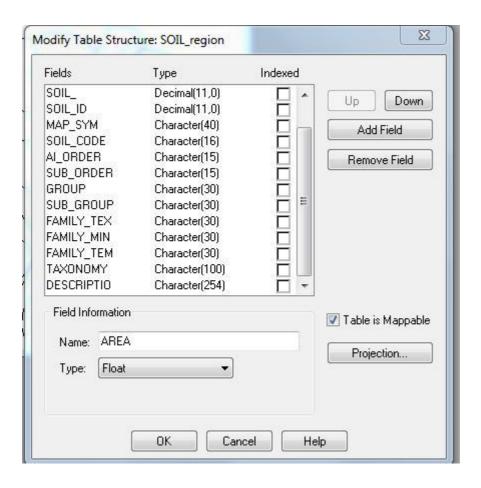
#### **LANDUSE DETAILS**



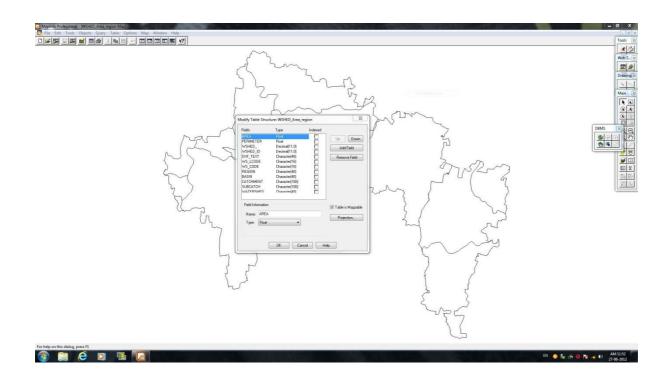
#### **ROAD NETWORK DETAILS**



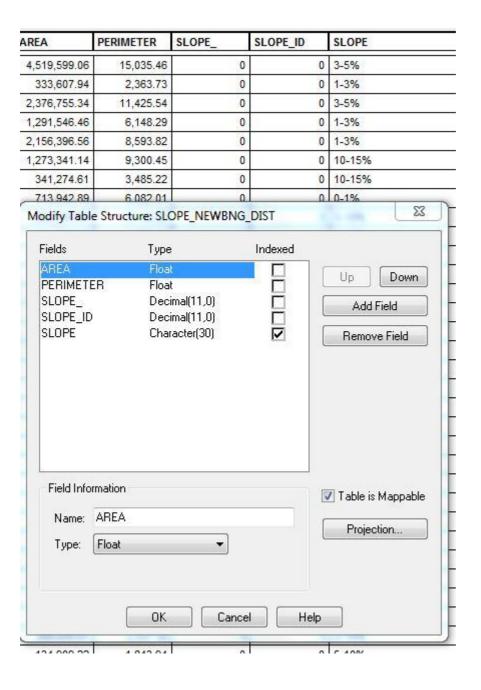
#### **SOILS**



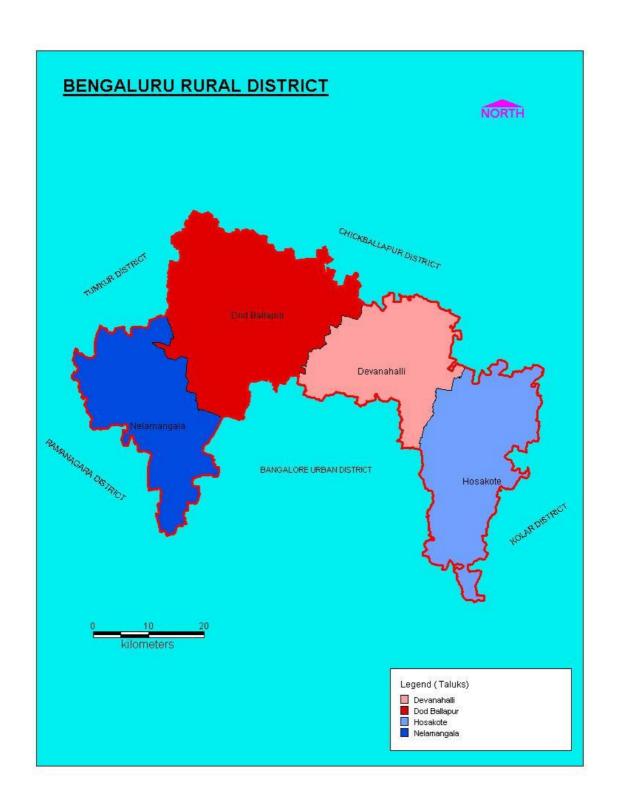
#### **WATERSHED DETAILS**

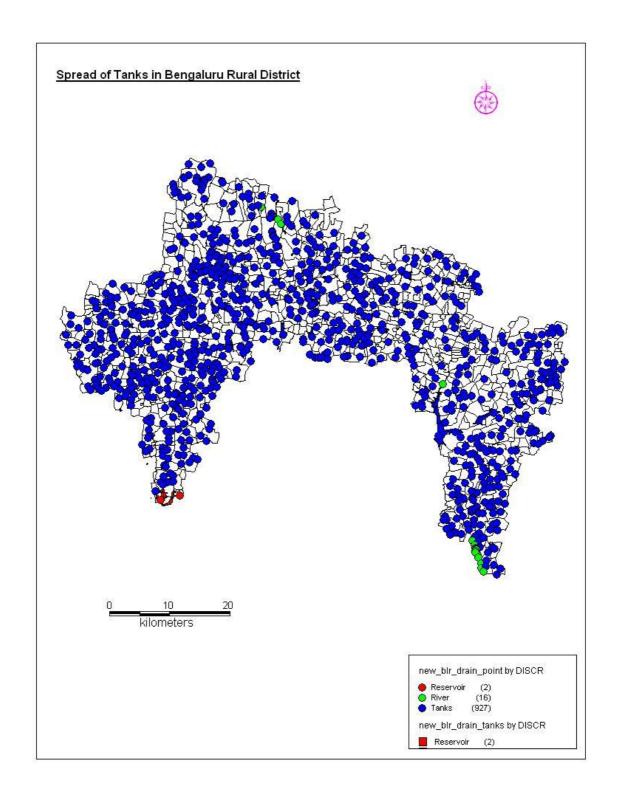


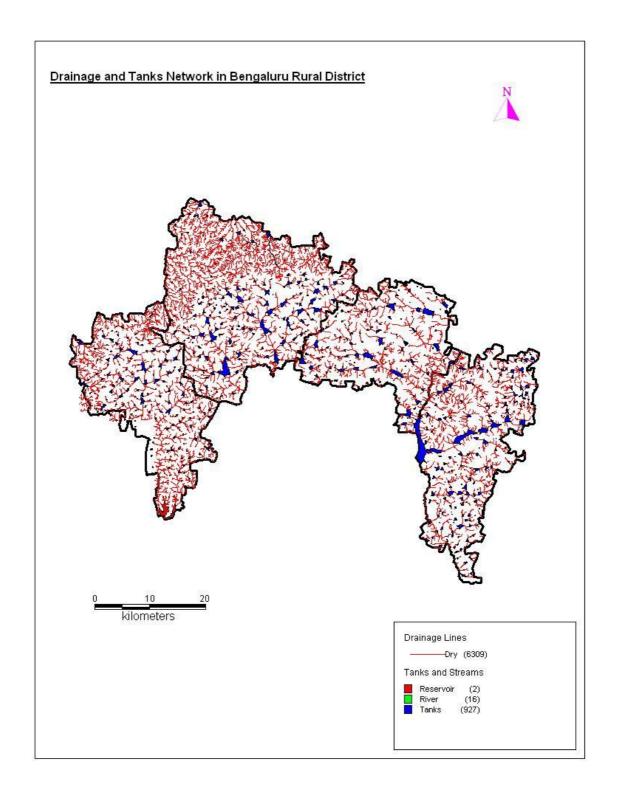
#### **SLOPE DETAILS**

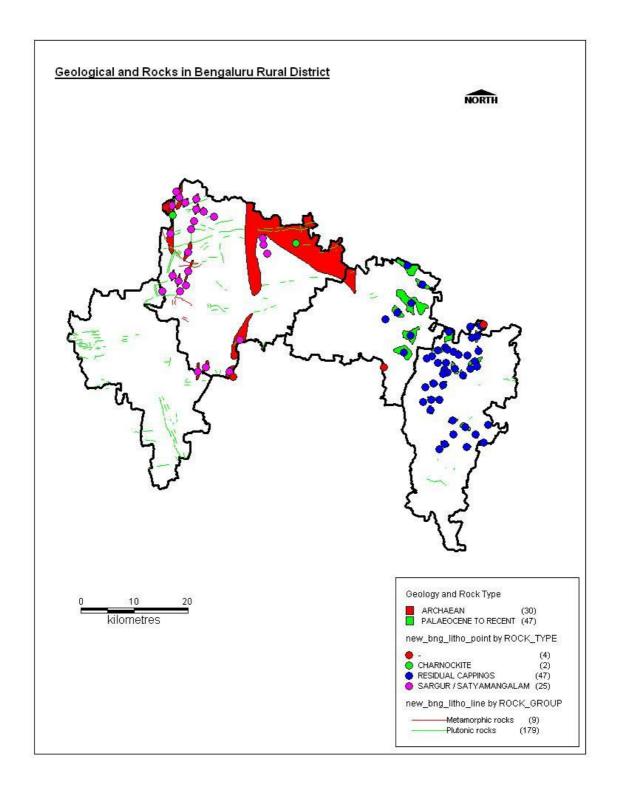


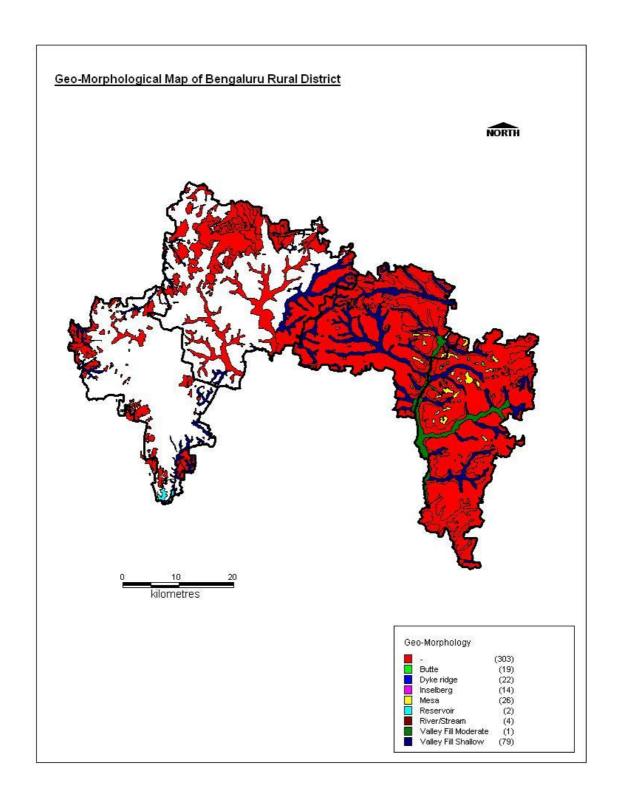
# NATURAL RESOURCES MAPS LAND, WATER, SOIL

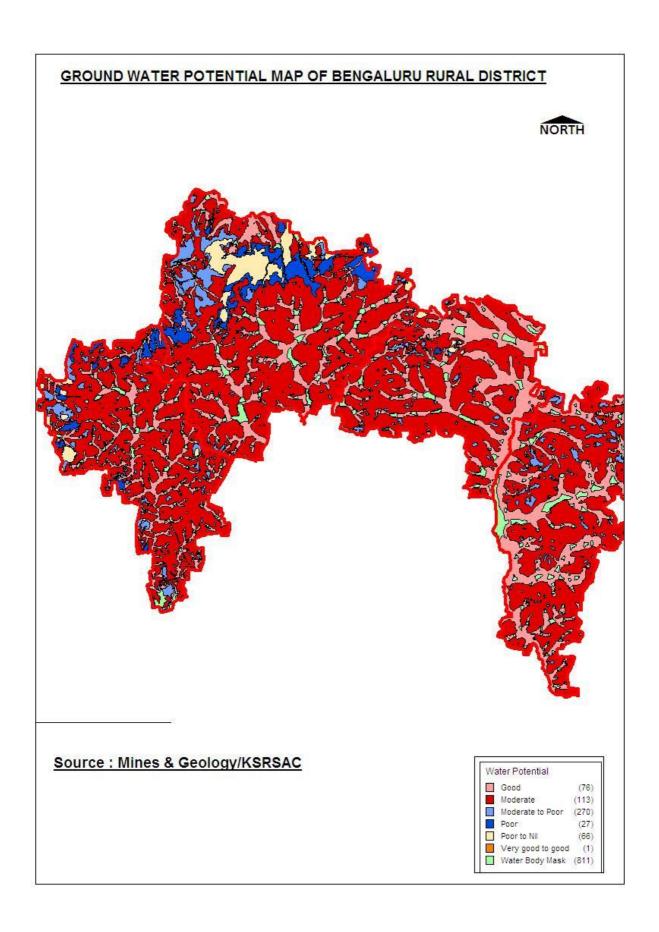


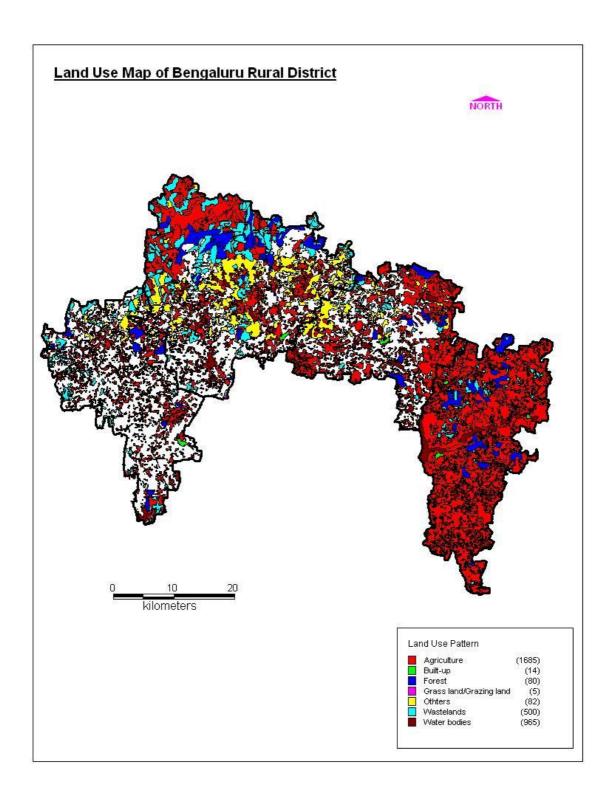


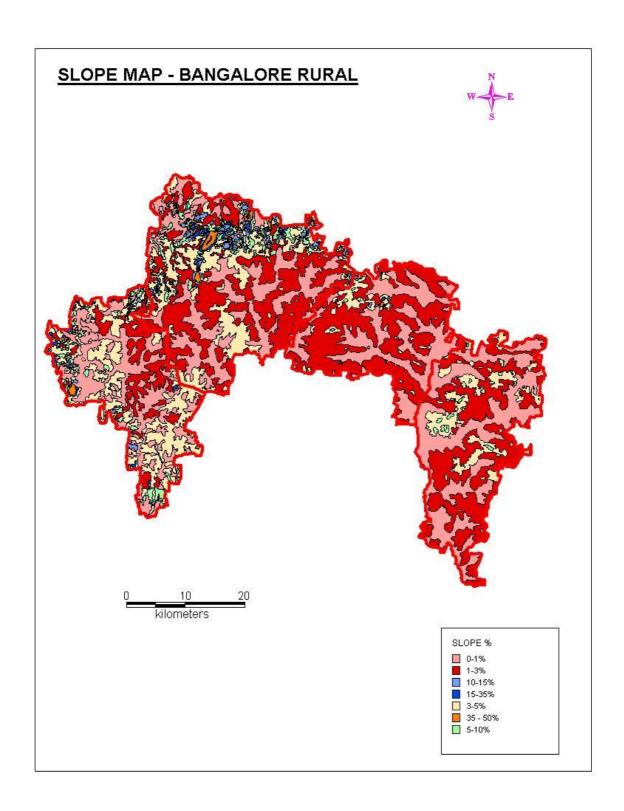


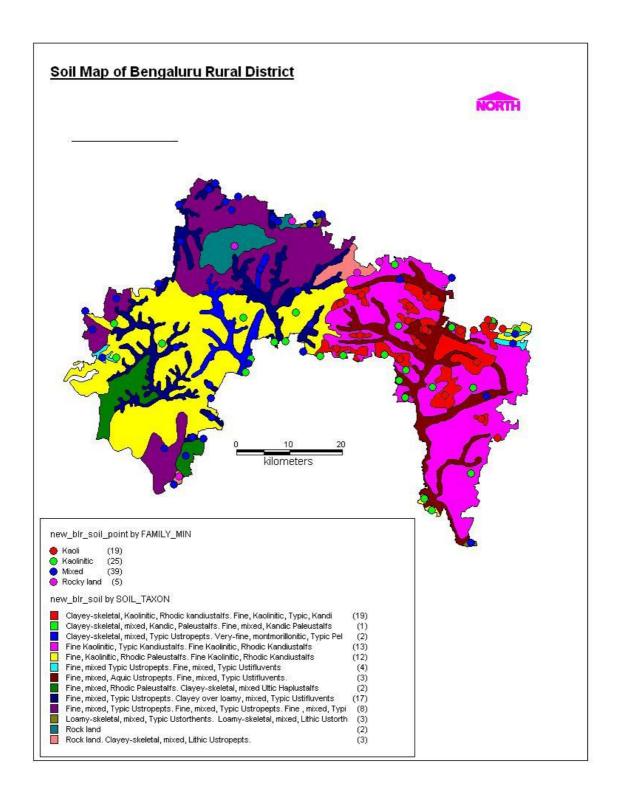


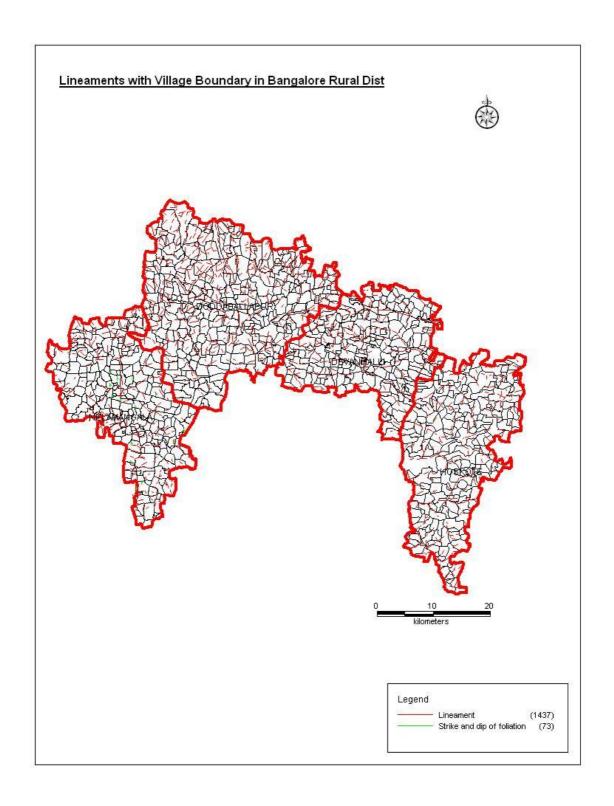


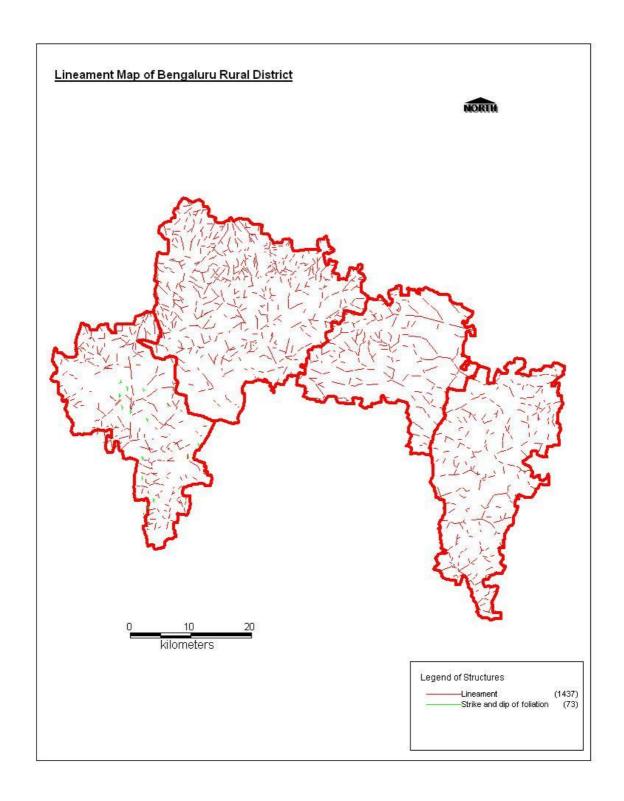


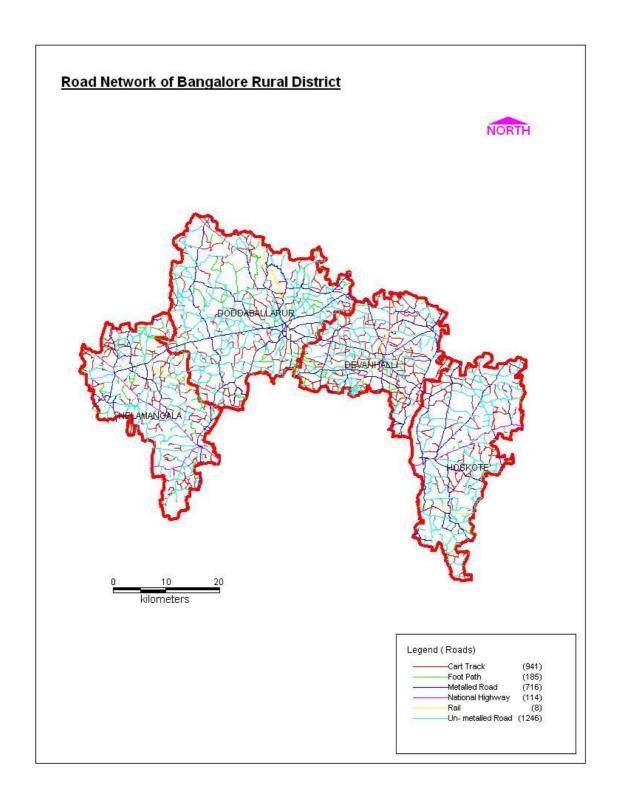


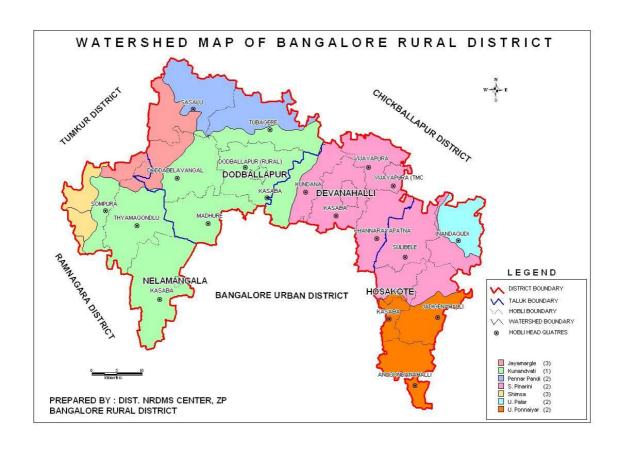




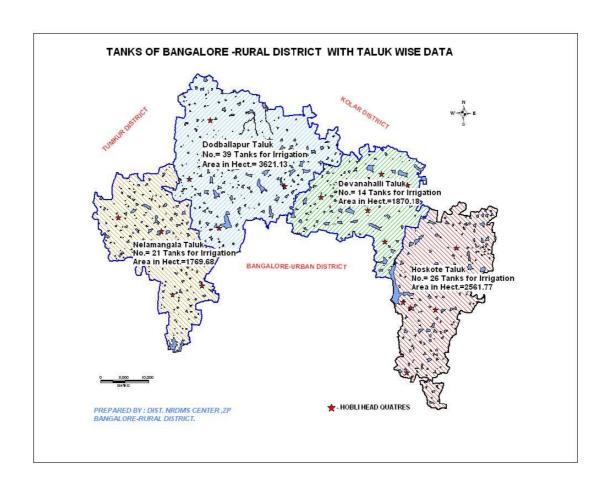


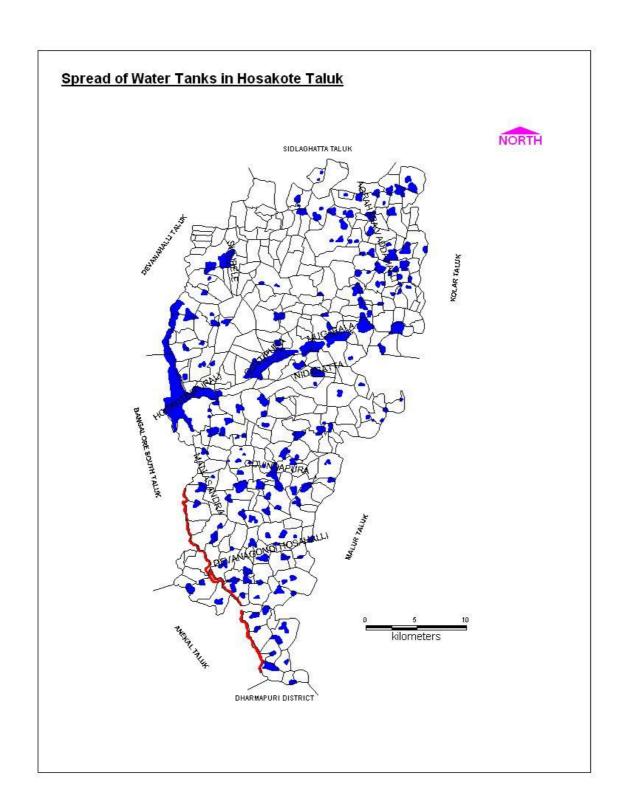


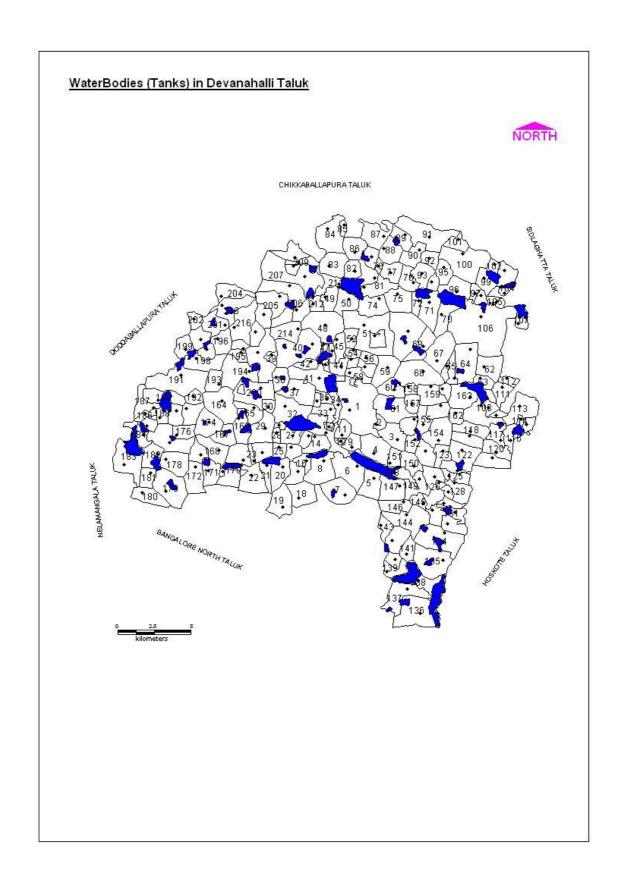


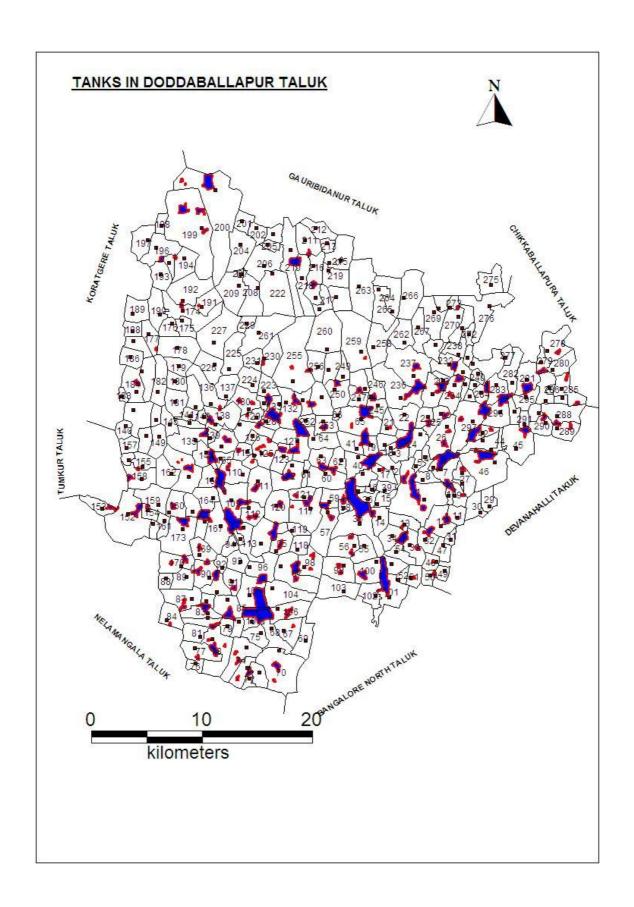


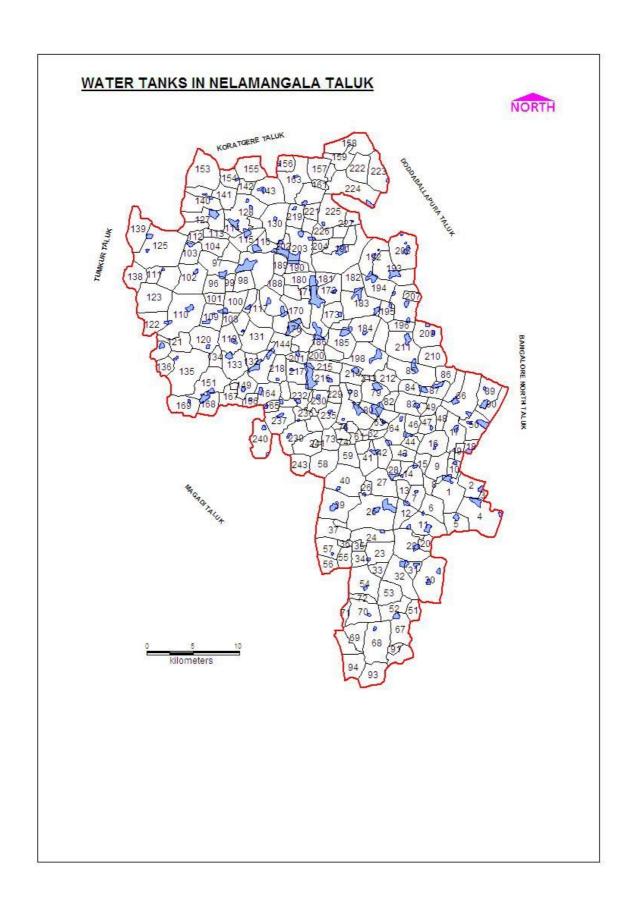
### RAIN-GUAGE STATIONS OF BANGALORE-RURAL DISTRICT DODDABALLAPUR =8 DEVANAHALLI N.F=849MMs A.F=725MMs N.F=767MMs A.F=1013MMs A.F=999MMs N.F=931MMs HOSAKOTE N.F=750MMs A.F=789MMs =RAIN-GUAGE STATIONS meters TOTAL STATIONS = 20 N.F=NORMAL RAIN-FALL A.F=ACTUAL RAIN-FALL PREPARED BY-DIST. NRDMS CENTER, BANGALORE-RURAL

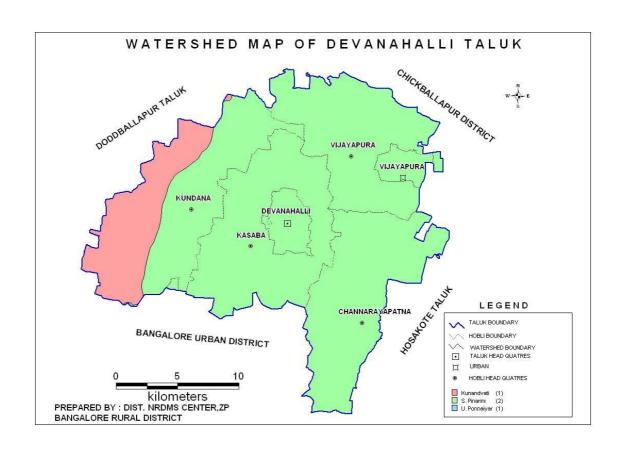


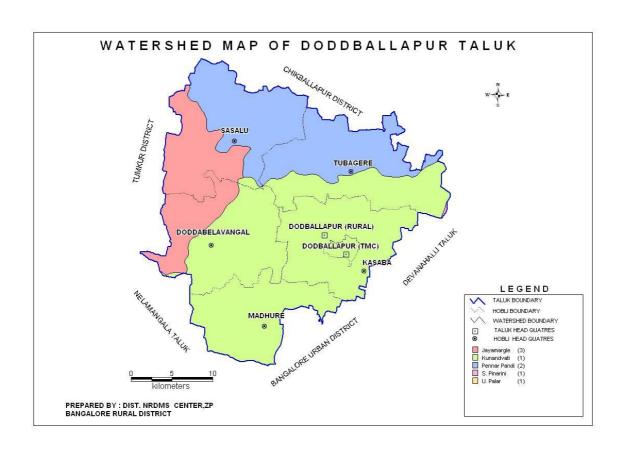


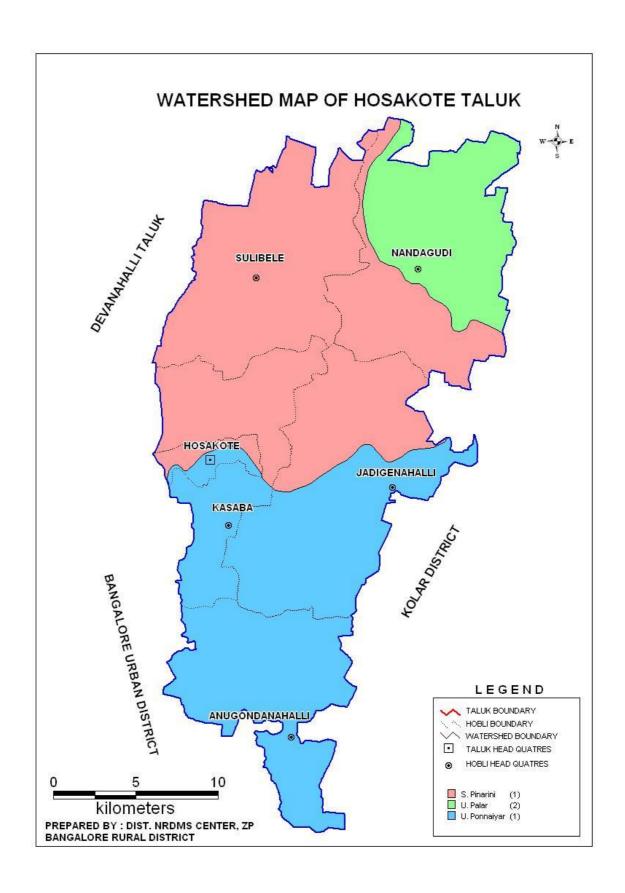


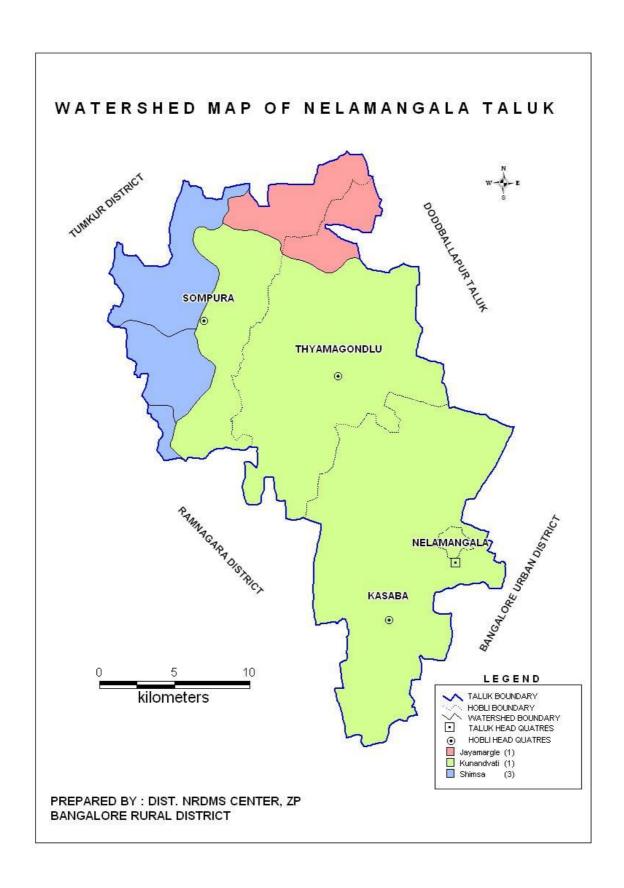


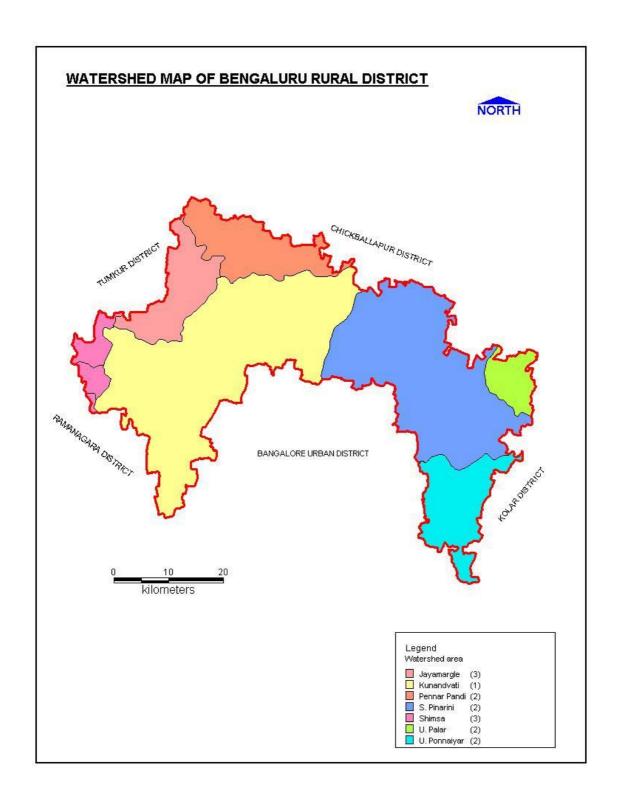


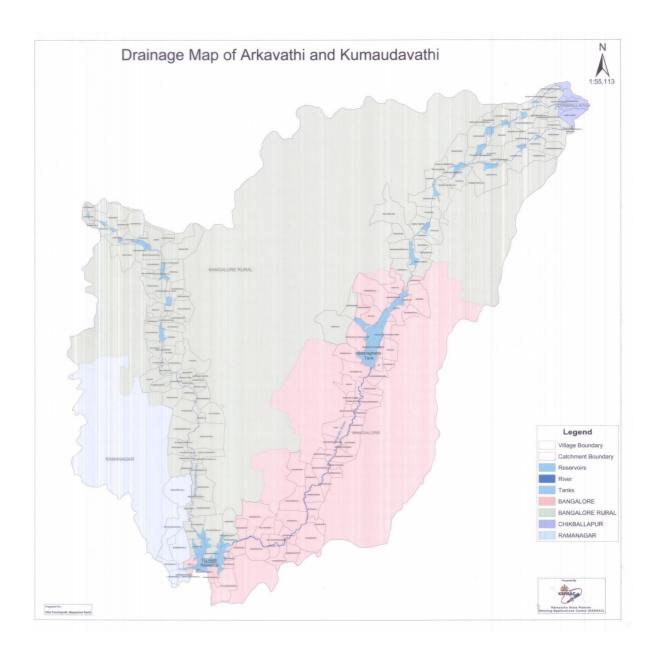


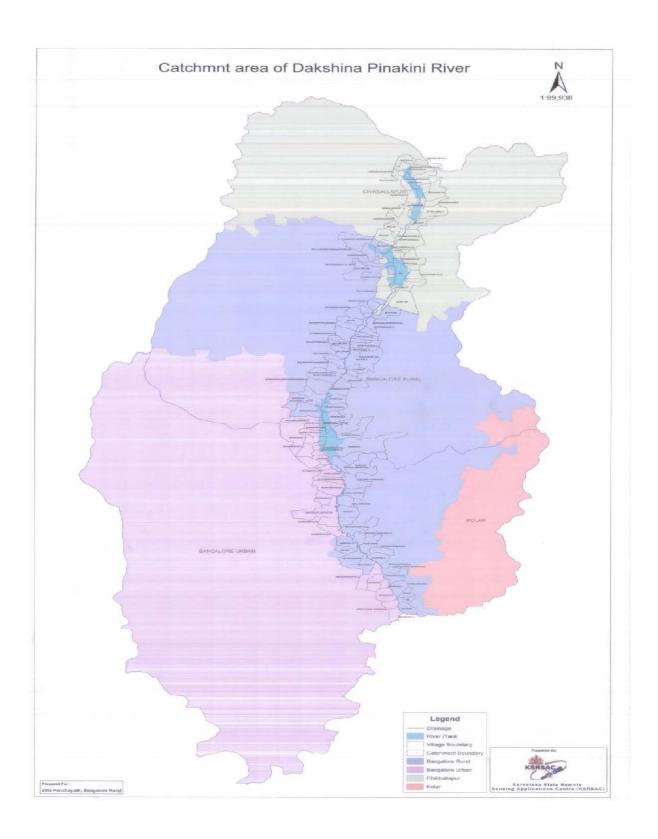


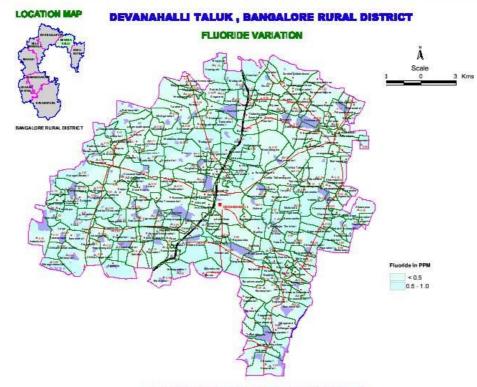




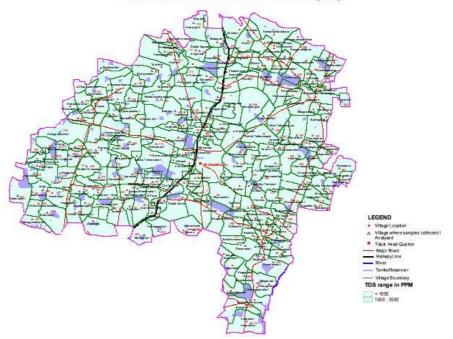






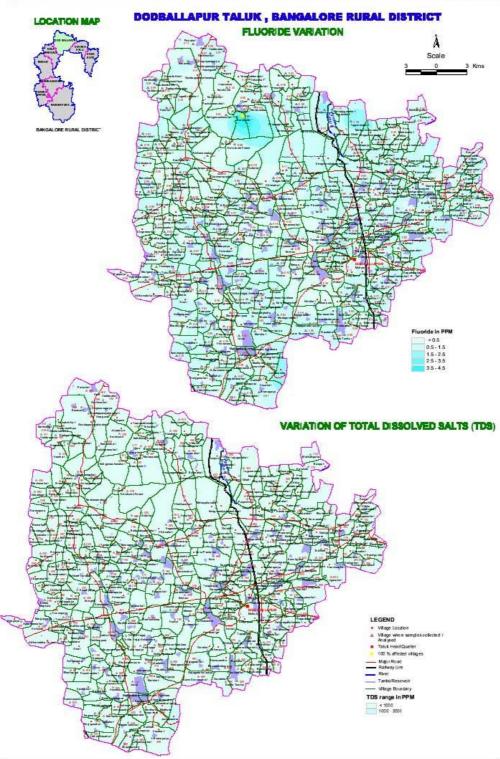


#### VARIATION OF TOTAL DISSOLVED SALTS (TDS)



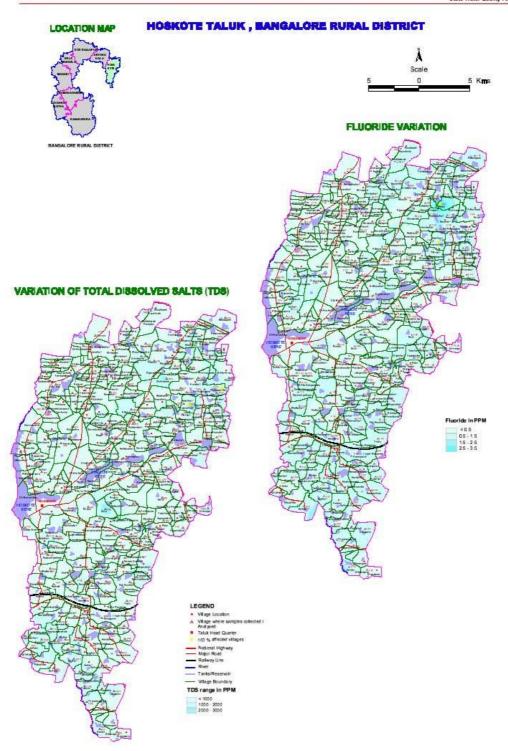
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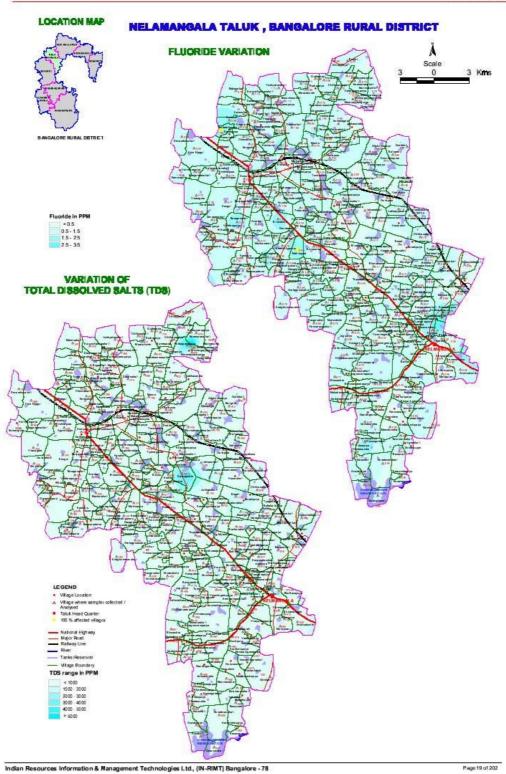
Indian Resources Information & Management Technologies Ltd., (IN-RIMT) Bangalore - 78

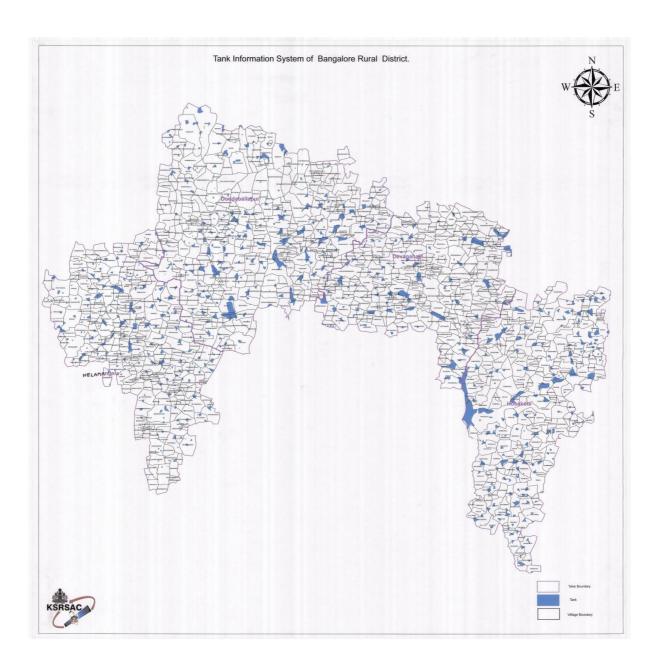
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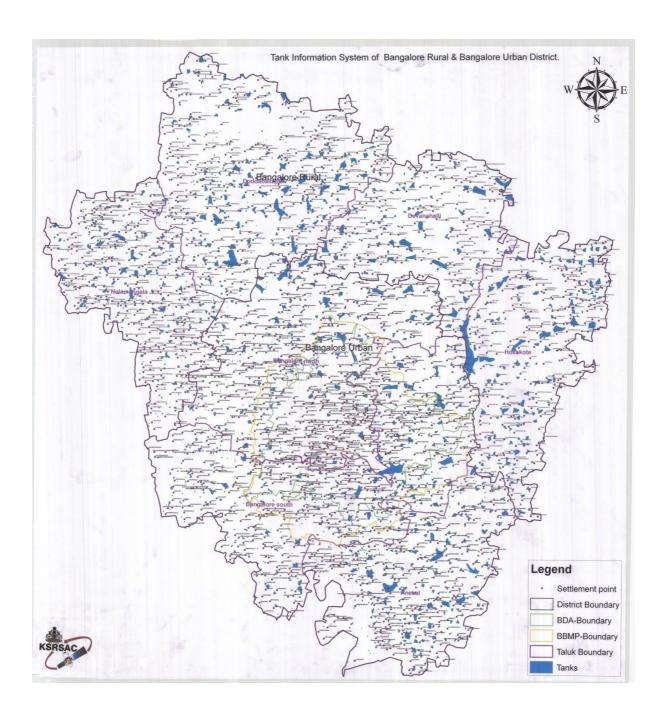


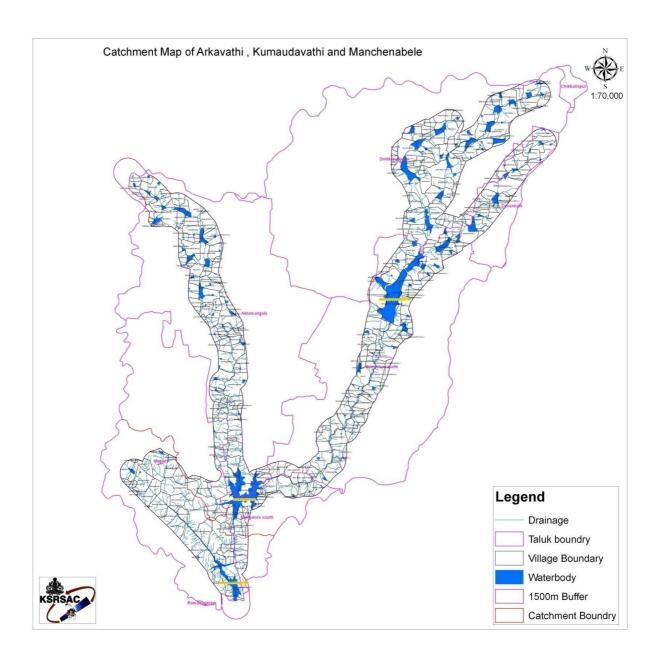
Indian Resources Information & Management Technologies Ltd., (IN-RIMT) Bangalore - 78

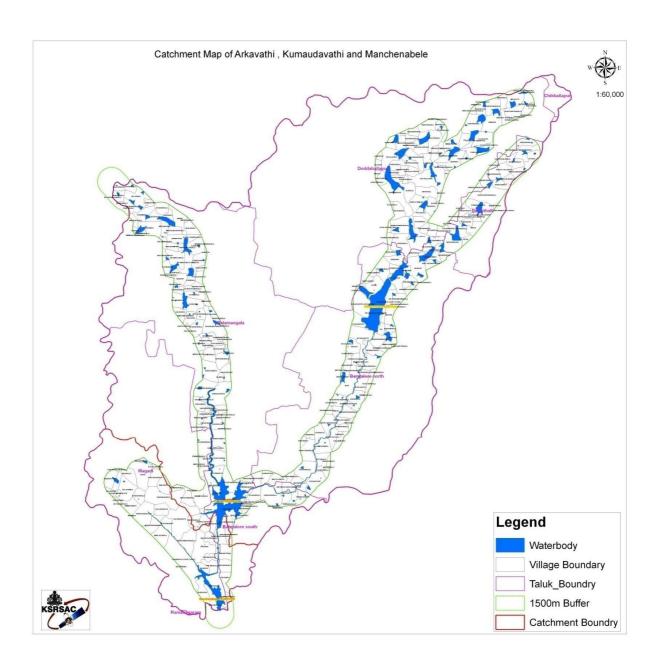
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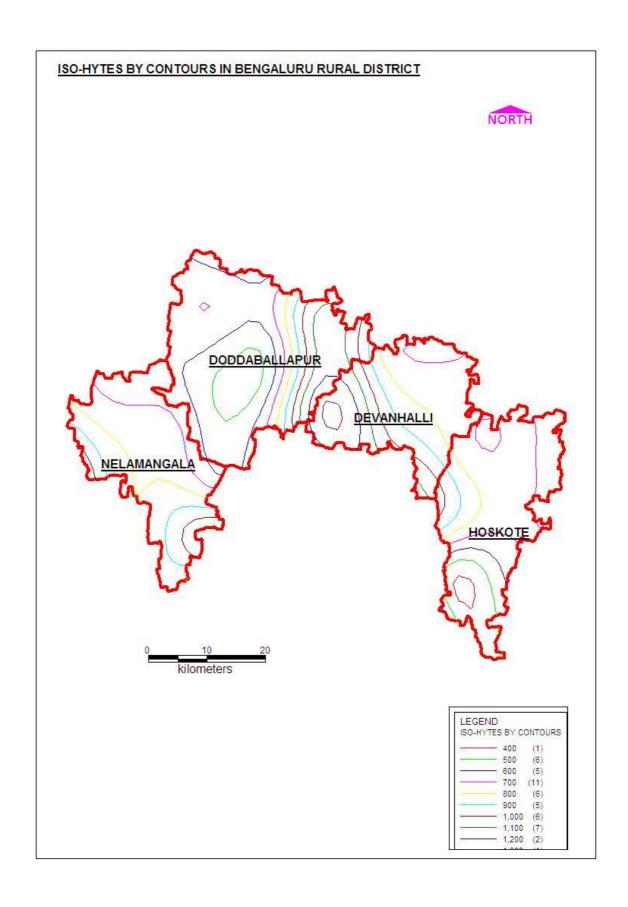


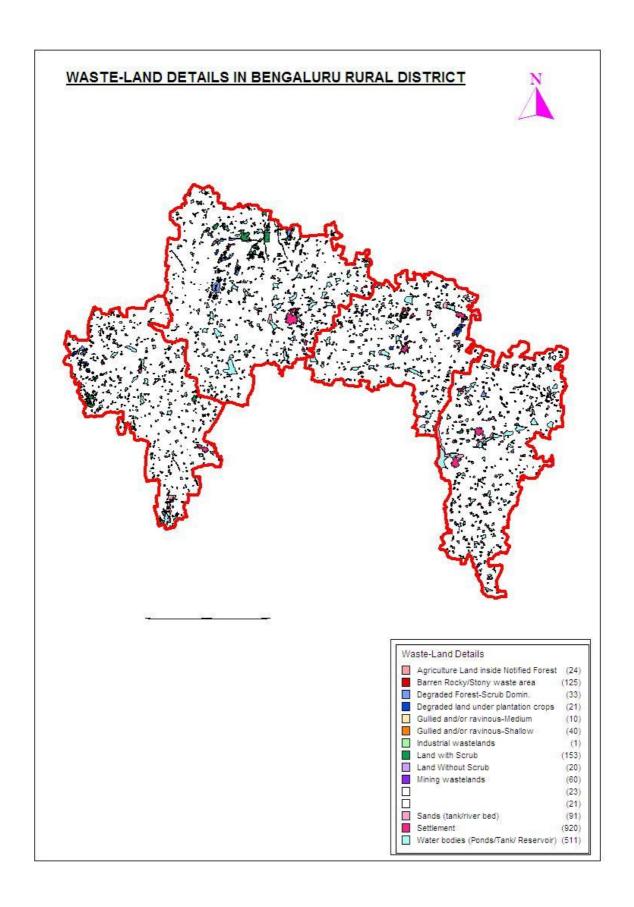


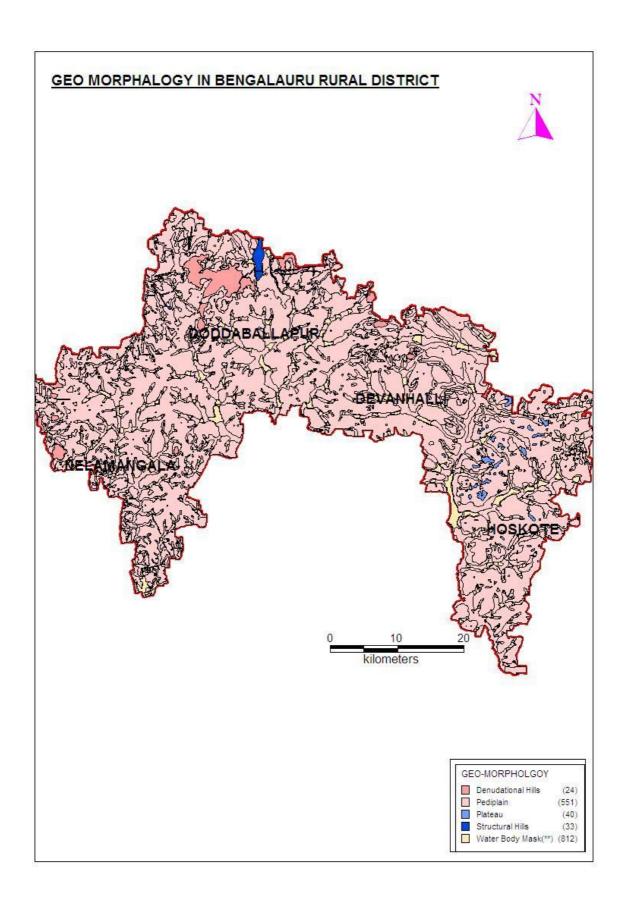


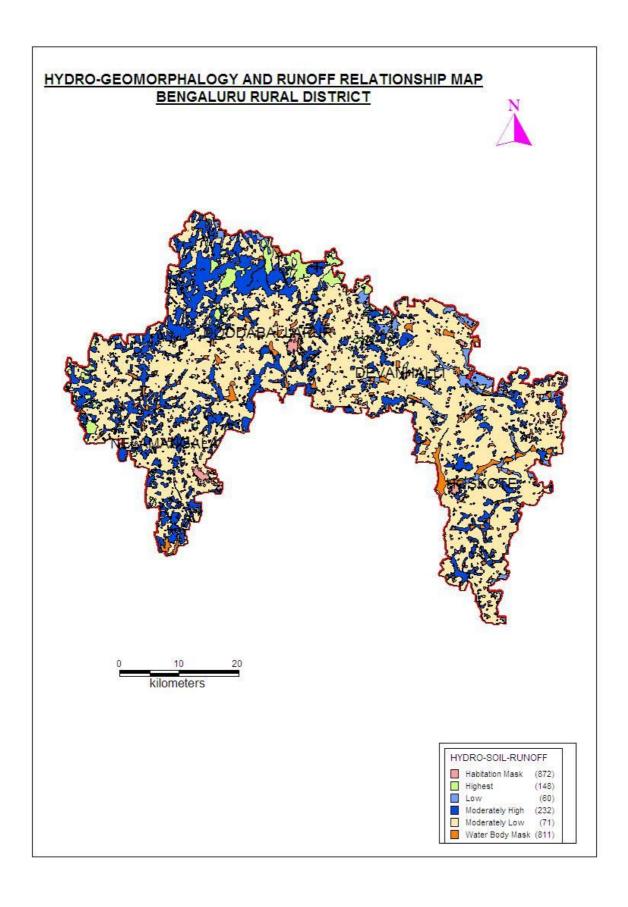


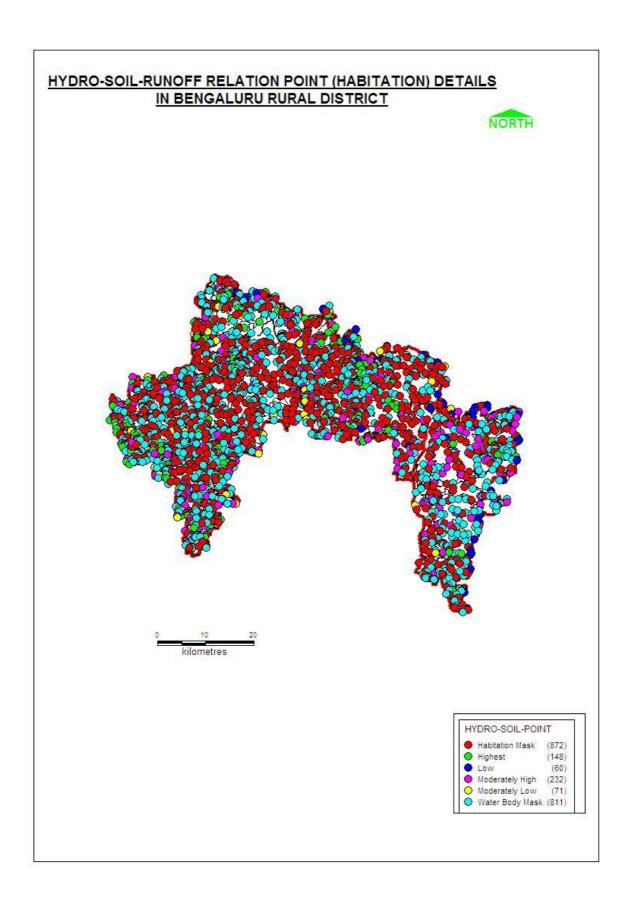




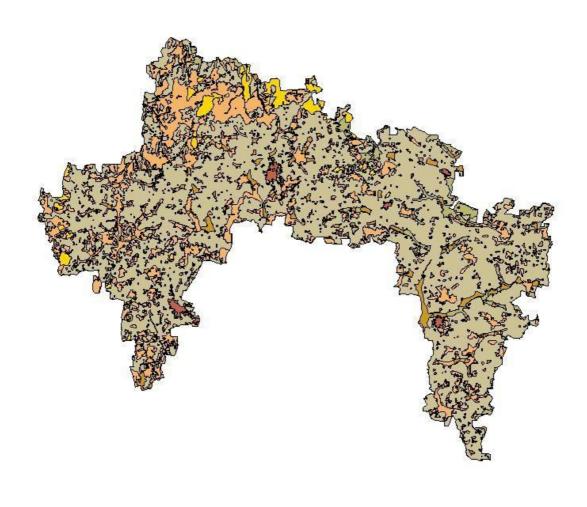


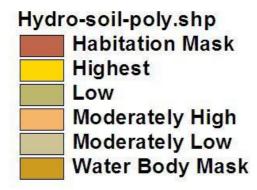




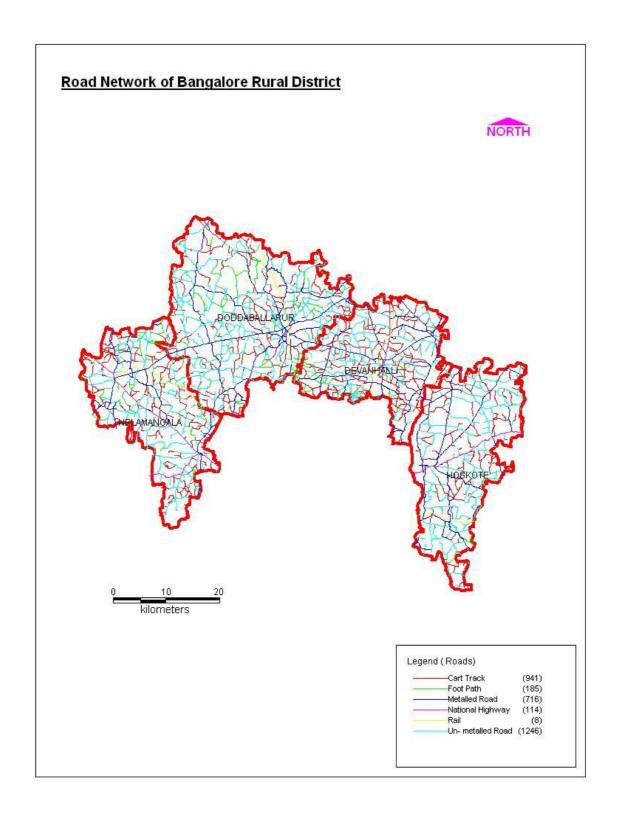


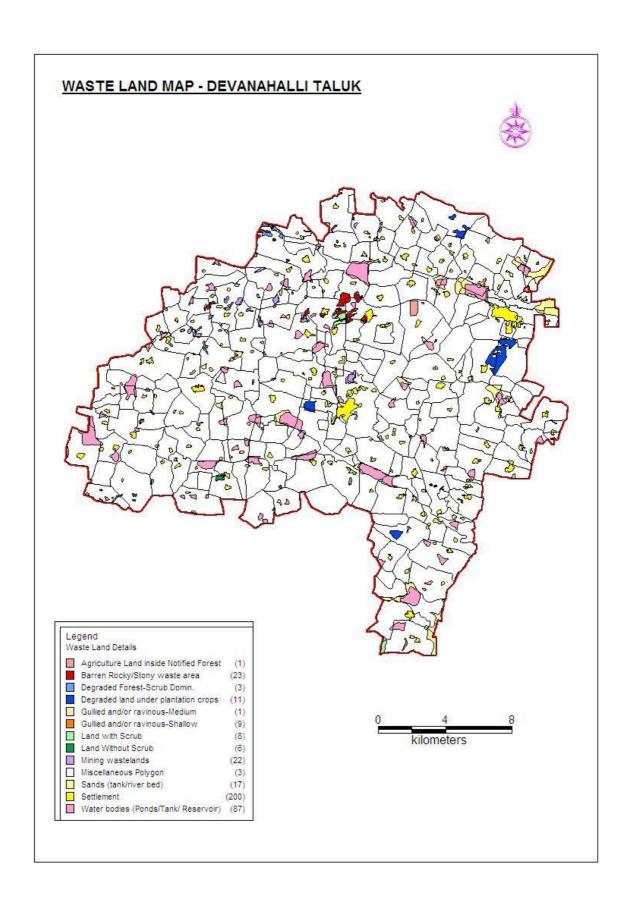
## HYDRO-GEOMORPHALOGICAL MAP OF BENGALURU RURAL DISTRICT

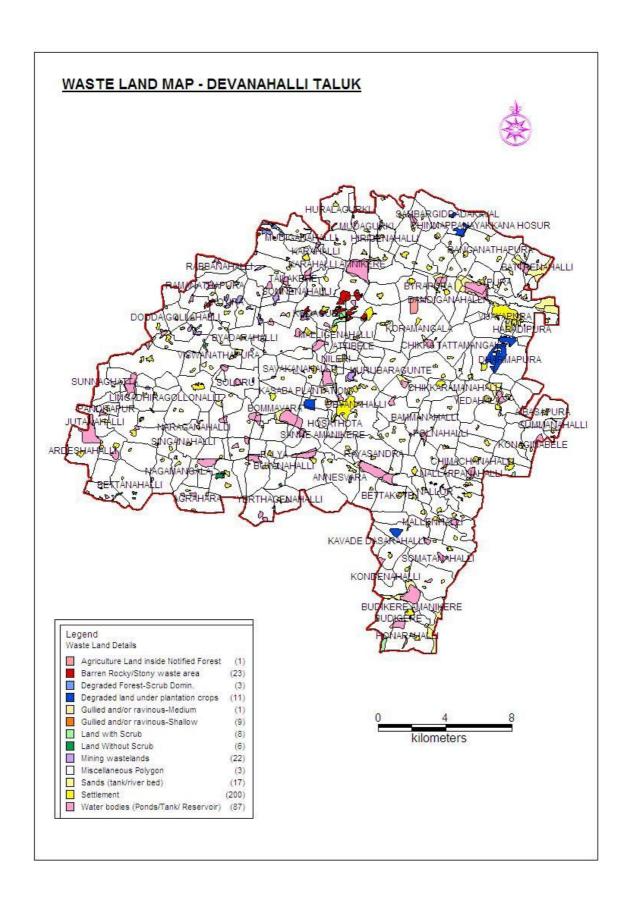


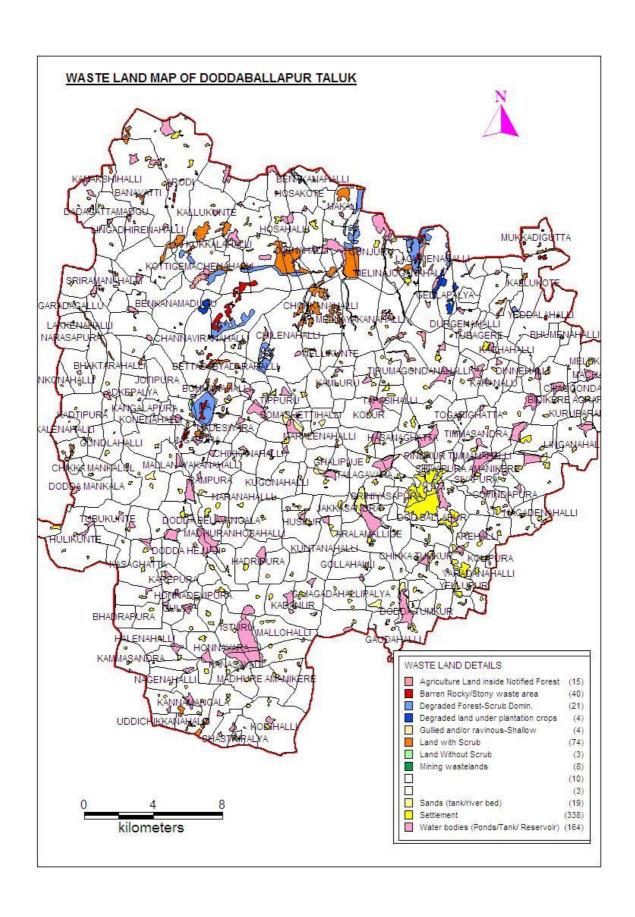


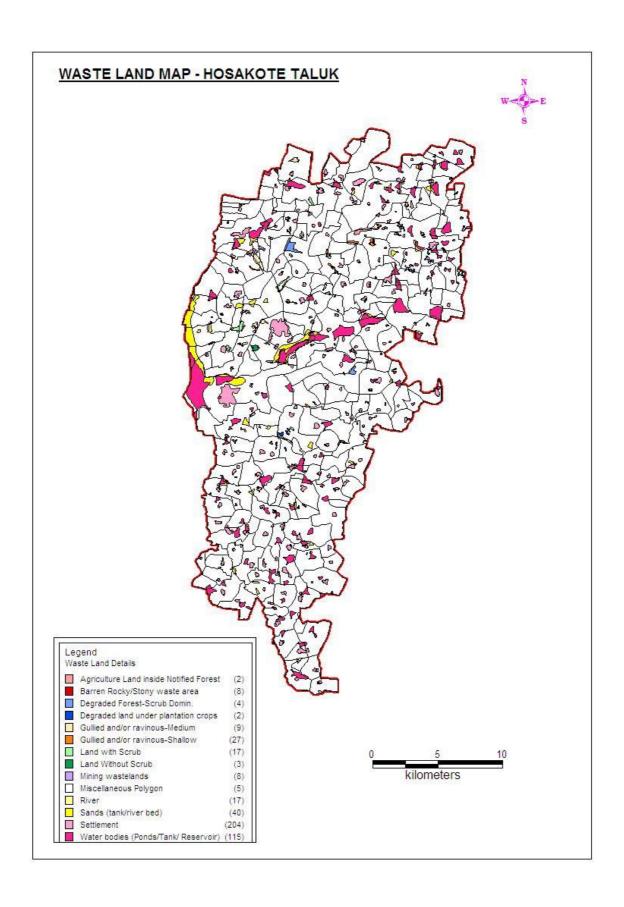


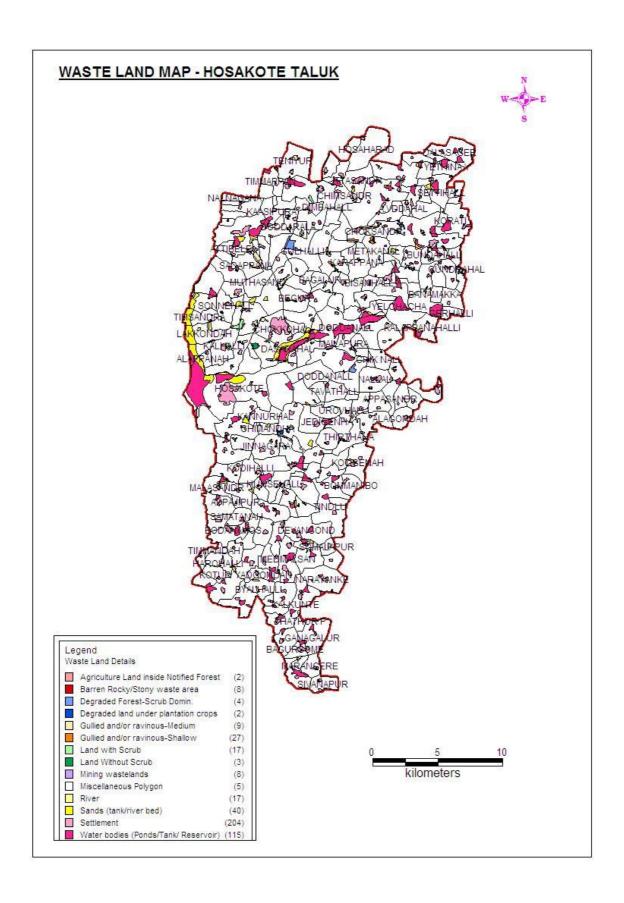


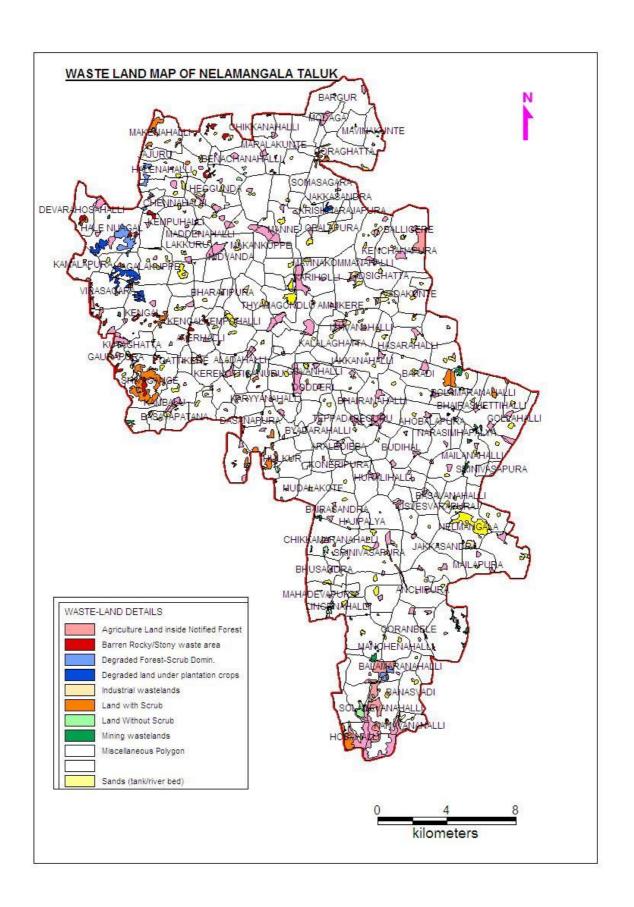


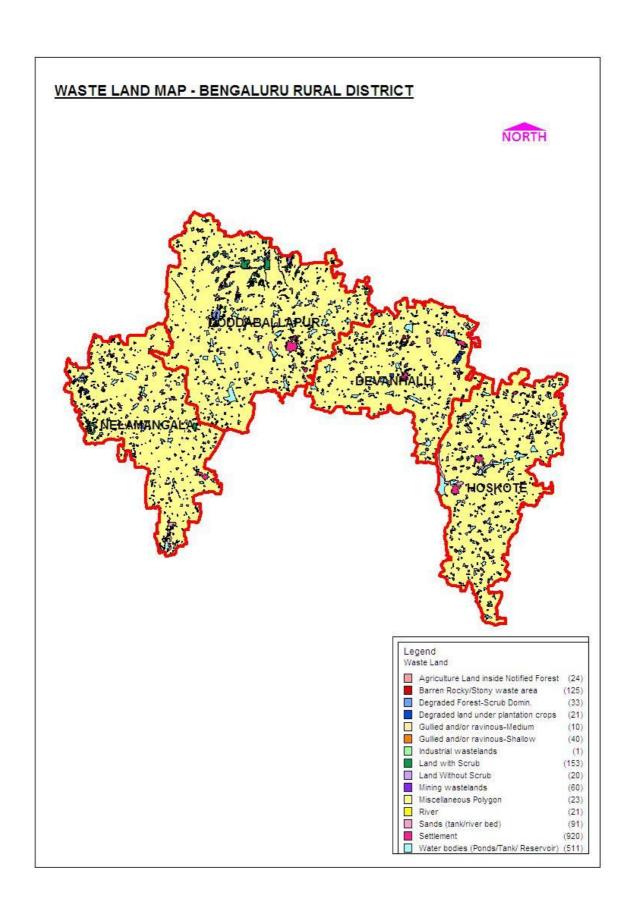


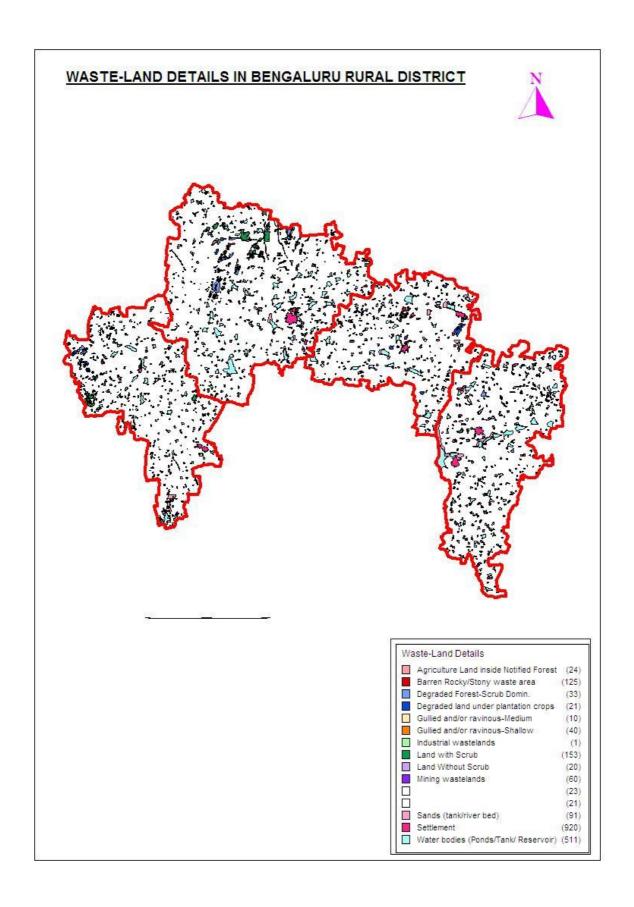


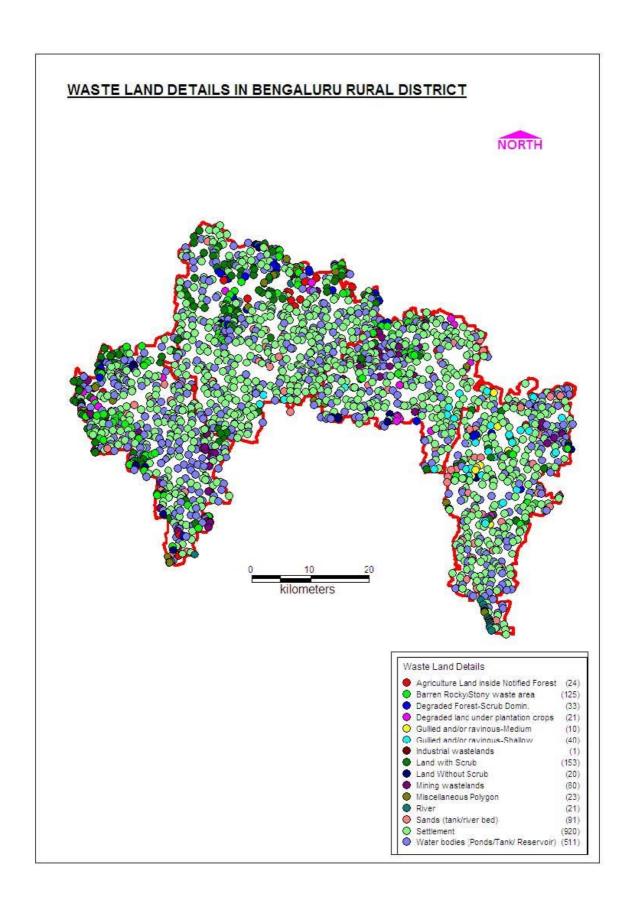


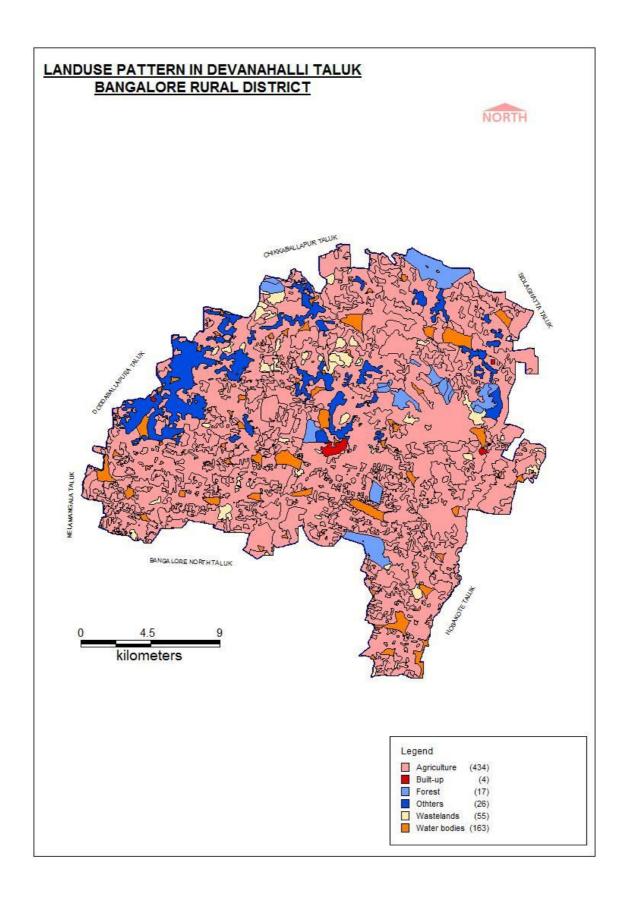


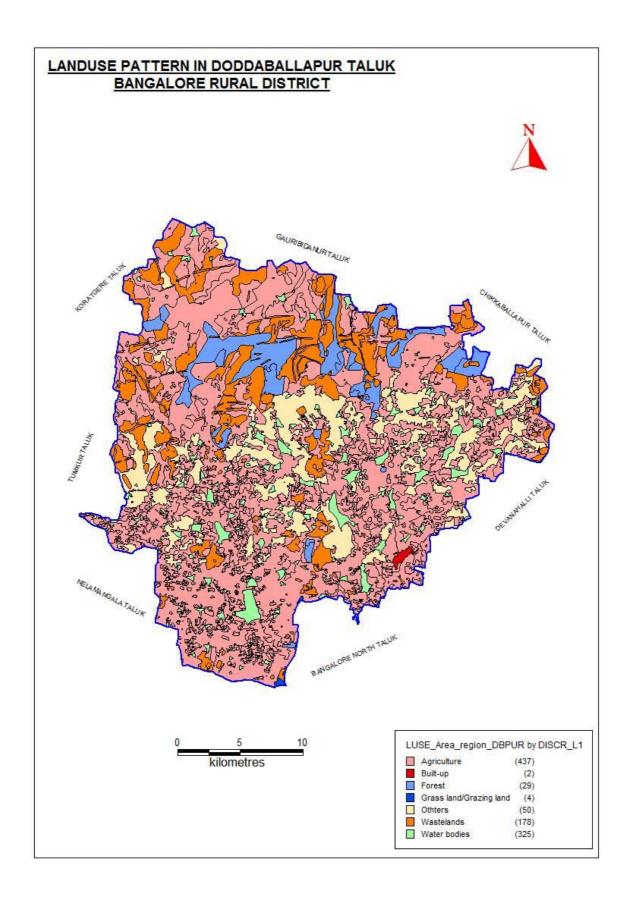


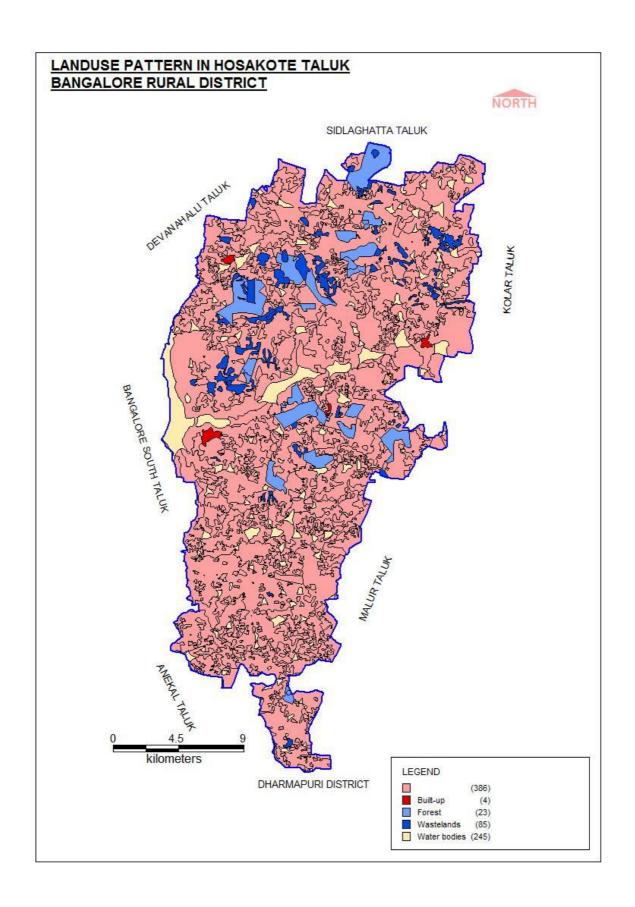


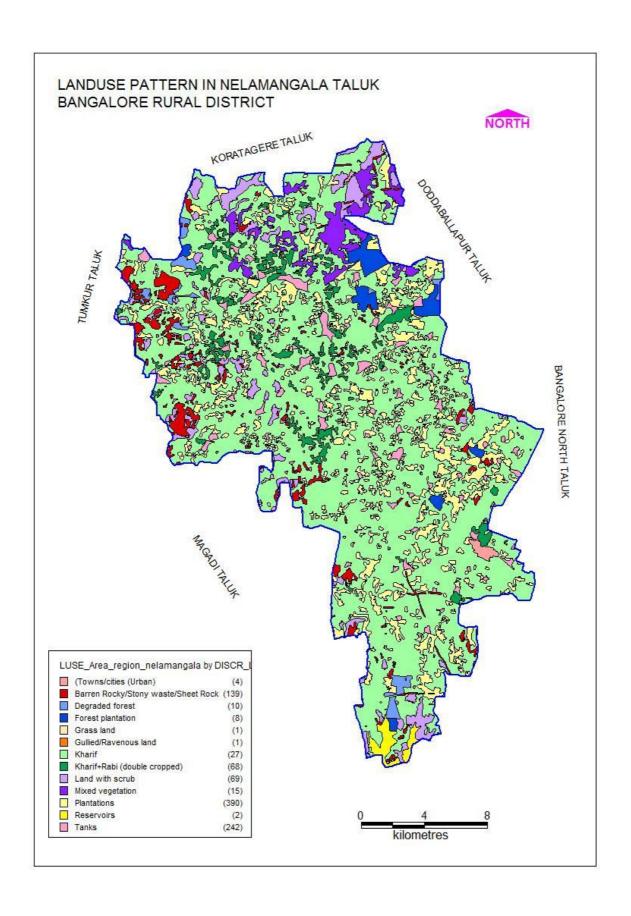


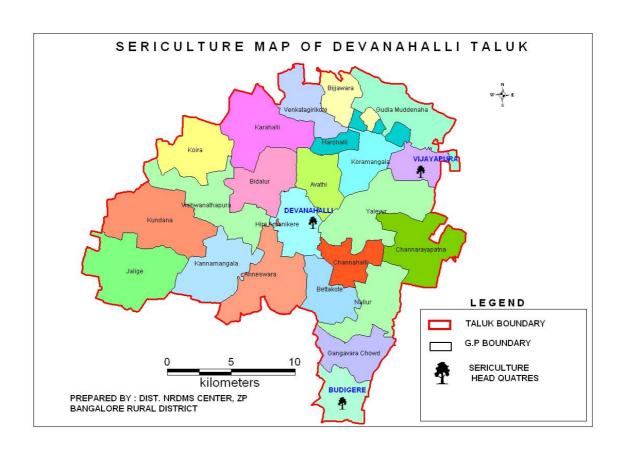


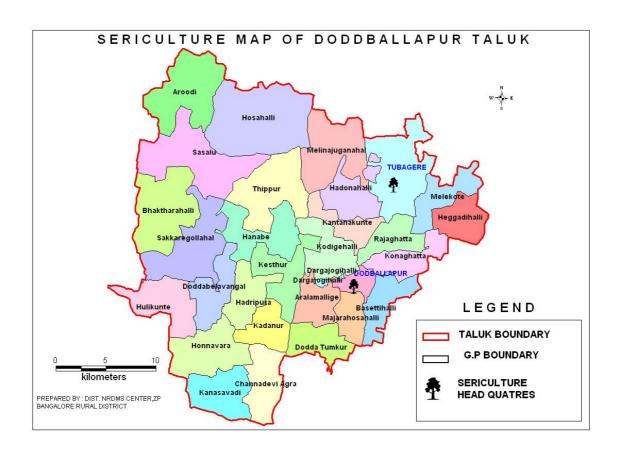


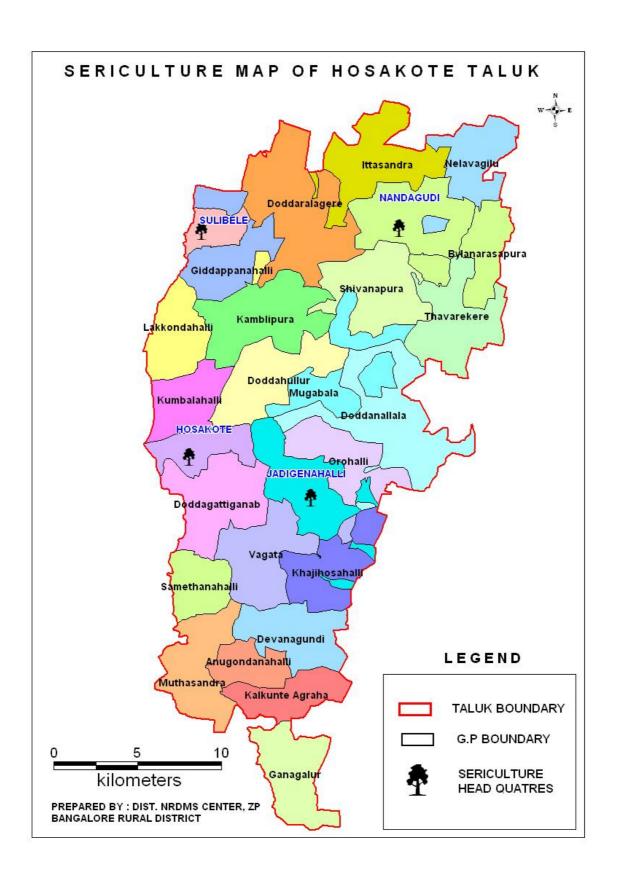


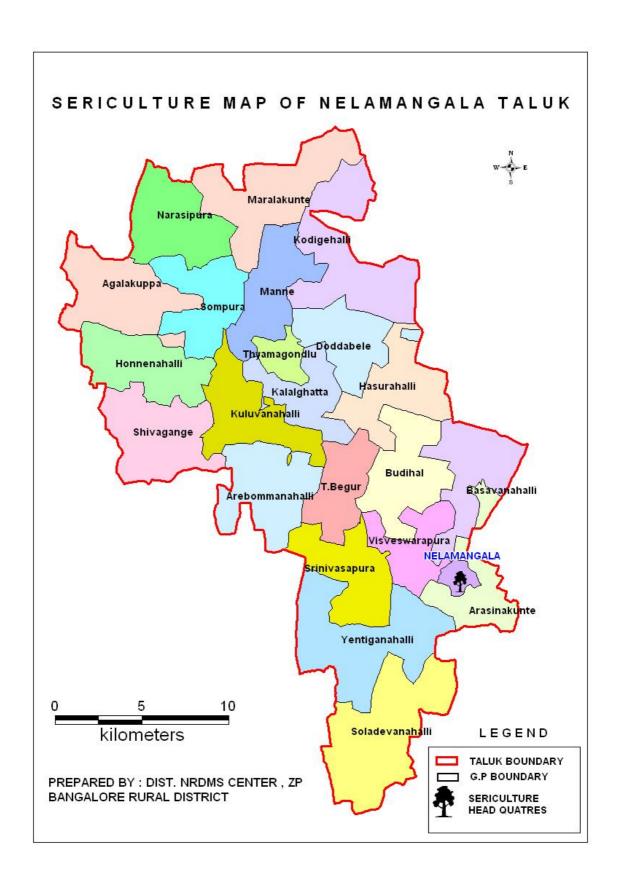








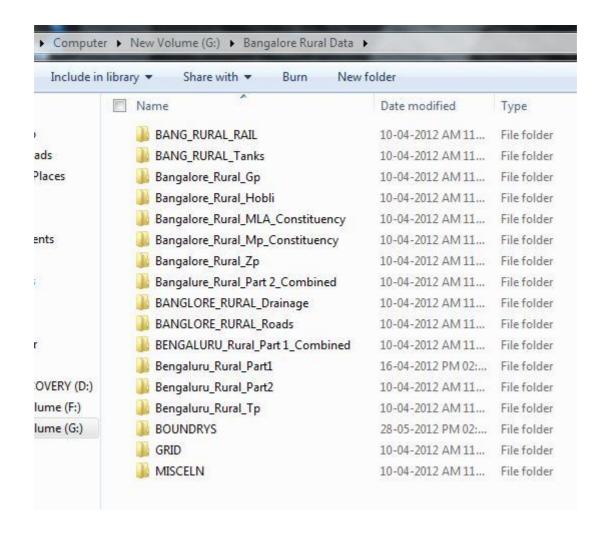


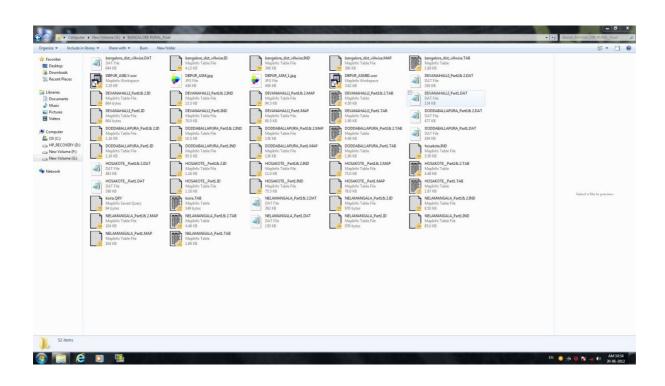


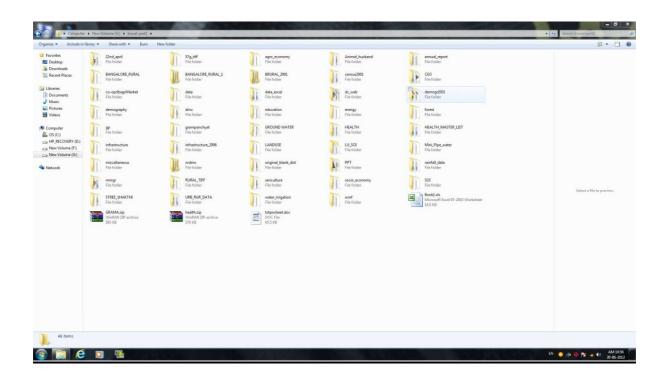
# BENGALURU RURAL DISTRICT WITH GRID AND TOPOSHEET NOS NORTH 57G/3 57G/7 57G/15 Dod Ballapur Devanahalli 57G/4 RAMA MAGARA ON Nelamangala 57G/12 SANGALORE URBAN DISTRICT Hosakote 57H/5 kilometers

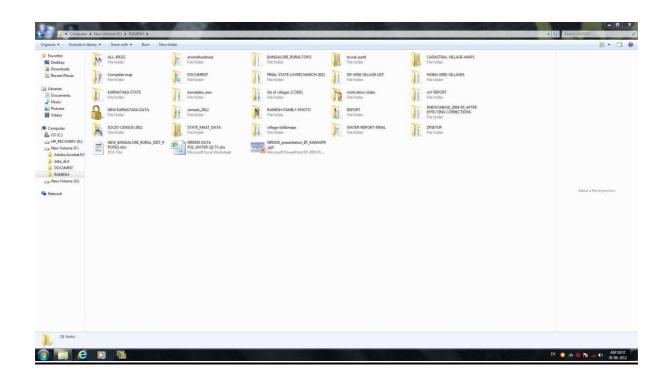
### FILES AND FOLDERS STORED IN F:\DRIVE, G:\DRIVE & ON CD'S

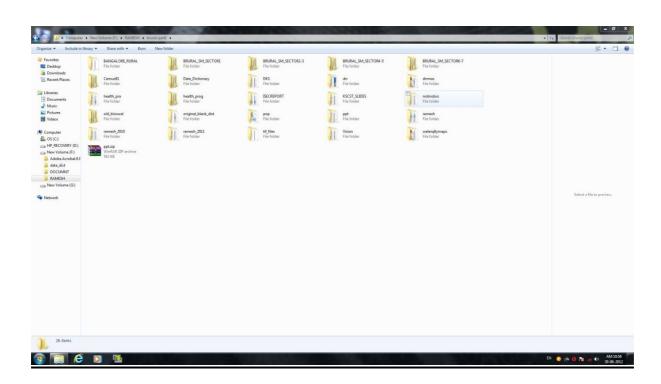


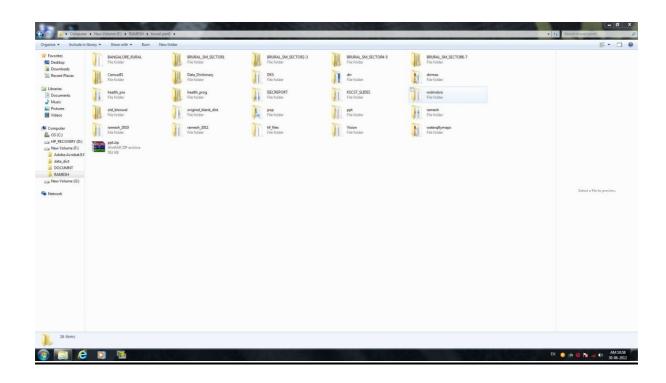








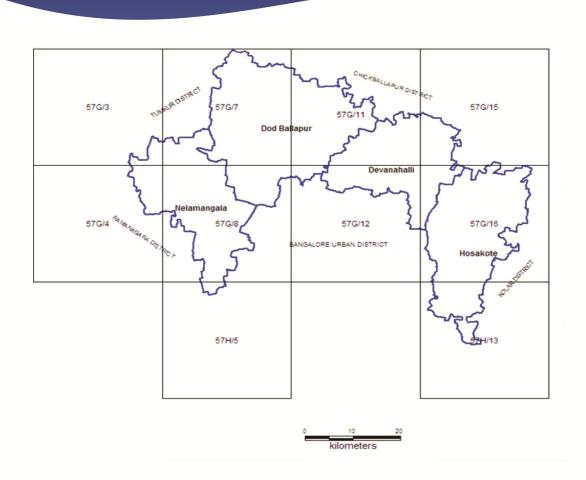




#### **ACKNOWLEDGEMENTS**

- Karnataka State Council for Science and Technology
- Indian Institute of Science
- Indian Space Research Organisation
- Department of Science and Technology GOI & GOK
- Bangalore Rural Zilla Panchayat
- Rural Development and Panchayat raj department
- Central Ground Water Board
- Department of Mines and Geology GOK
- Karnataka State Natural Disaster Monitoring Cell
- Karnataka State Remote Sensing Application Center

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# District NRDMS Center BANGALORE RURAL ZILLA PANCHAYAT, K.G.ROAD, BANGALORE – 560 009