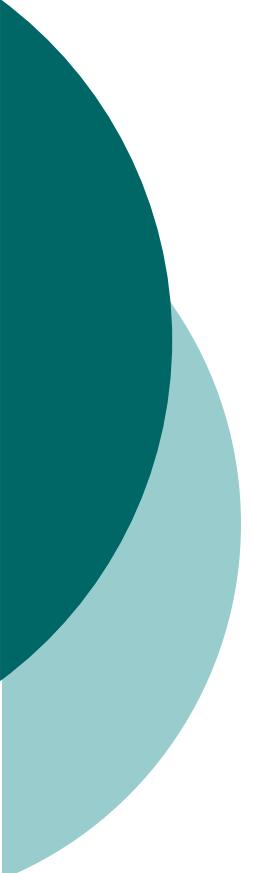




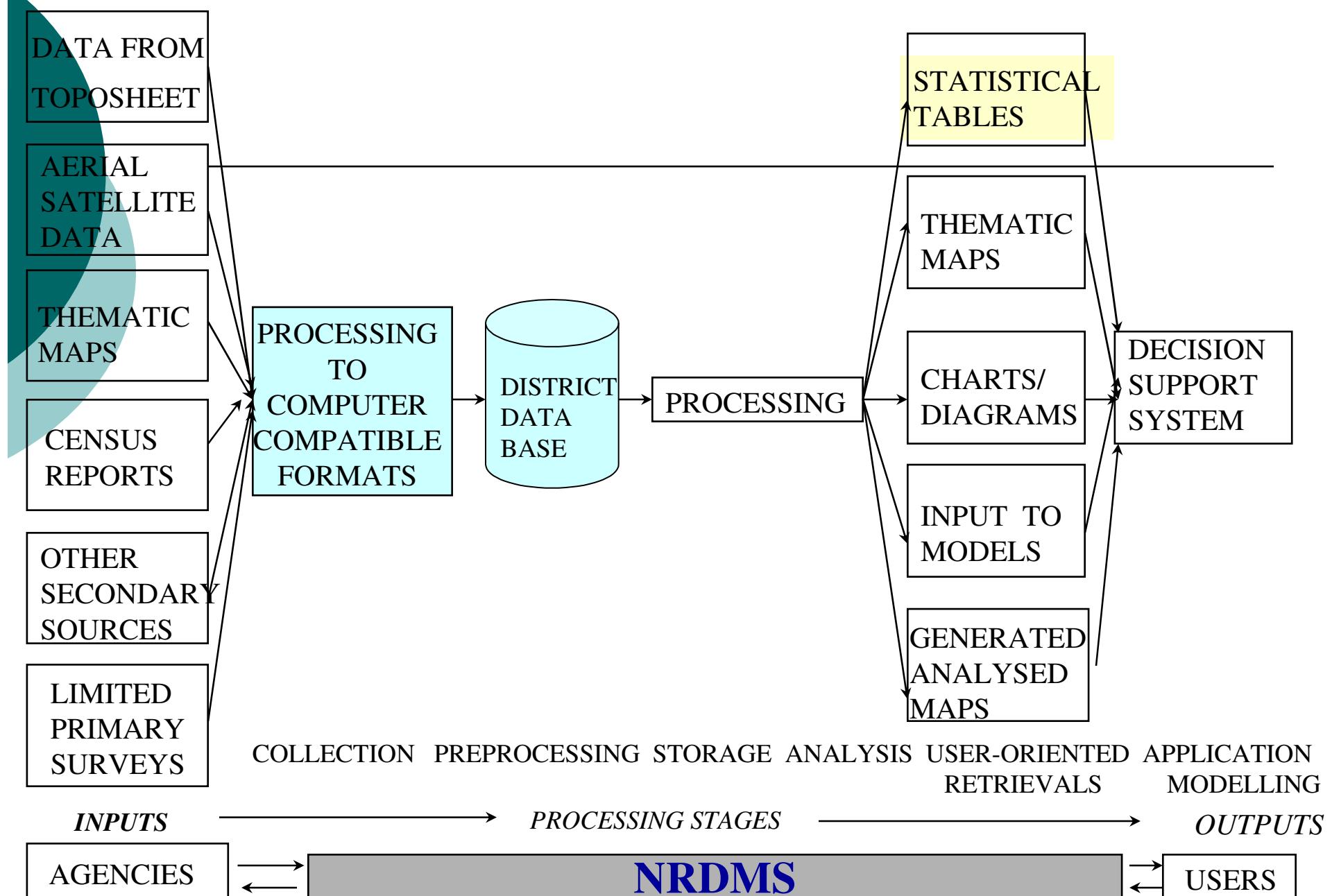
WELCOME



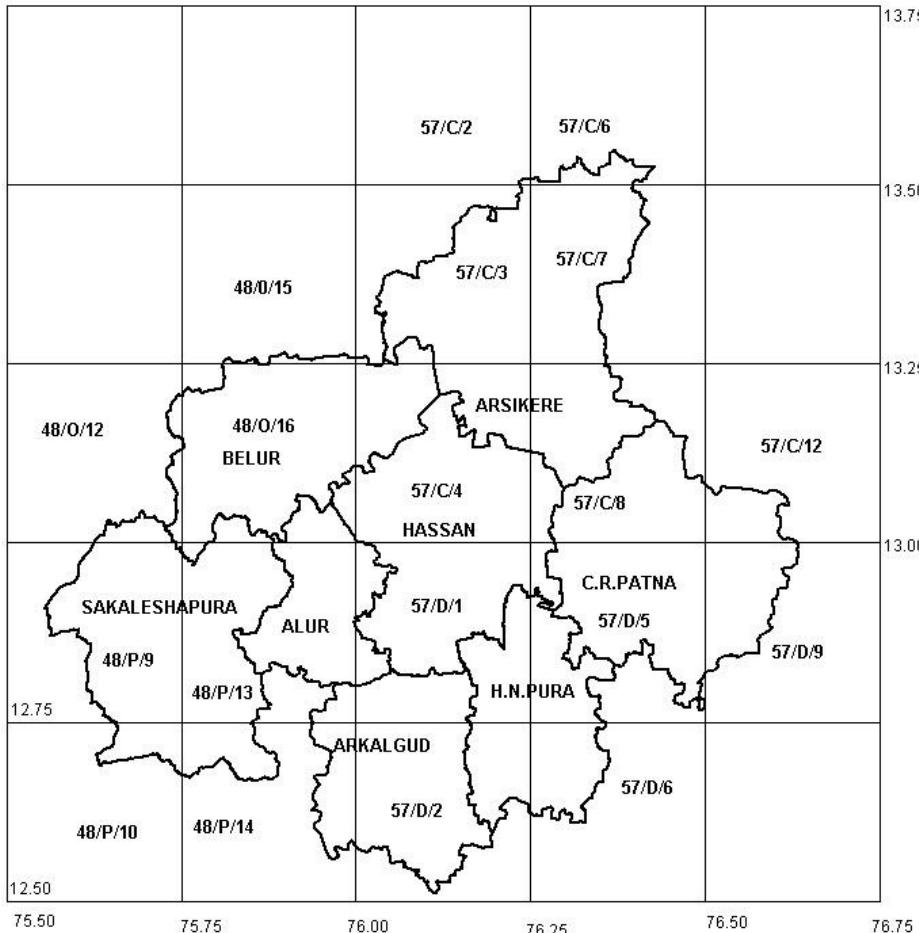
ACTIVITIES OF HASSAN DISTRICT NRDMS CENTRE

**OFFICE OF THE
ZILLA PANCHAYATH, B.M.ROAD,
HASSAN.**

NRDMS: A SYSTEM FOR MICROLEVEL PLANNING

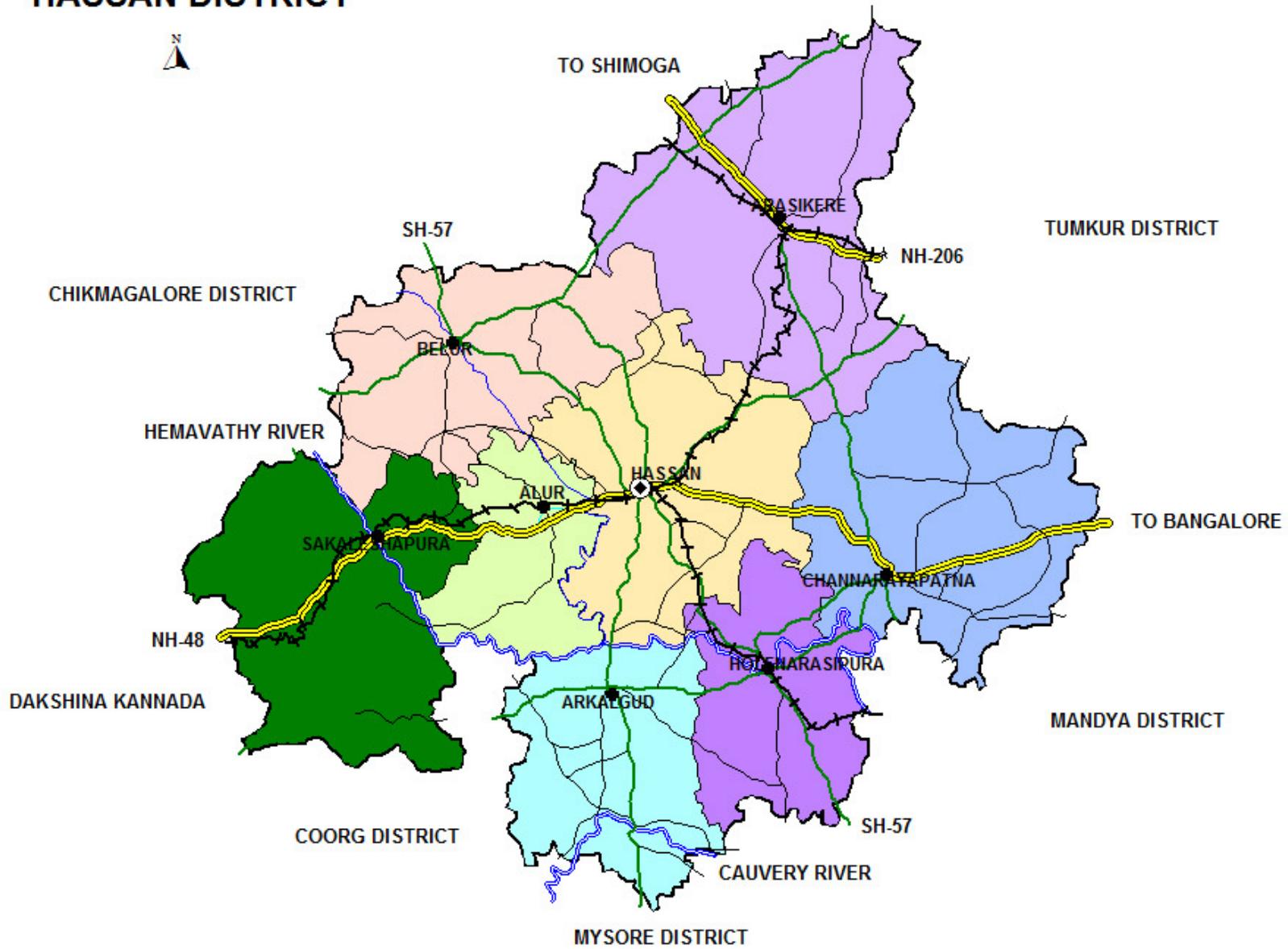


HASSAN DISTRICT



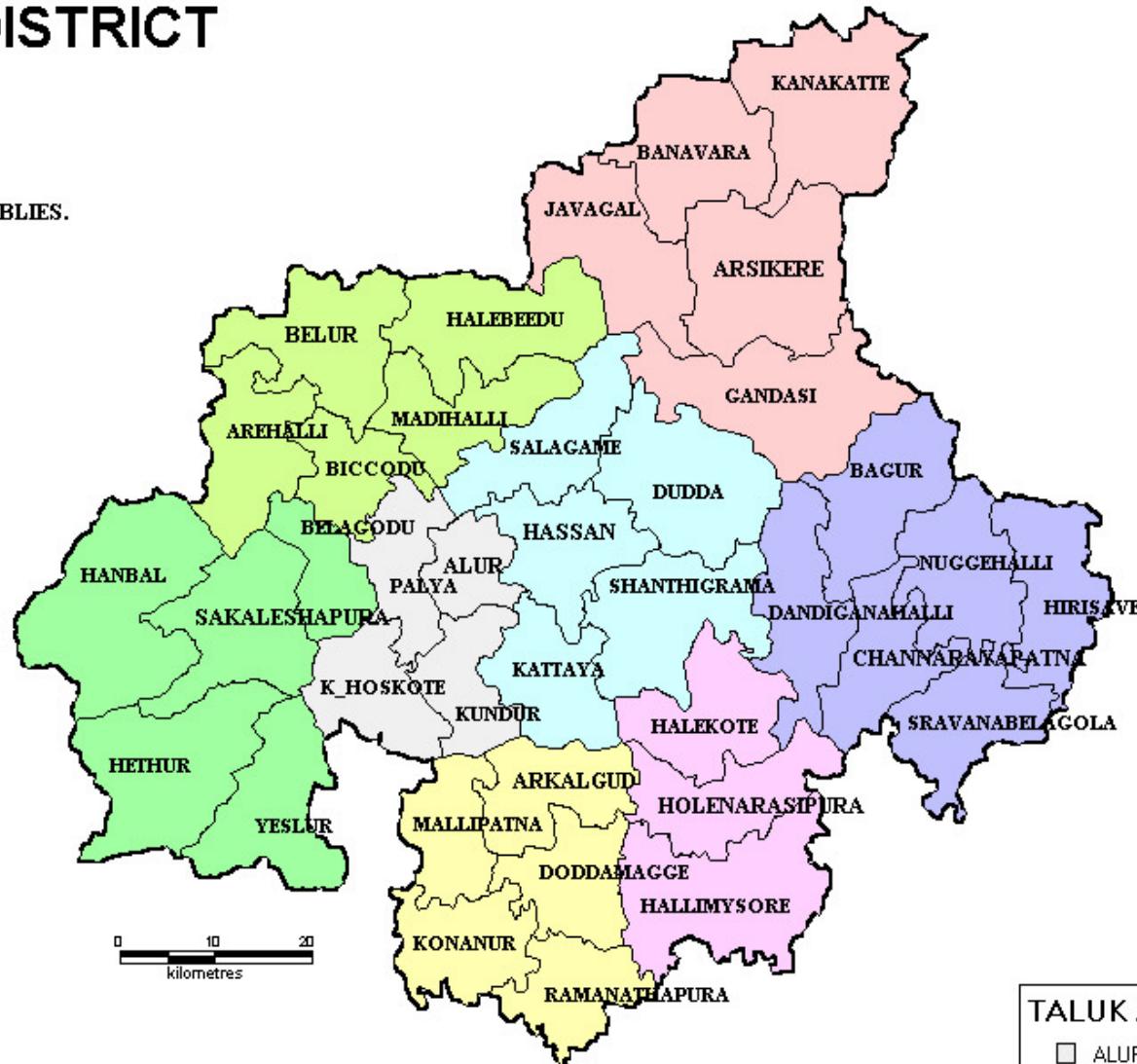
PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

HASSAN DISTRICT



HASSAN DISTRICT

MAP SHOWING HOBLIES.



0 10 20
kilometres

TALUK AND HOBLIES

| | |
|-----------------|-----|
| ALUR | (4) |
| ARKALGUD | (5) |
| ARSIKERE | (5) |
| BELUR | (5) |
| CHANNARAYAPATNA | (6) |
| HASSAN | (5) |
| HOLENARASIPURA | (3) |
| SAKALESHAPURA | (5) |

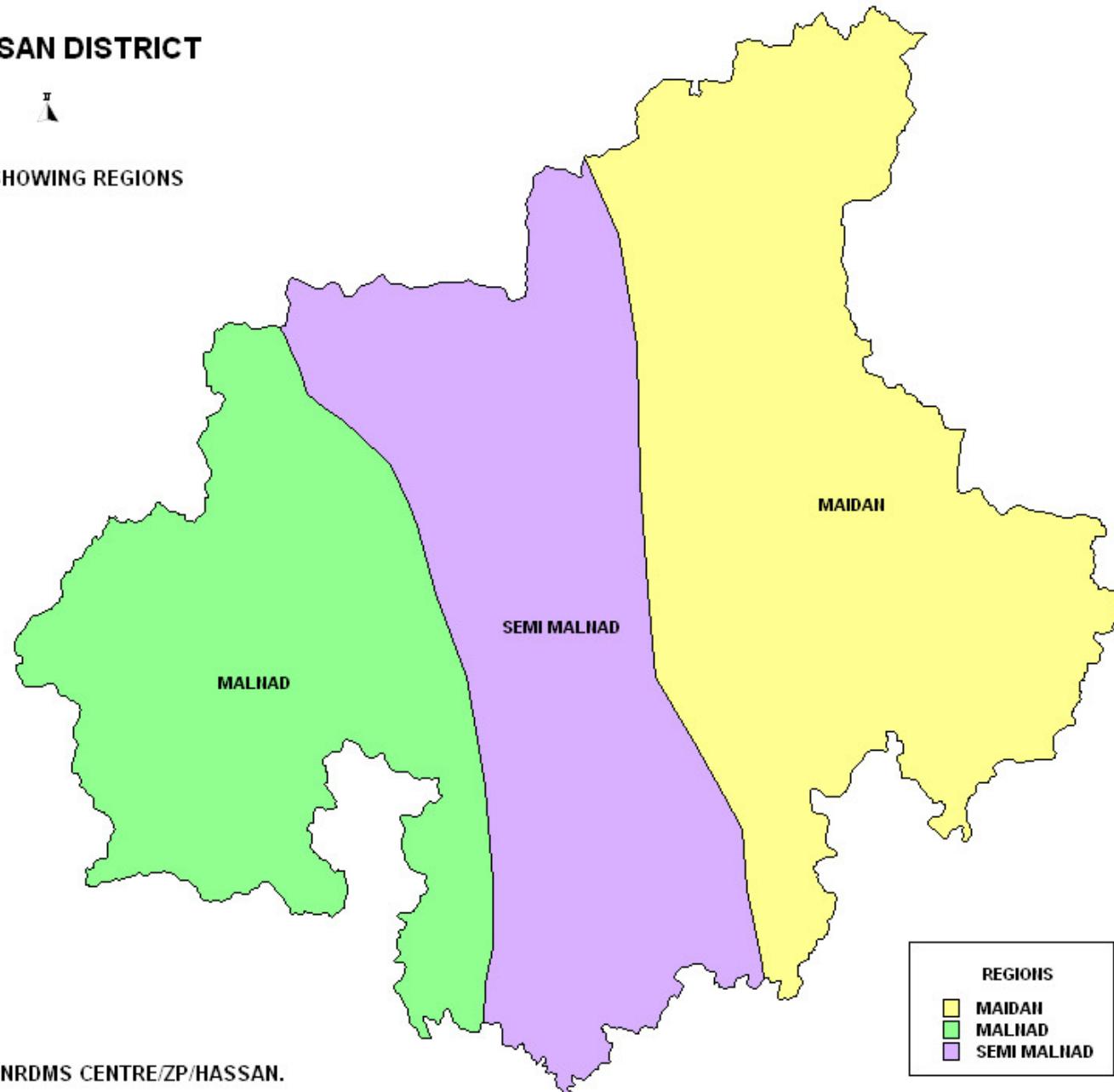
PREPARED AT :

NRDMS CENTRE/KSCST/HASSAN.

HASSAN DISTRICT



MAP SHOWING REGIONS



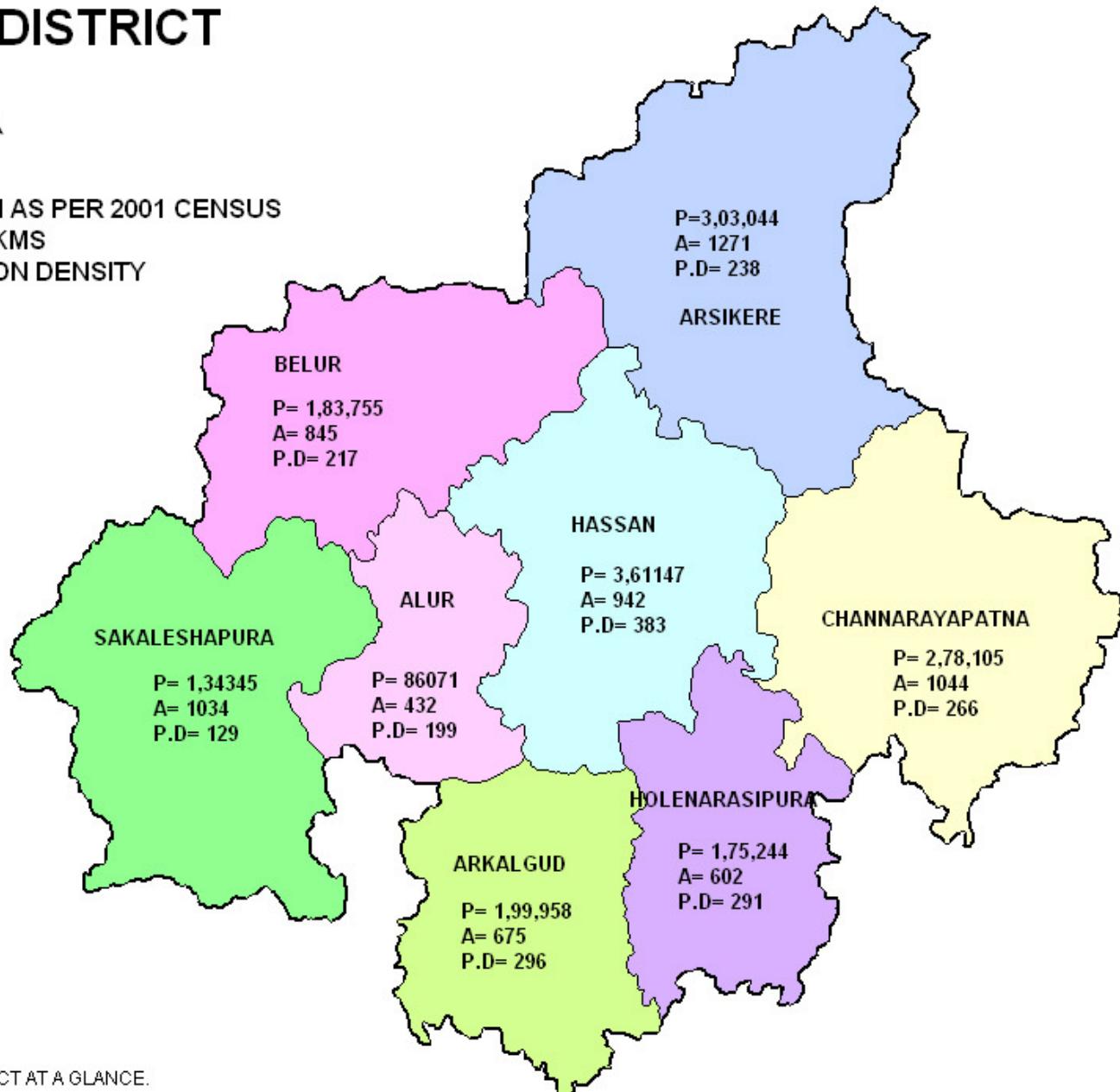
HASSAN DISTRICT



P= POPULATION AS PER 2001 CENSUS

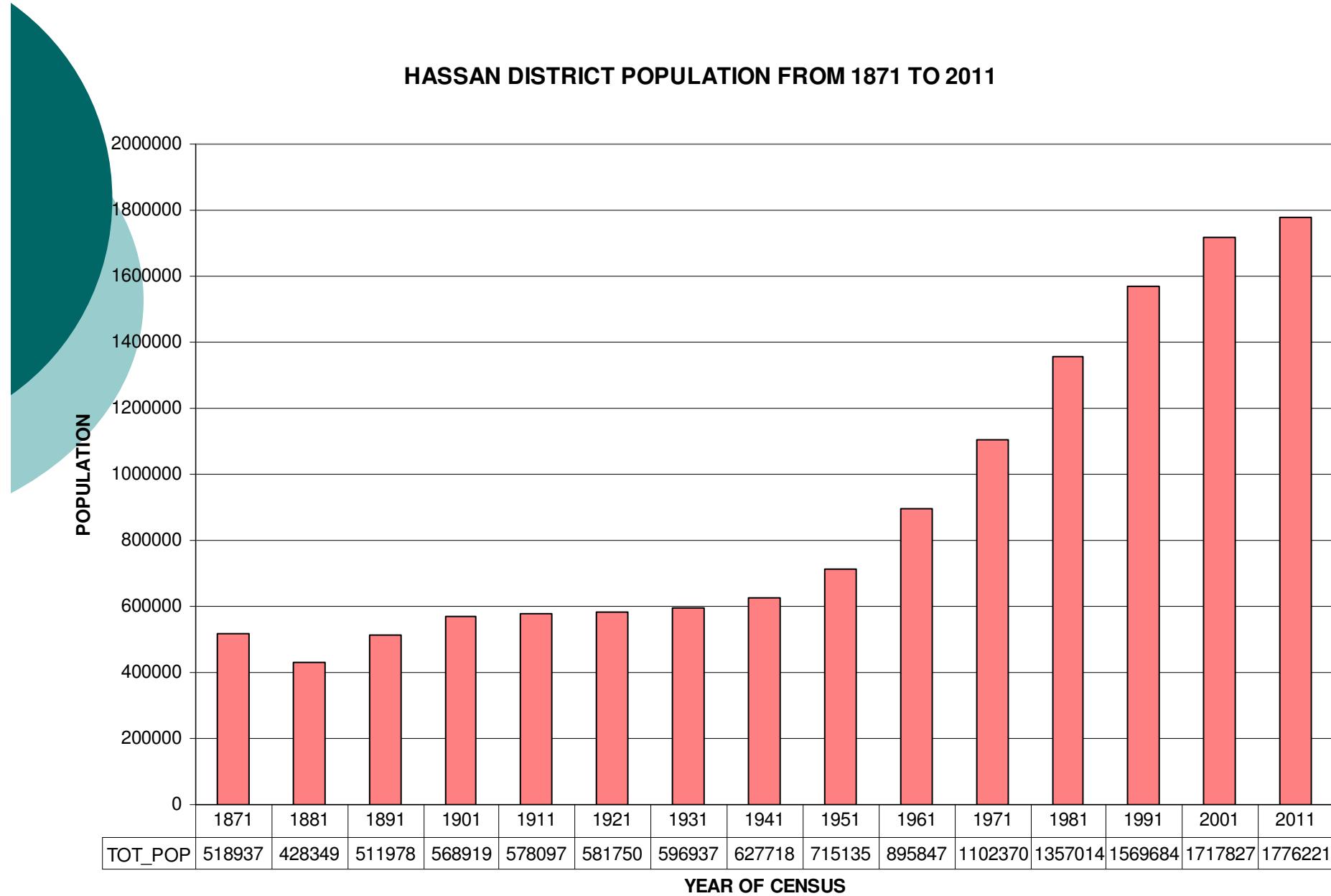
A= AREA IN SQ.KMS

P.D= POPULATION DENSITY

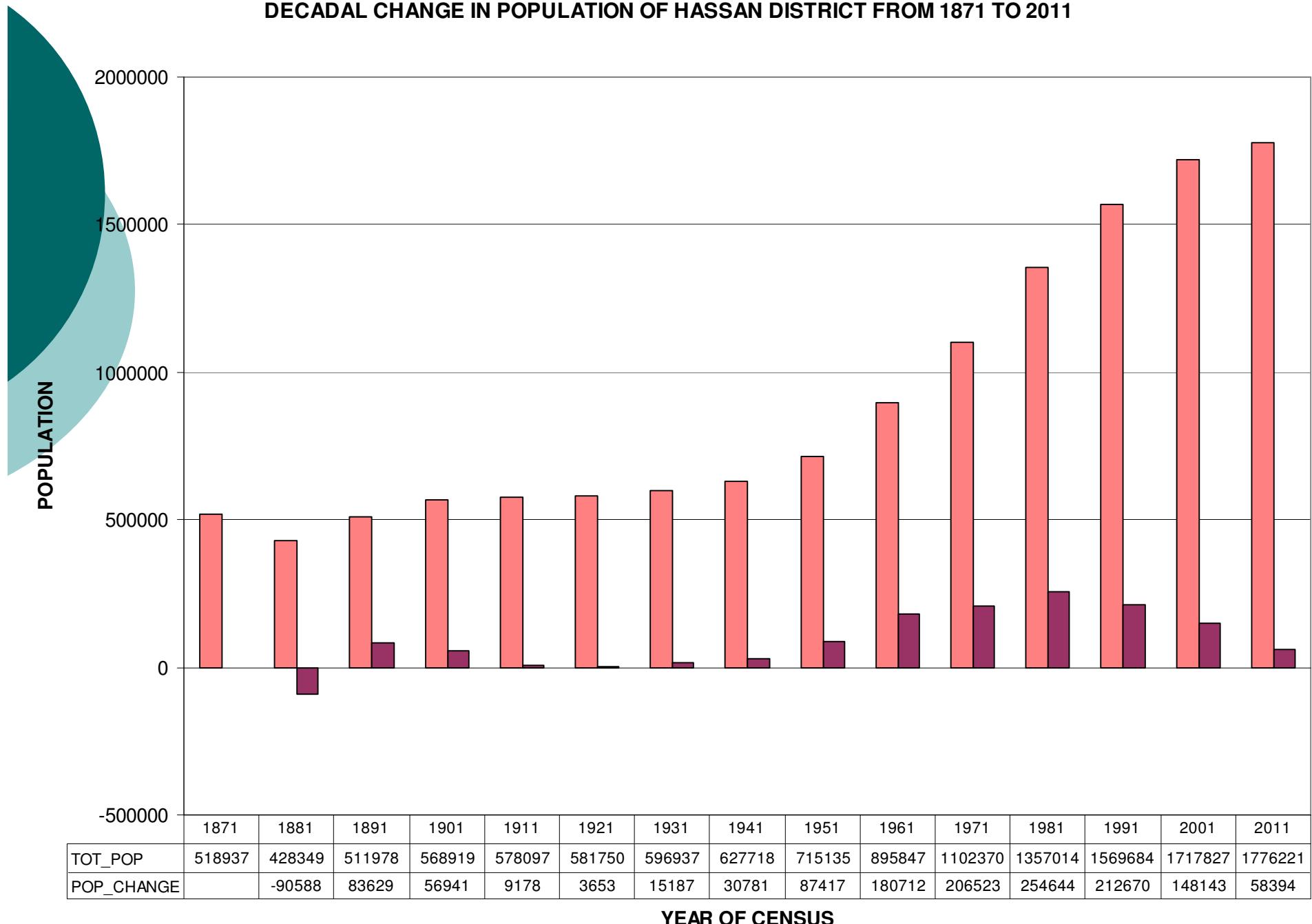


DATA SOURCE : DISTRICT AT A GLANCE.

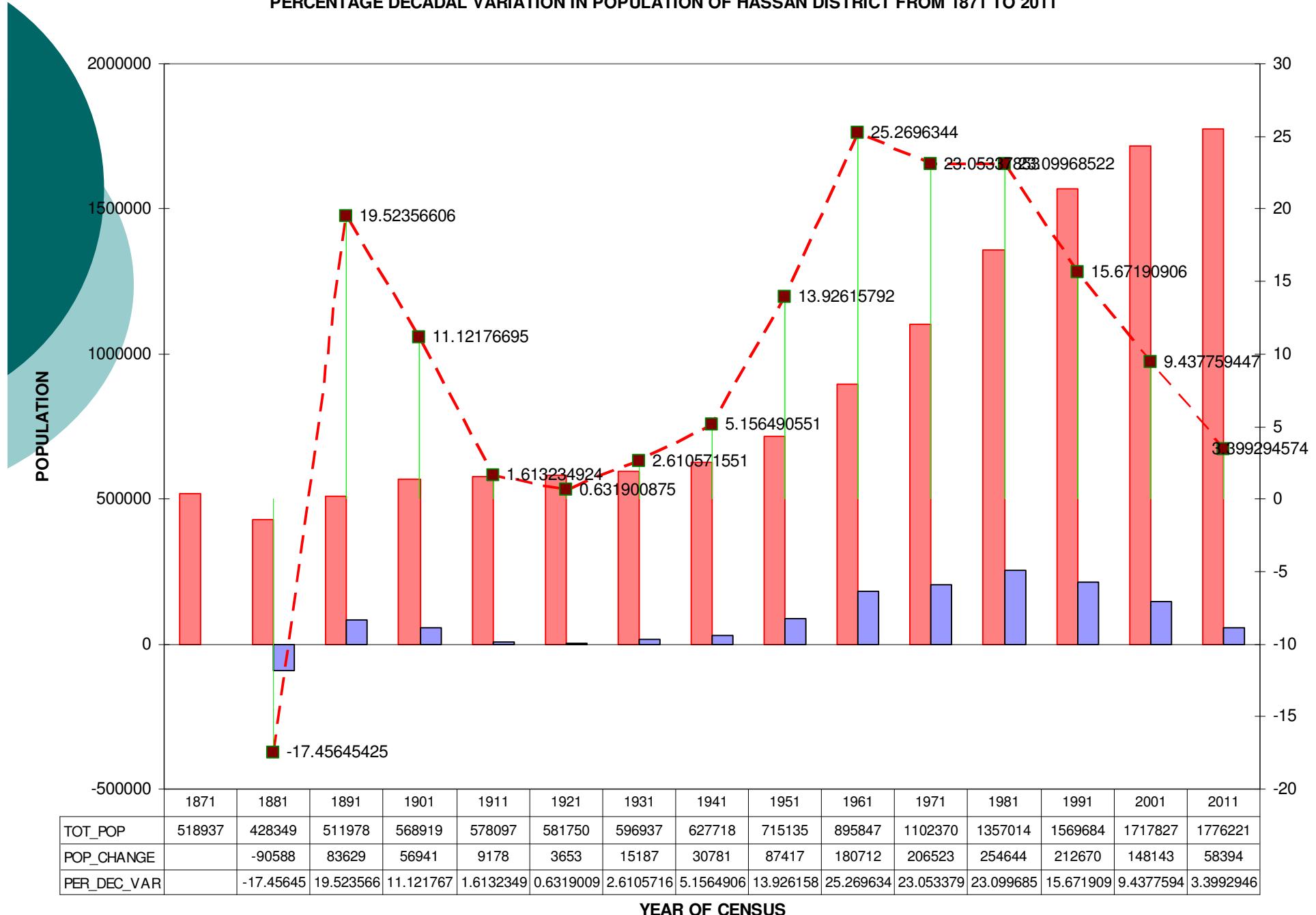
PREPARED AT : NRDMS CENTRE/ZP/HASSAN.



DECadal Change in Population of Hassan District from 1871 to 2011



PERCENTAGE DECADAL VARIATION IN POPULATION OF HASSAN DISTRICT FROM 1871 TO 2011





PERCENTAGE DECADAL VARIATION IN POPULATION

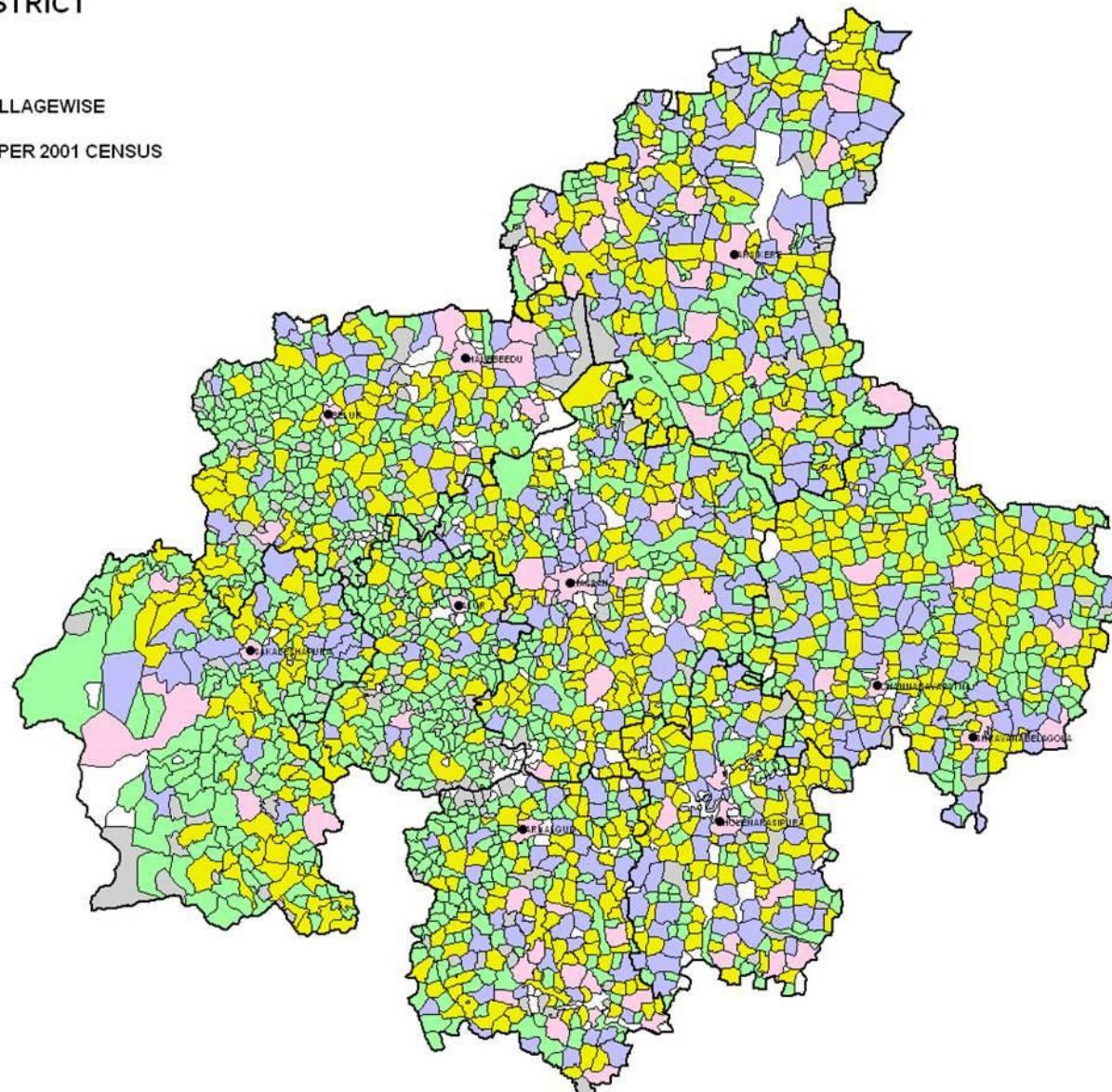
- $\text{PDV} = (\text{DECADAL POPULATION DIFFERENCE}/\text{PREVIOUS CENSUS POPULATION}) * 100$
- POPULATION OF 2001 CENSUS = 17,17,827
- POPULATION OF 1991 CENSUS = 15,69,684
- DECADAL POPULATION DIFFERENCE = 1,48,143
- PDV BETWEEN 1991 AND 2001
POPULATION = $(148143/1569684) * 100$
- $\text{PDV} = (0.094377594) * 100 = 9.43$

HASSAN DISTRICT



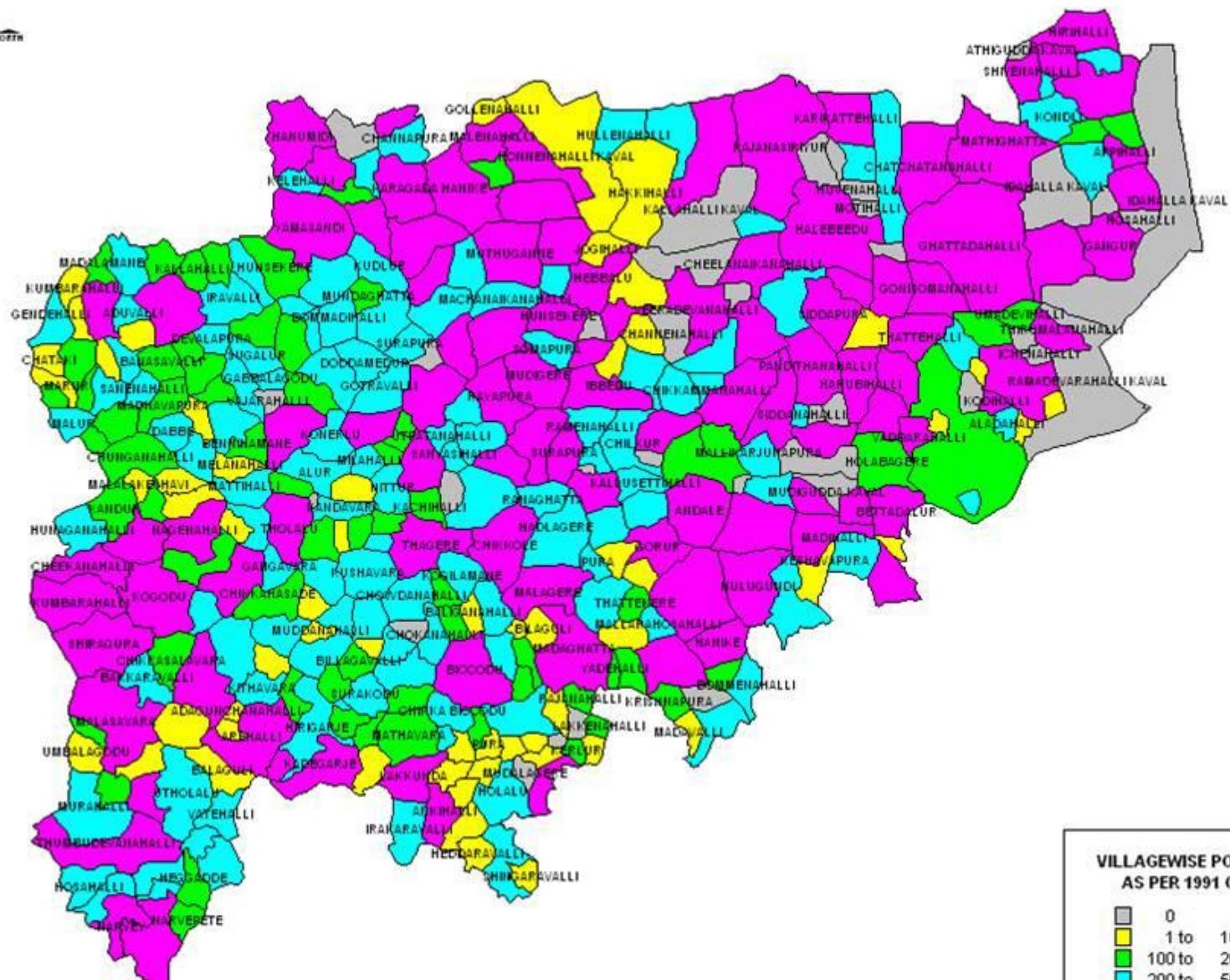
MAP SHOWING VILLAGEWISE

POPULATION AS PER 2001 CENSUS



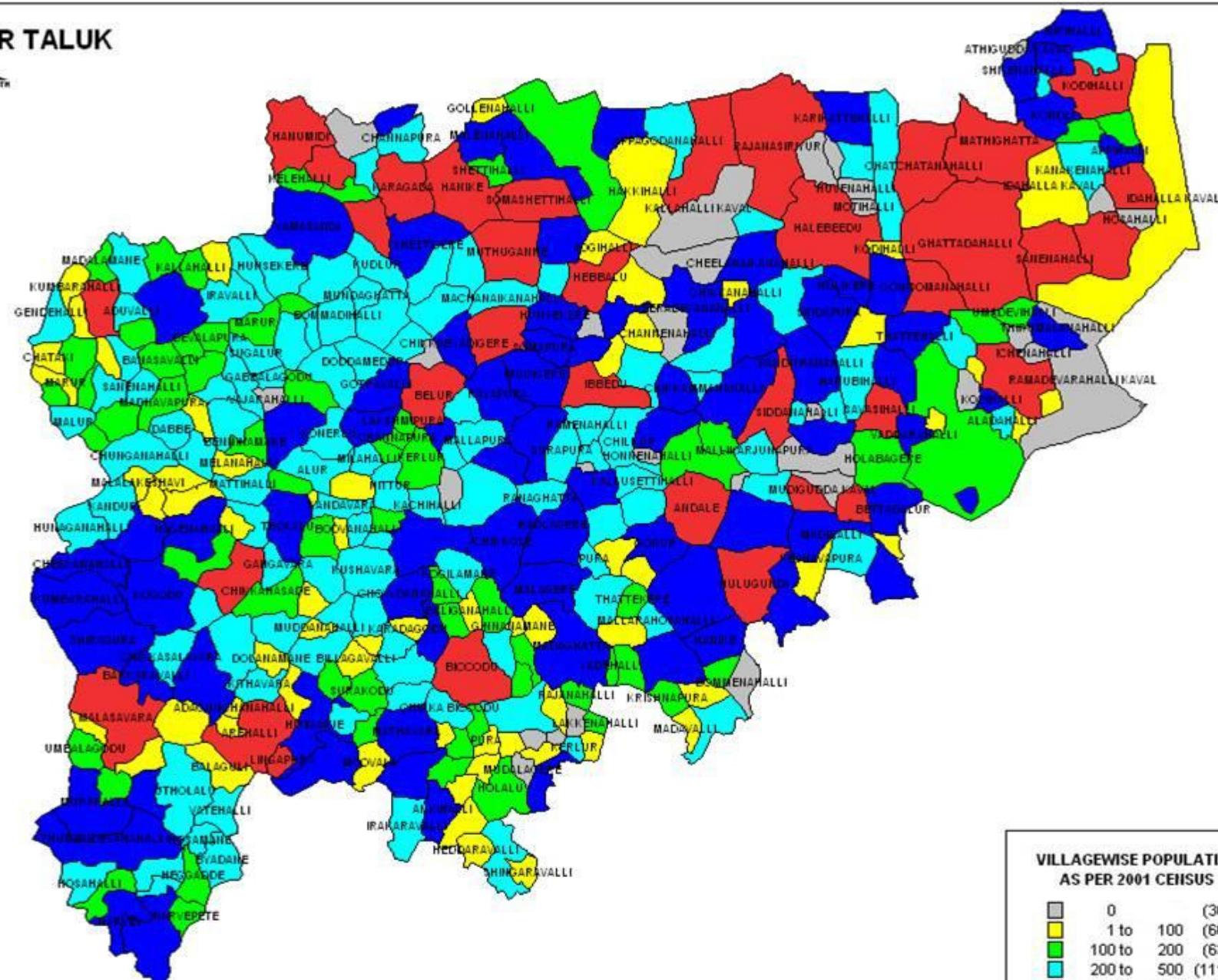
BELUR TALUK

NORTH



BELUR TALUK

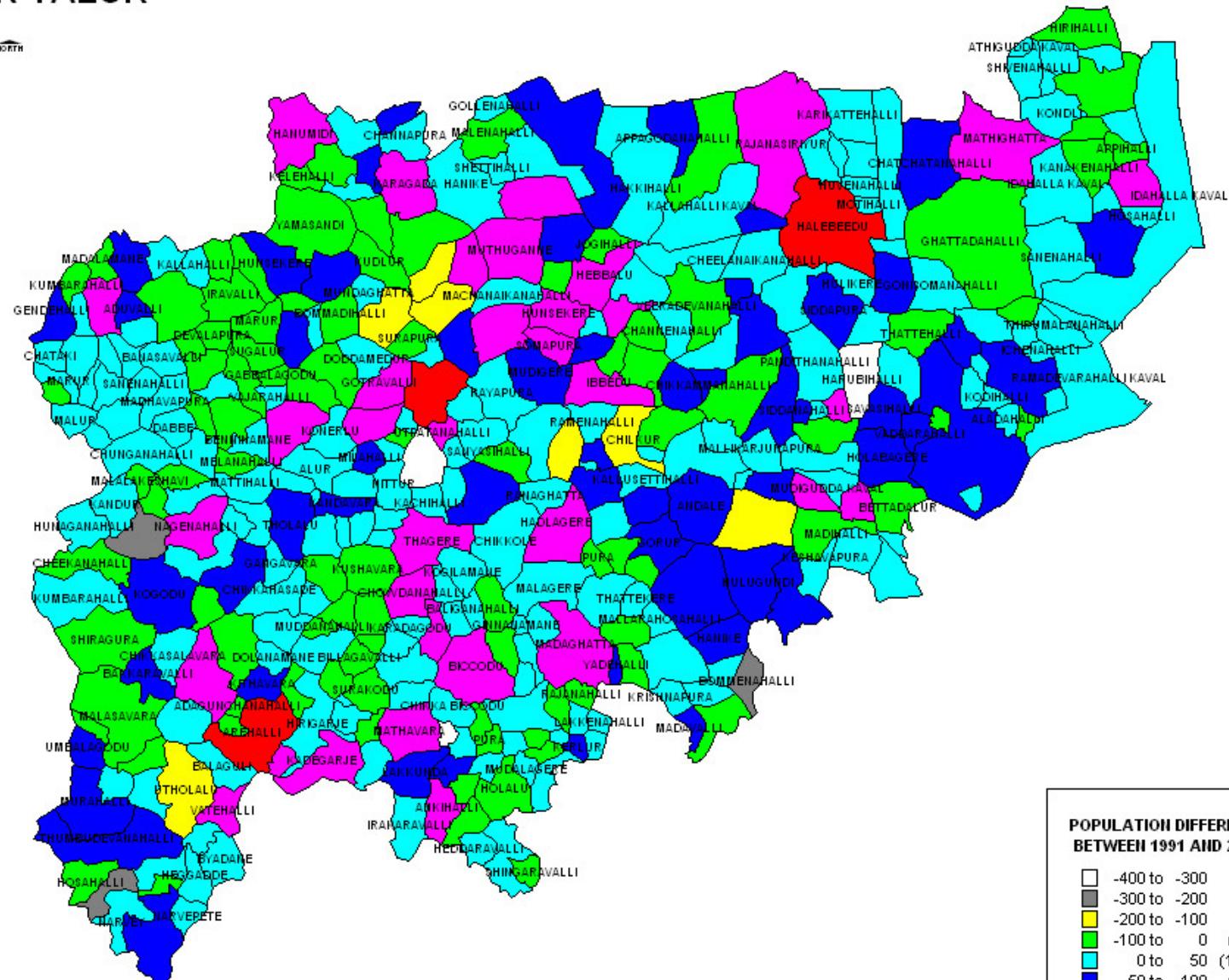
NORTH



PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

BELUR TALUK

NORTH

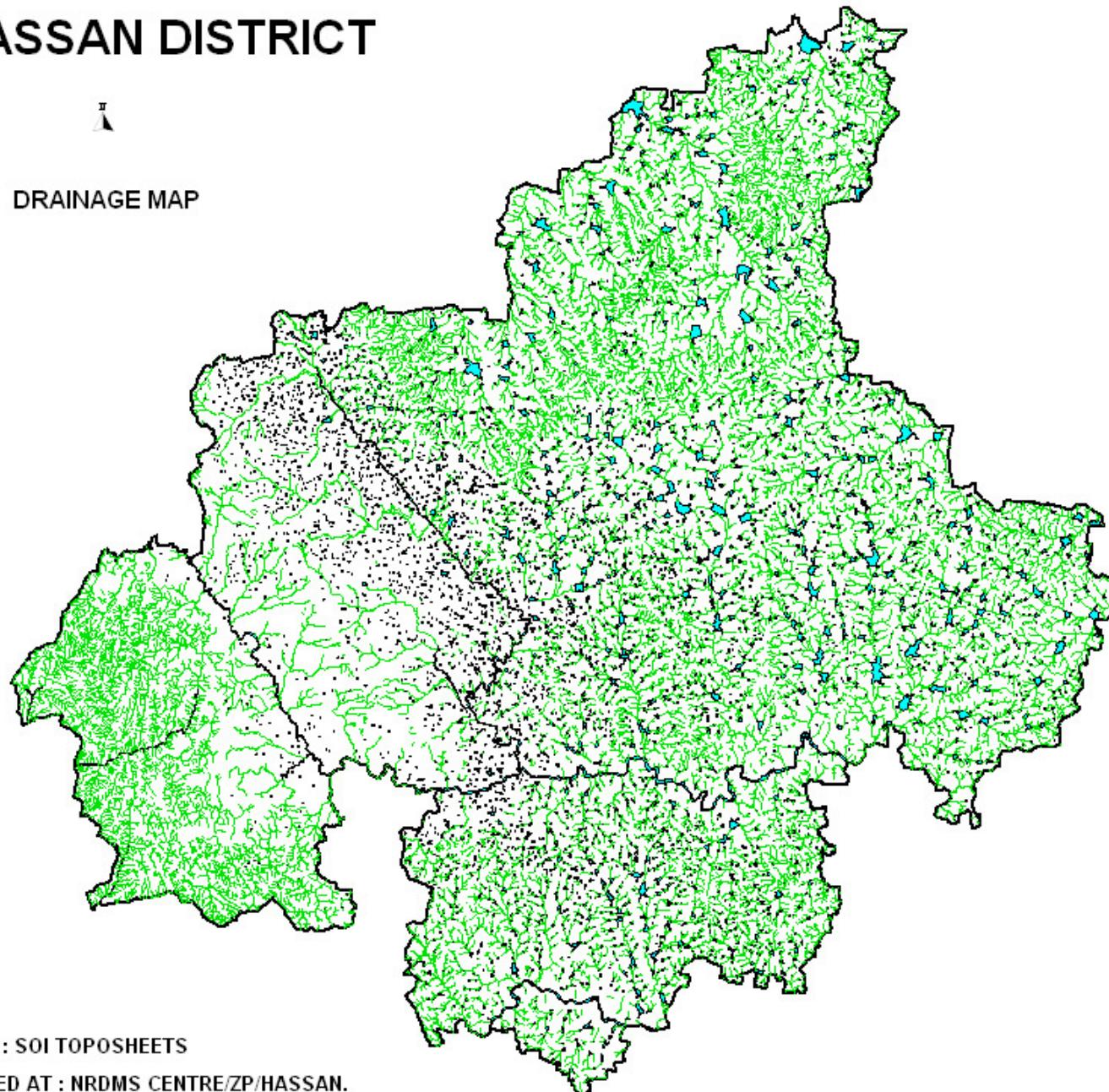


PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

HASSAN DISTRICT



DRAINAGE MAP



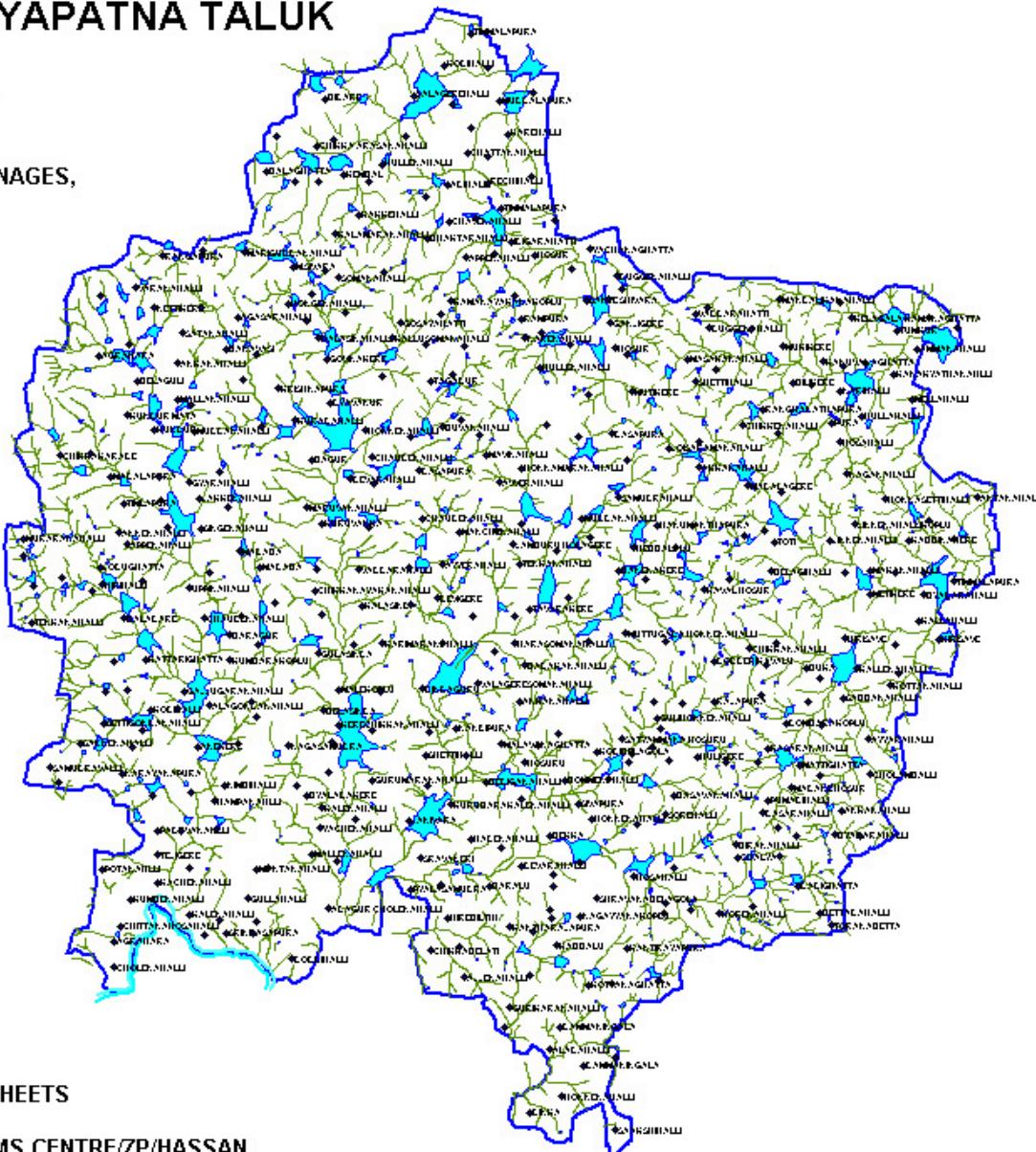
SOURCE : SOI TOPOSHEETS

PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

CHANNARAYAPATNA TALUK



MAP SHOWING DRAINAGES,
RIVER AND TANKS.



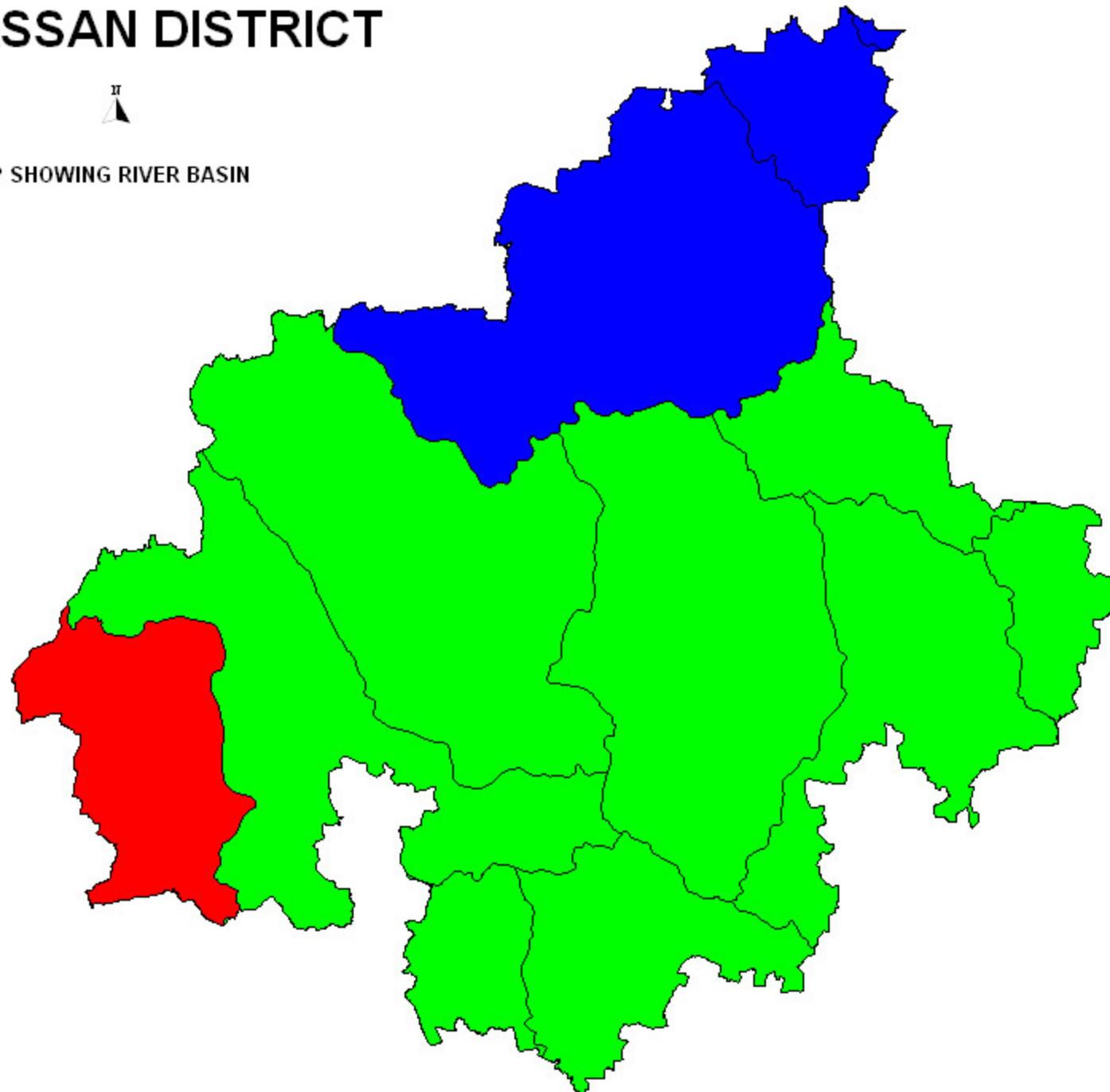
SOURCE: SOI TOPOSHEETS

PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

HASSAN DISTRICT



MAP SHOWING RIVER BASIN

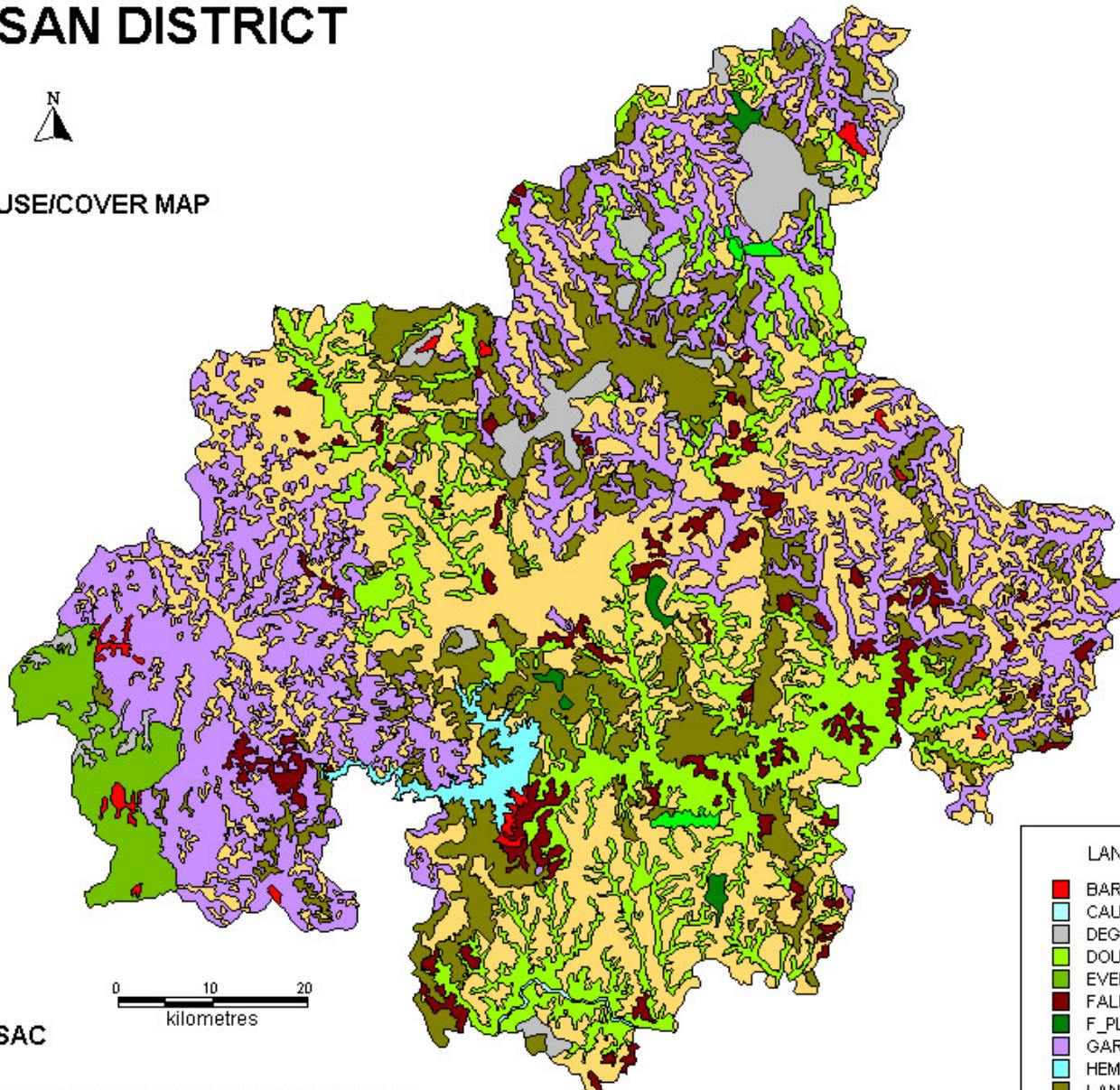


| BASIN |
|-------------|
| Netharavati |
| Cauvery |
| Krishna |

HASSAN DISTRICT



LAND USE/COVER MAP



0 10 20
kilometres

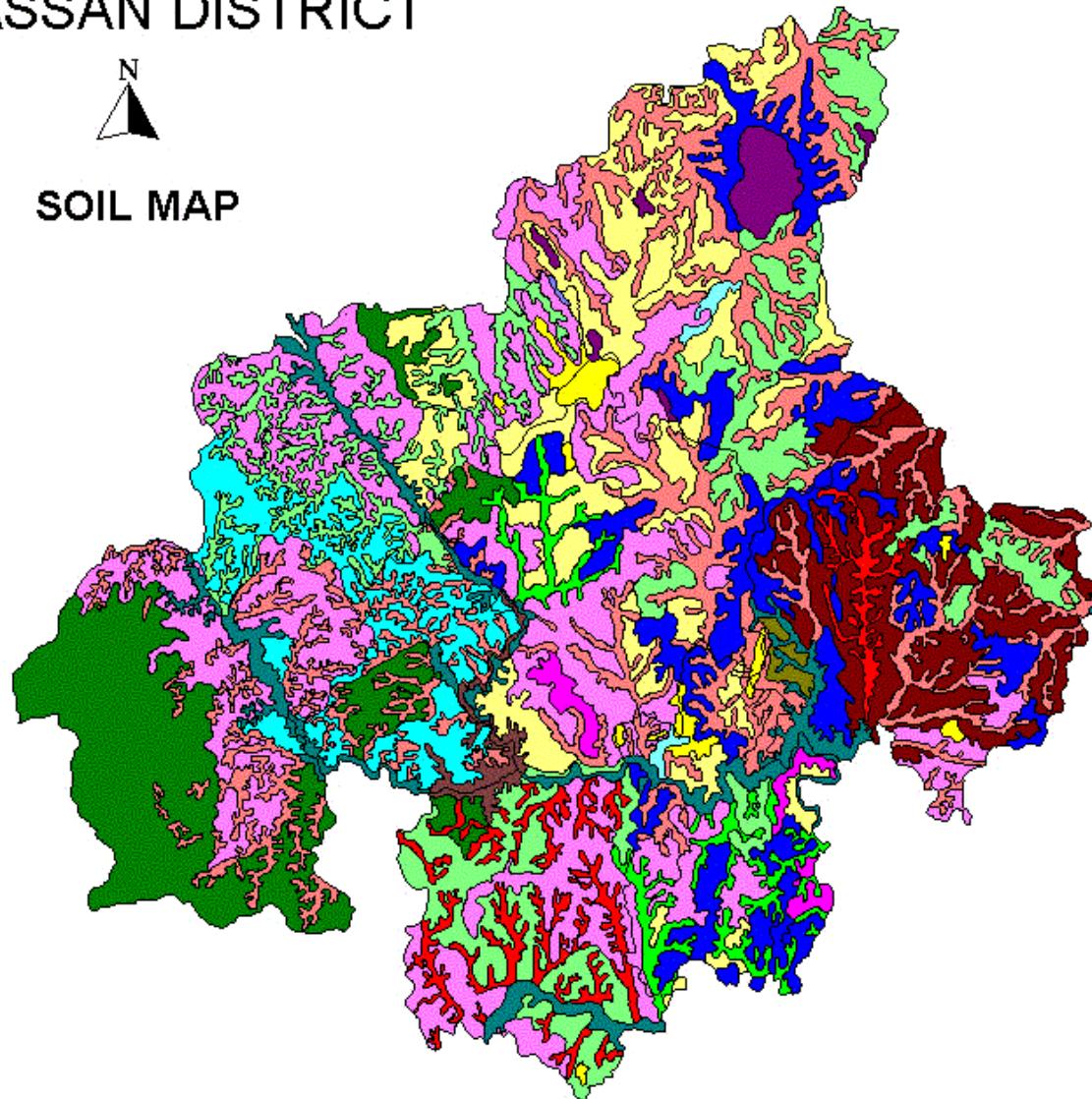
SOURCE: KSAC

PREPARED AT: NRDMS CENTRE/ZP/HASSAN

HASSAN DISTRICT



SOIL MAP



TYPES OF SOIL

- AQUIC USTROPEPT
- FLUVENTIC USTORTHENT
- LITHIC USTORTHENT
- LITHIC USTROPEPT
- MISCELLANEOUS LAND
- OXIC HAPLUSTALF
- OXIC RHODULSTALF
- OXIC USTROPEPT
- ROCK OUTCROPS
- Typic HAPLUSTALF
- Typic USTIFLUVENT
- Typic USTORTHENT
- Typic USTROPEPT
- Typic USTROTHERENT
- UDIC HAPLUSTALF
- UDIC RHODUSTALF
- VERTIC USTROPEPT
- WATER

SOURCE: NBSSLUP

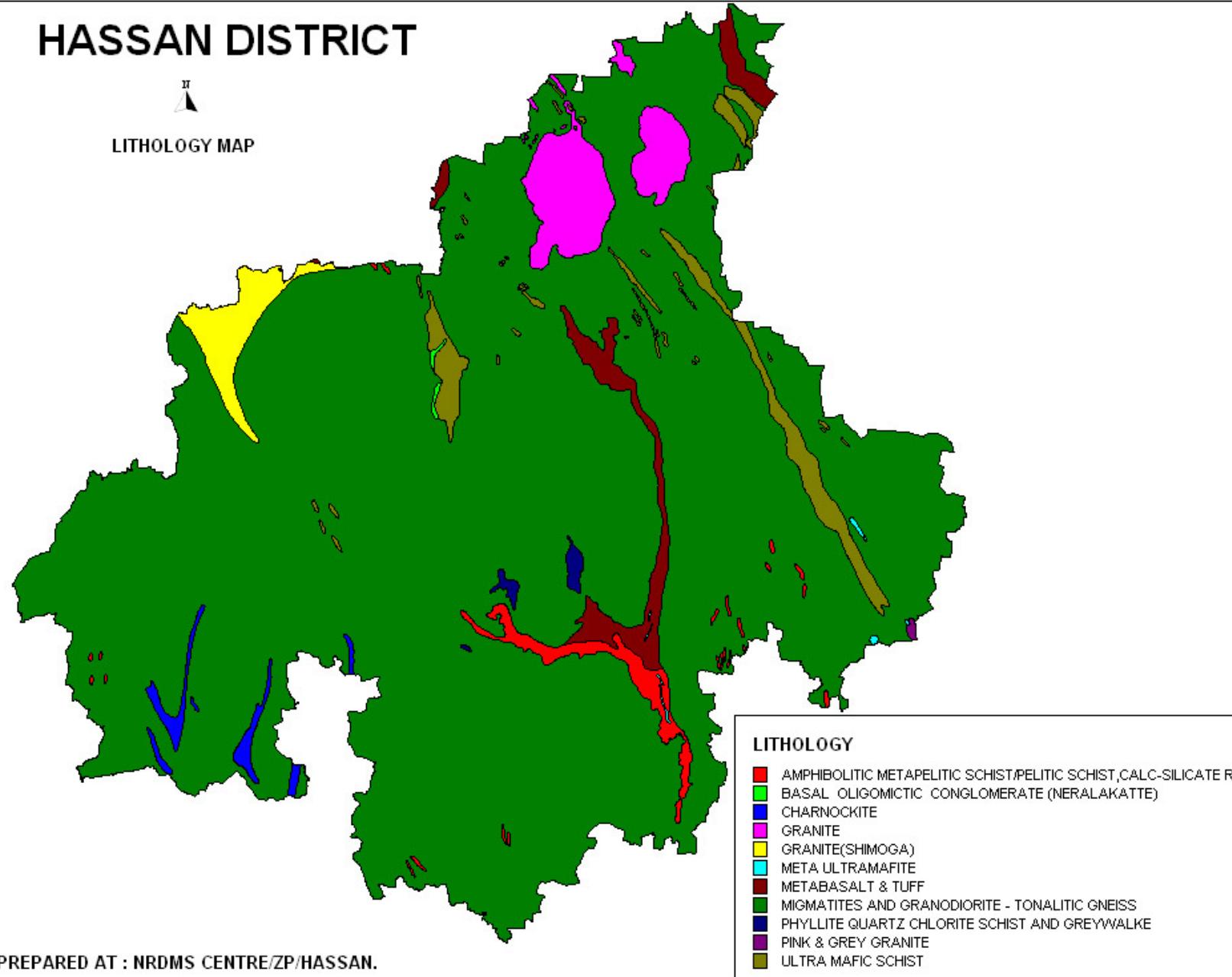
PREPARED AT : NRDMS CENTRE/HASSAN.

0 10 20
Kilometers

HASSAN DISTRICT



LITHOLOGY MAP

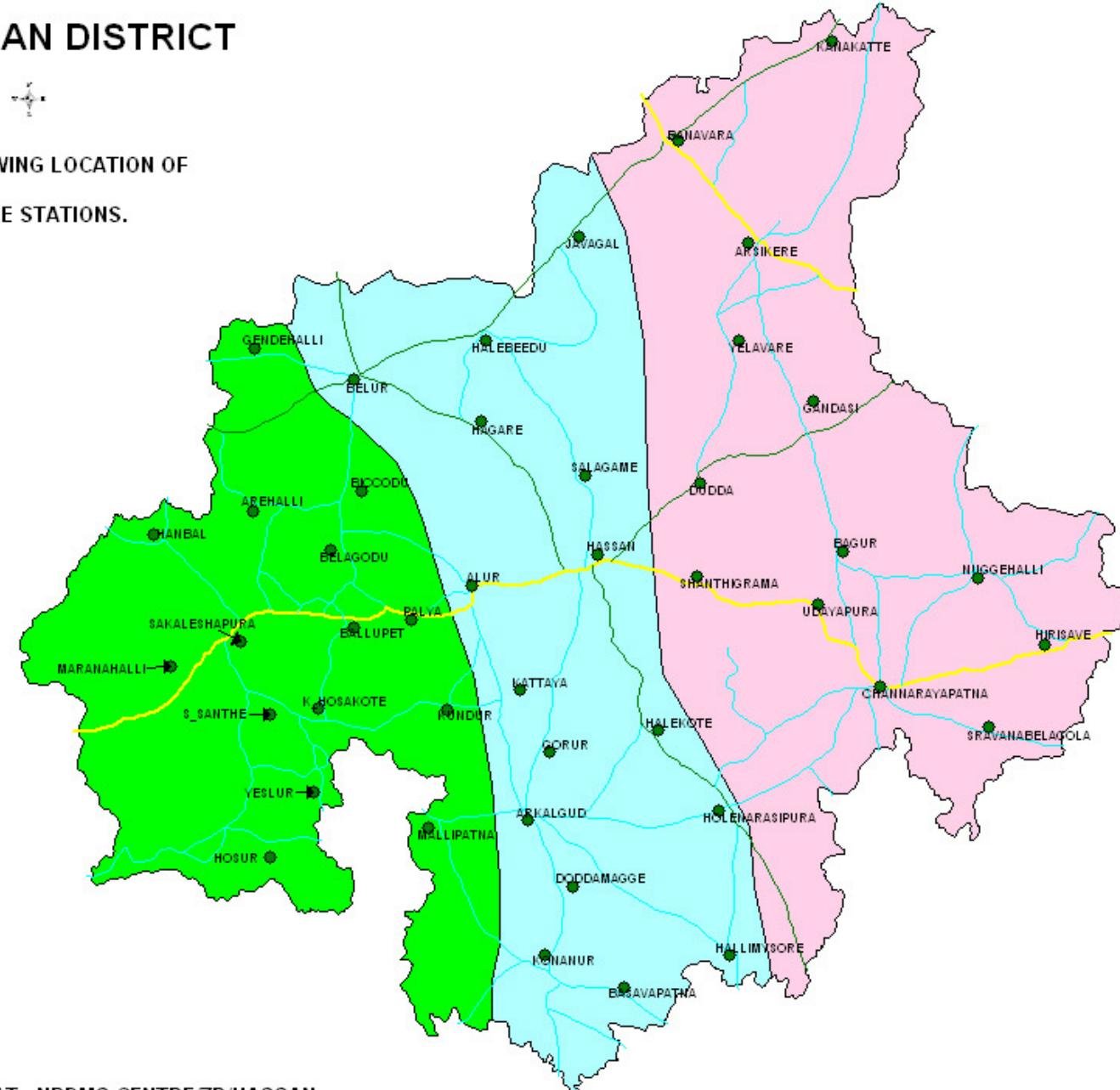


PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

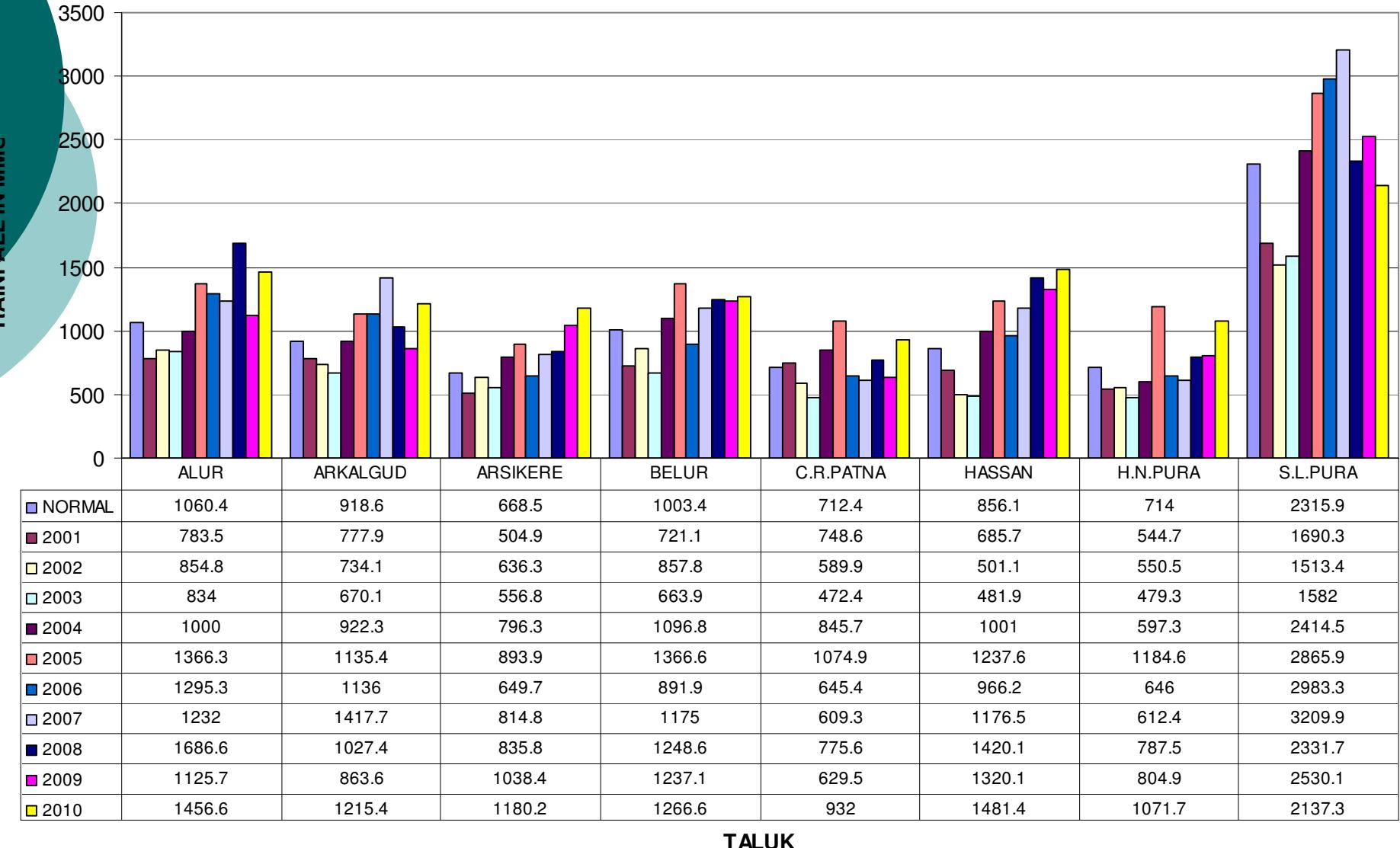
HASSAN DISTRICT



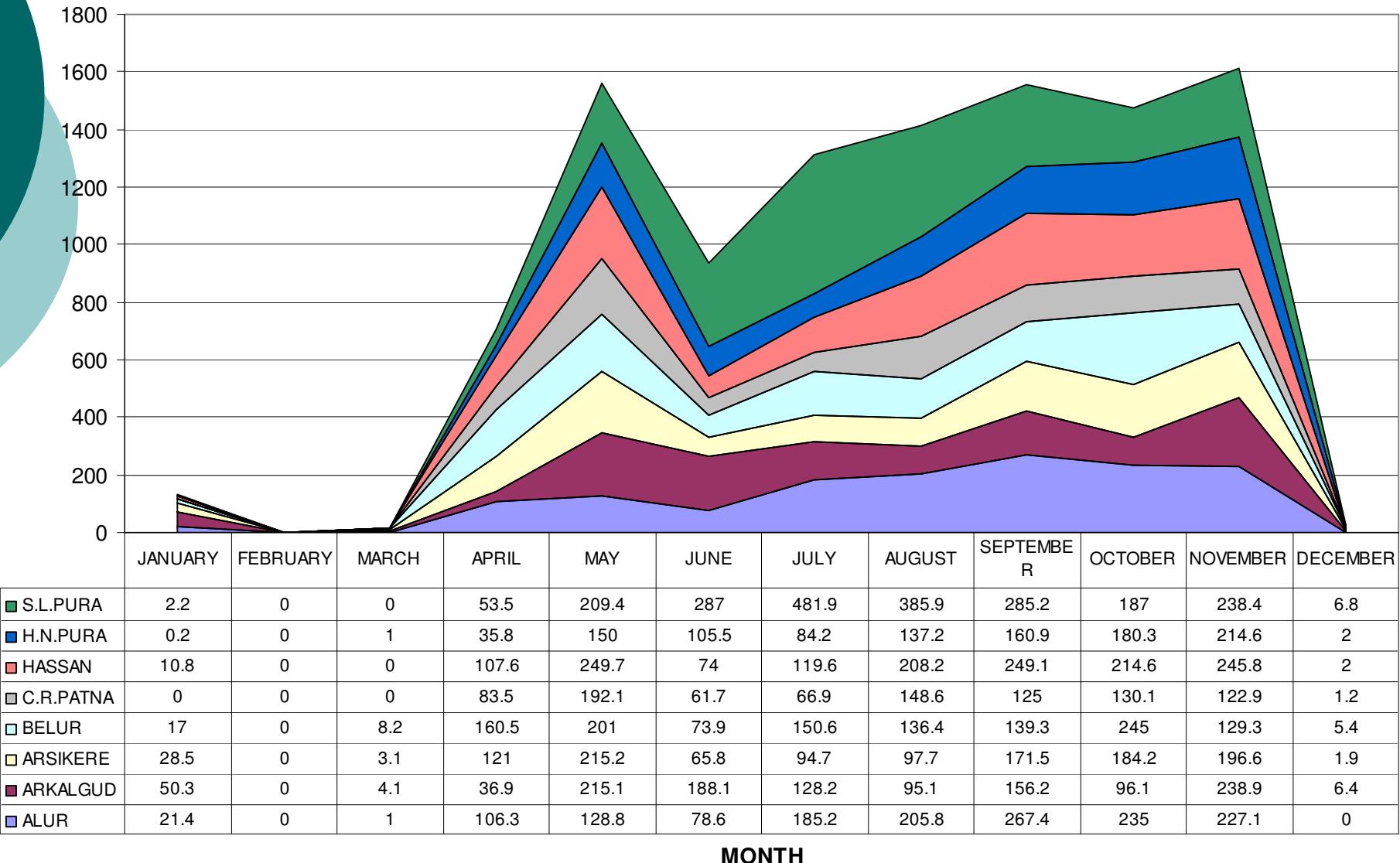
MAP SHOWING LOCATION OF
RAINGAUGE STATIONS.



YEARLY TOTAL RAINFALL IN HASSAN DISTRICT FROM 2001 TO 2010



MONTHLY TOTAL RAINFALL IN HASSAN DISTRICT DURING 2010



TOTAL RAINFALL DURING THE YEAR 2010

| TALUK | NORMAL | ACTUAL | DIFFERENCE | PERCENTAGE | REMARKS |
|----------------|----------------|----------------|---------------|--------------|---------------|
| ALUR | 1060.4 | 1456.6 | 396.2 | 137.36 | EXCESS |
| ARKALGUD | 918.6 | 1215.4 | 296.8 | 132.31 | EXCESS |
| ARSIKERE | 668.5 | 1180.2 | 511.7 | 176.54 | EXCESS |
| BELUR | 1003.5 | 1266.6 | 263.1 | 126.21 | EXCESS |
| CRPATNA | 712.4 | 932.0 | 219.6 | 130.82 | EXCESS |
| HASSAN | 856.1 | 1481.4 | 625.3 | 173.04 | EXCESS |
| HN PURA | 714.0 | 1071.7 | 357.7 | 150.09 | EXCESS |
| SKLPURA | 2315.9 | 2137.3 | -178.6 | 92.29 | NORMAL |
| TOTAL | 8249.4 | 10741.2 | 2491.8 | 130.2 | EXCESS |
| AVERAGE | 1031.17 | 1342.65 | 311.47 | 130.2 | EXCESS |



RAINFALL STATUS

VERY_EXCESS: MORE THAN 100 % OF NORMAL RAINFALL.

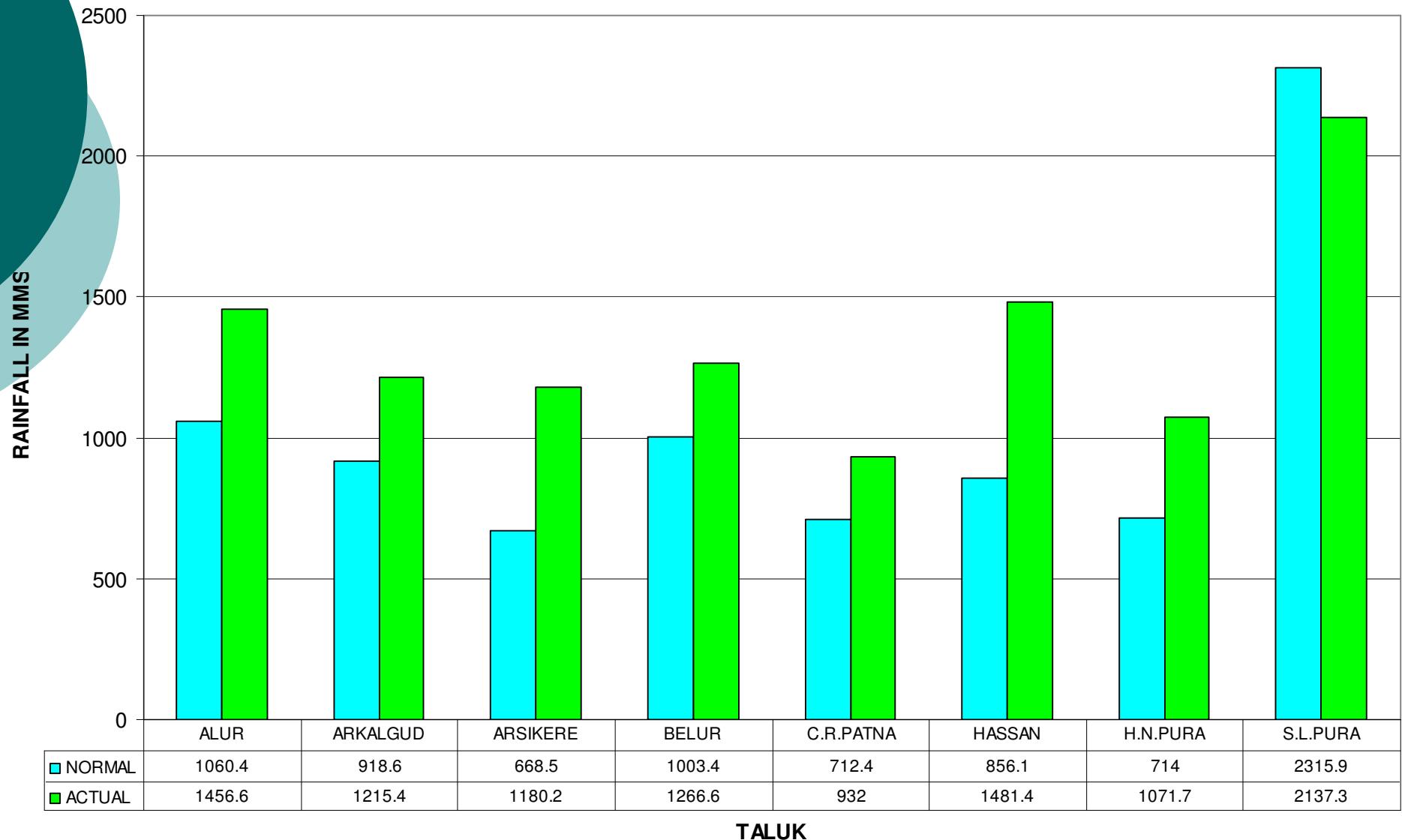
EXCESS : MORE THAN 20 % OF NORMAL RAINFALL .

NORMAL : -19 % TO + 19 % OF NORMAL RAINFALL .

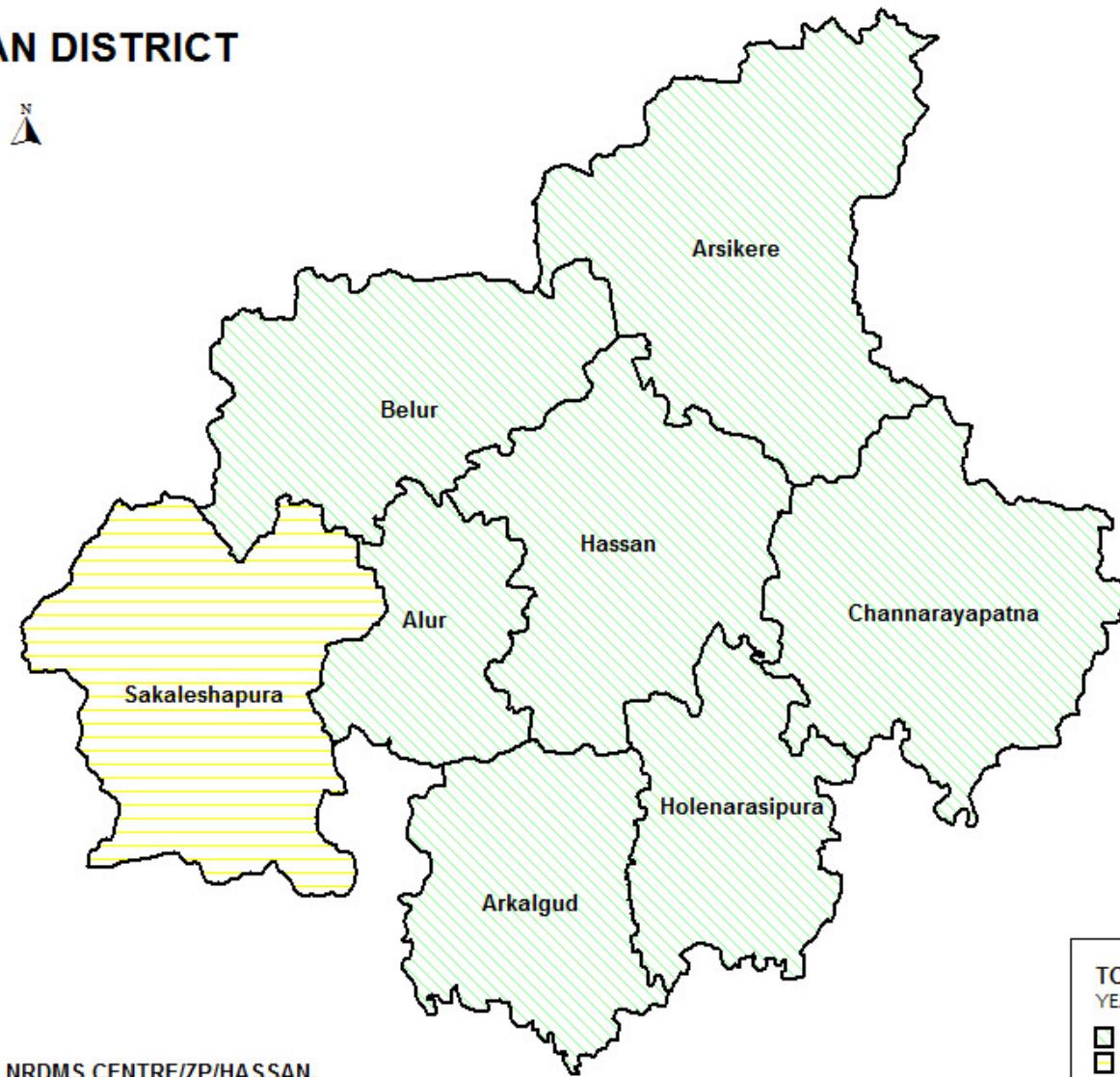
DEFICIT : -20 % TO -59 % OF NORMAL RAINFALL .

SCANTY : -60 % TO -99 % OF NORMAL RAINFALL .

YEARLY TOTAL RAINFALL IN HASSAN DISTRICT DURING THE YEAR:2010



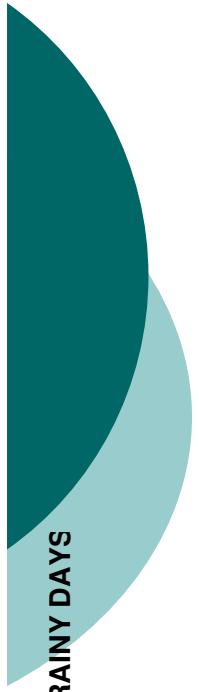
HASSAN DISTRICT



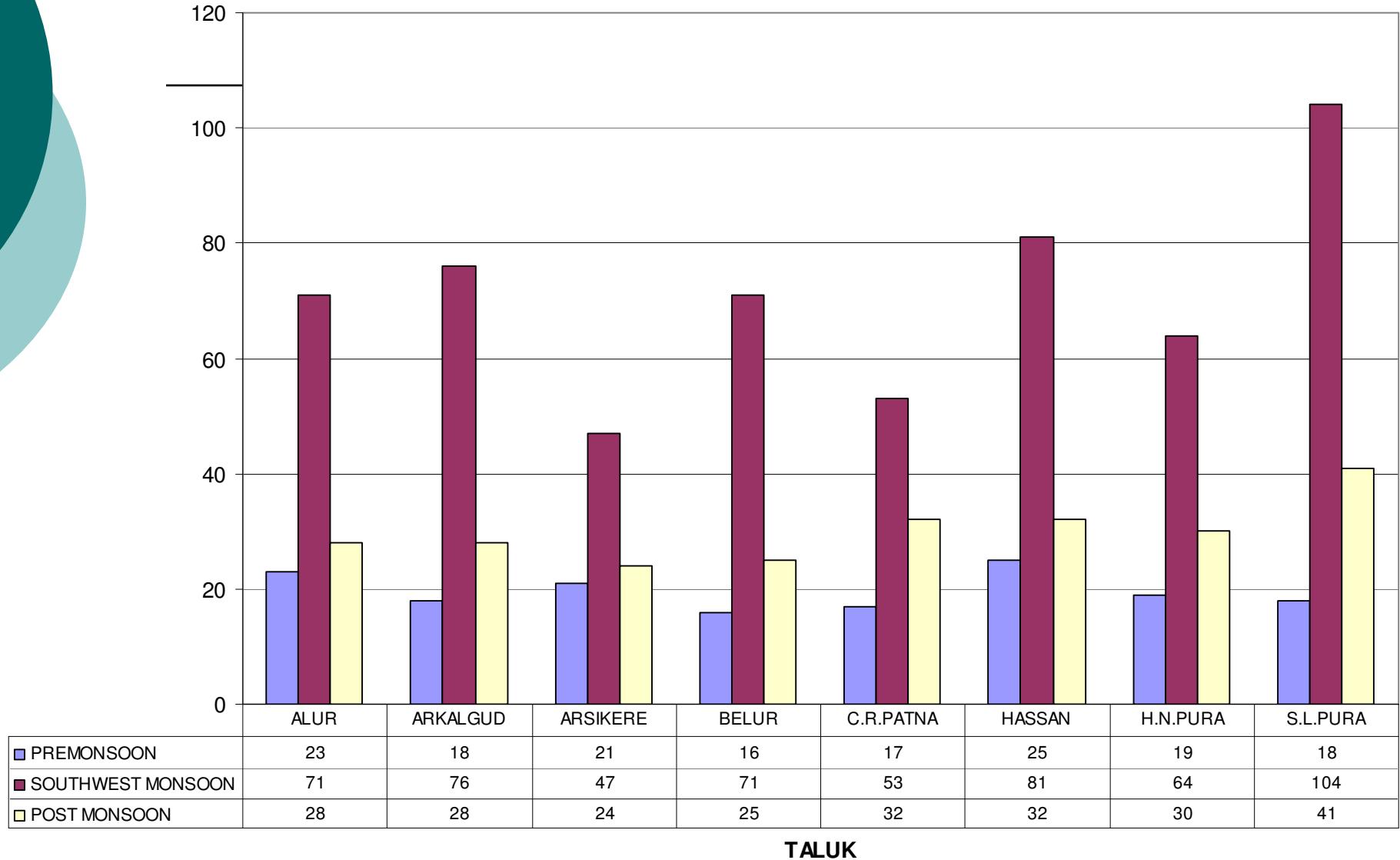
TOTAL RAINFALL
YEAR : 2010

| |
|--------------|
| ■ EXCESS (7) |
| ■ NORMAL (1) |

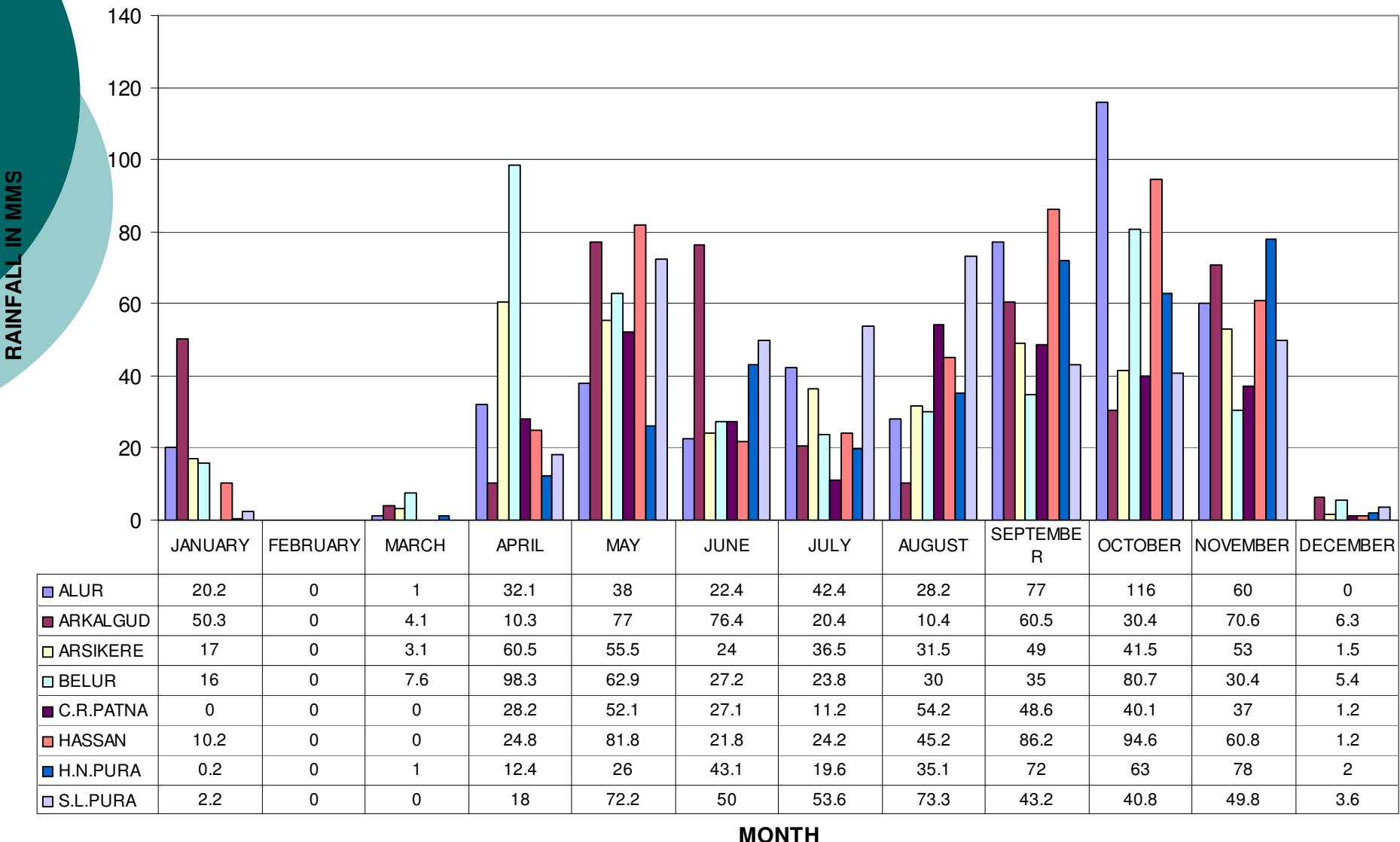
PREPARED AT : NRDMS CENTRE/ZP/HASSAN.



NUMBER OF RAINY DAYS DURING 2010 IN HASSAN DISTRICT



HIGHEST RAINFALL IN A SINGLE DAY DURING 2010 IN HASSAN DISTRICT



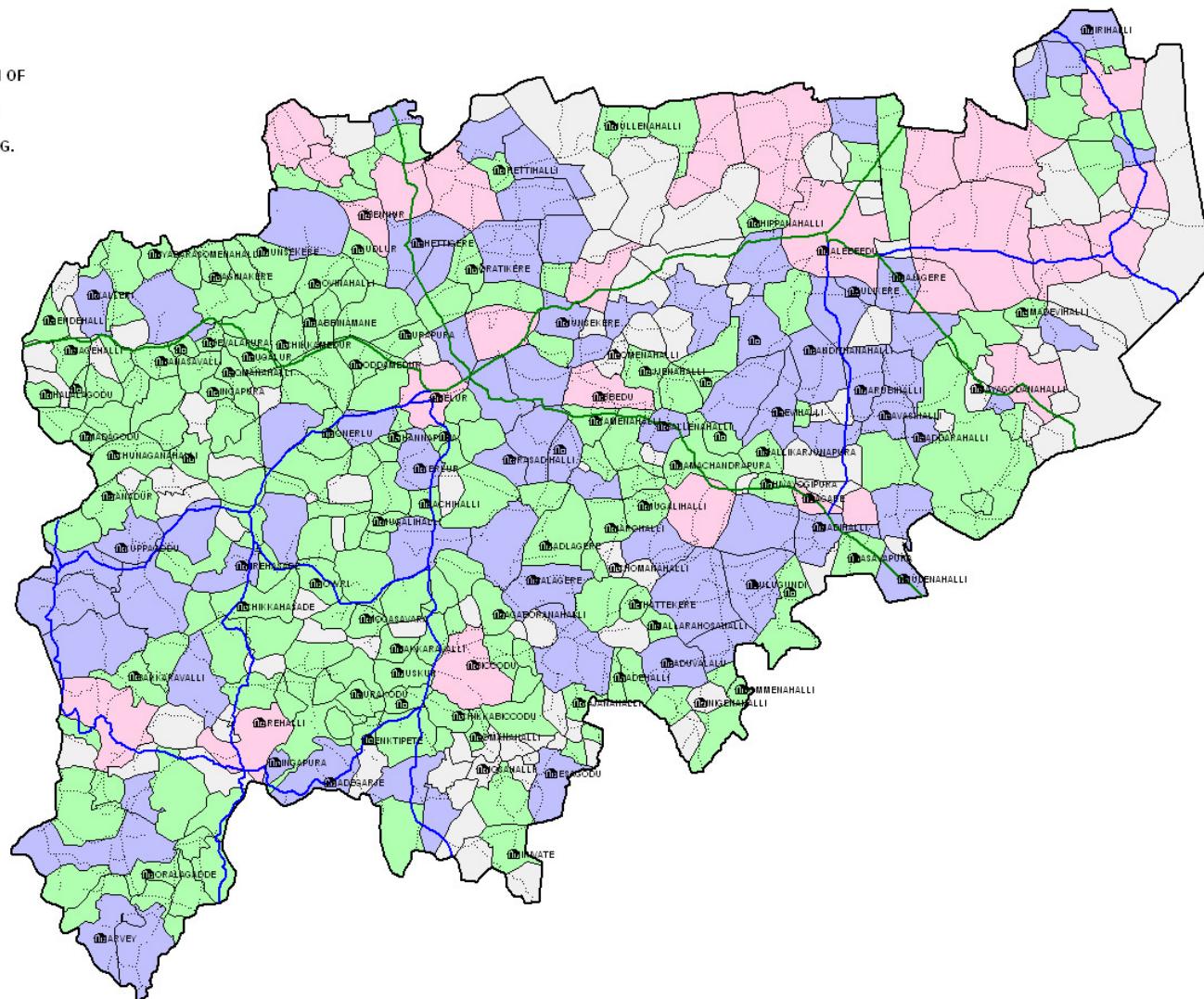


RAINFALL STATUS IN HASSAN DISTRICT

- In the past ten years, the annual rainfall was Deficit during the years 2001, 2002 and 2003 and it was declared as drought.
- It was normal during the years 2004, 2006 and 2009.
- Excess rainfall was received during the years of 2005, 2007, 2008 and 2010.

BELUR TALUK

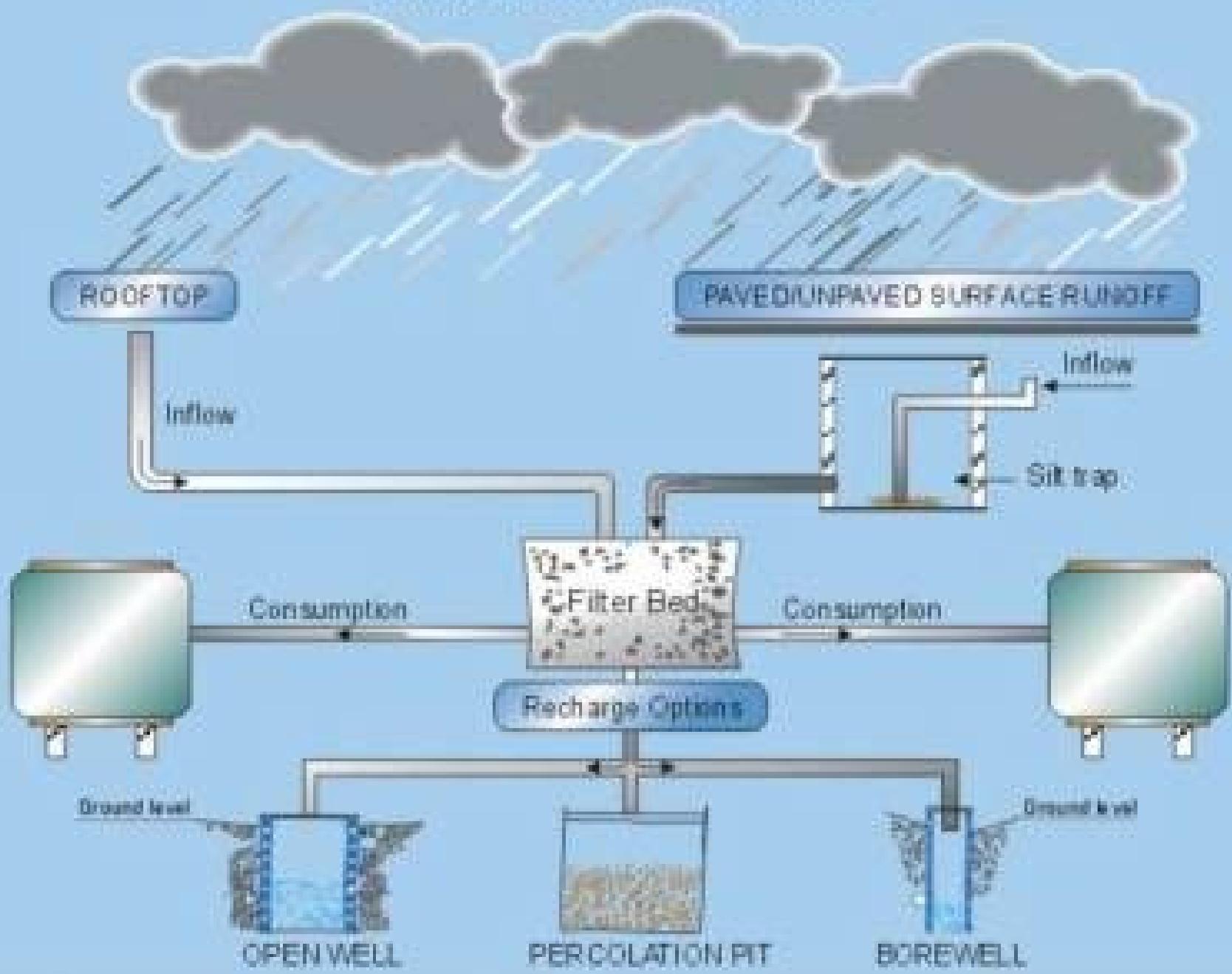
MAP SHOWING LOCATION OF
SCHOOLS SELECTED FOR
ROOF WATER HARVESTING.



VILLAGEWISE POPULATION

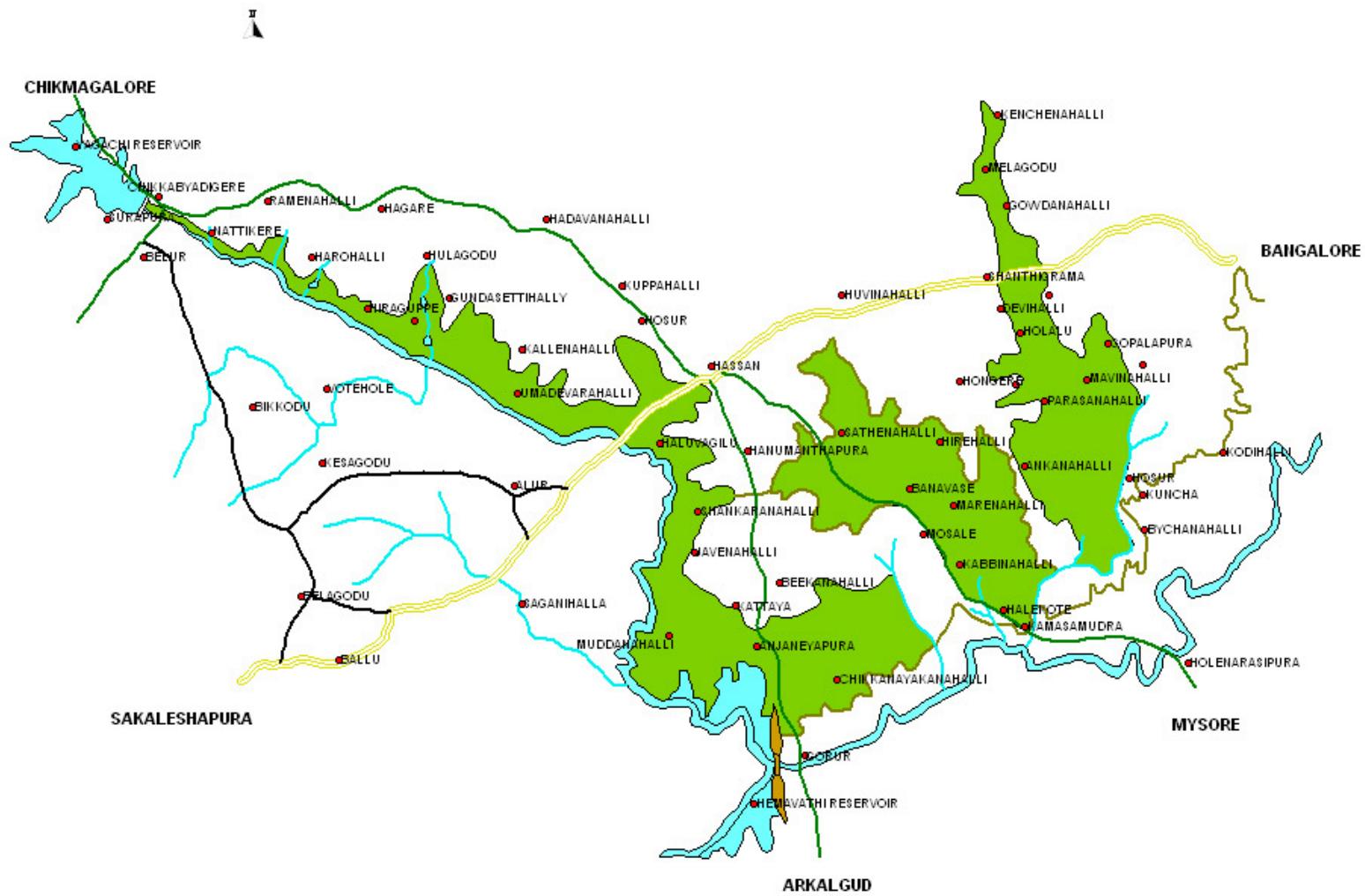
| |
|-----------------|
| 0 to 100 |
| 100 to 500 |
| 500 to 1,000 |
| 1,000 to 16,900 |

RAINWATER HARVESTING





YAGACHI COMMAND AREA MAP

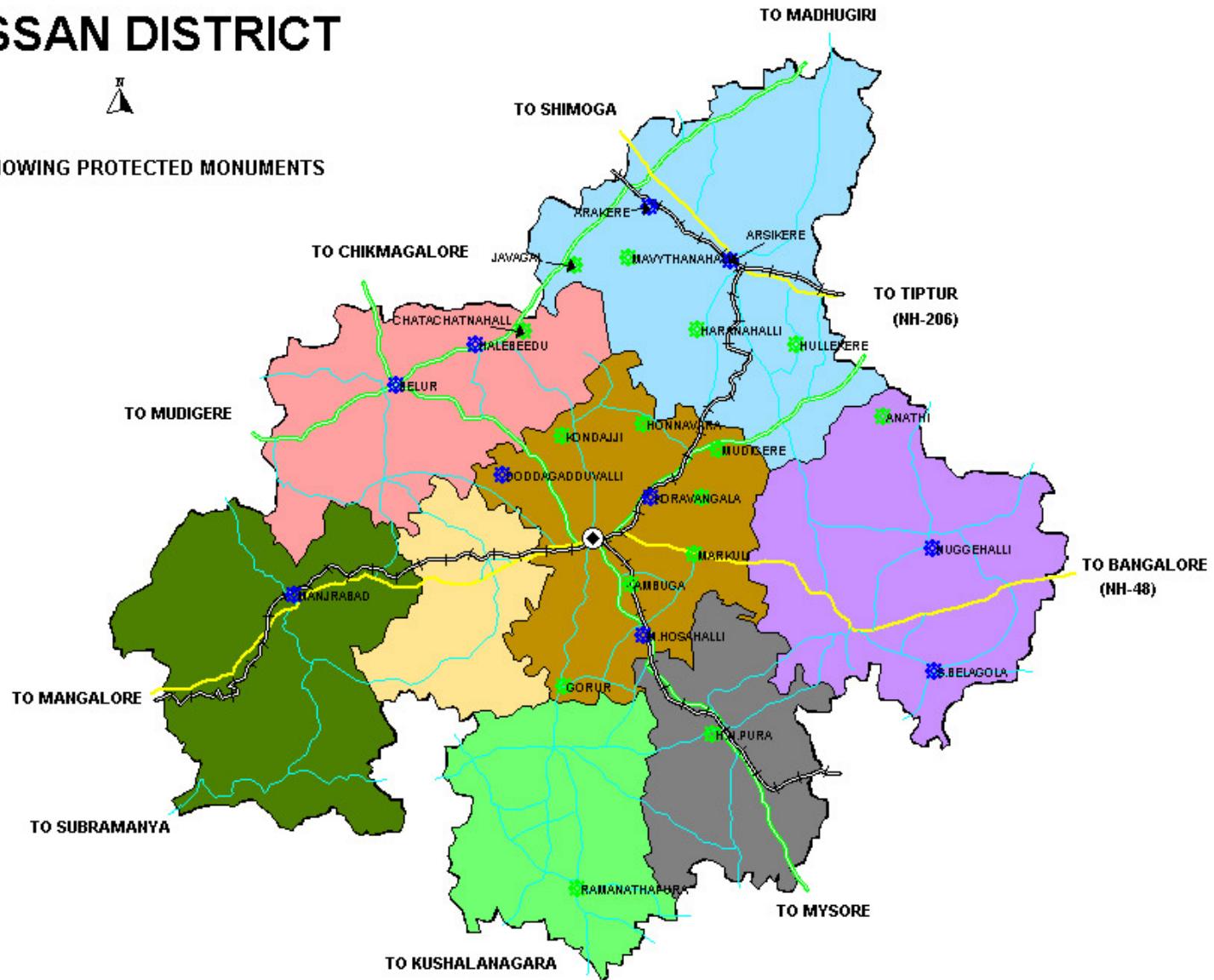


PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

HASSAN DISTRICT



MAP SHOWING PROTECTED MONUMENTS

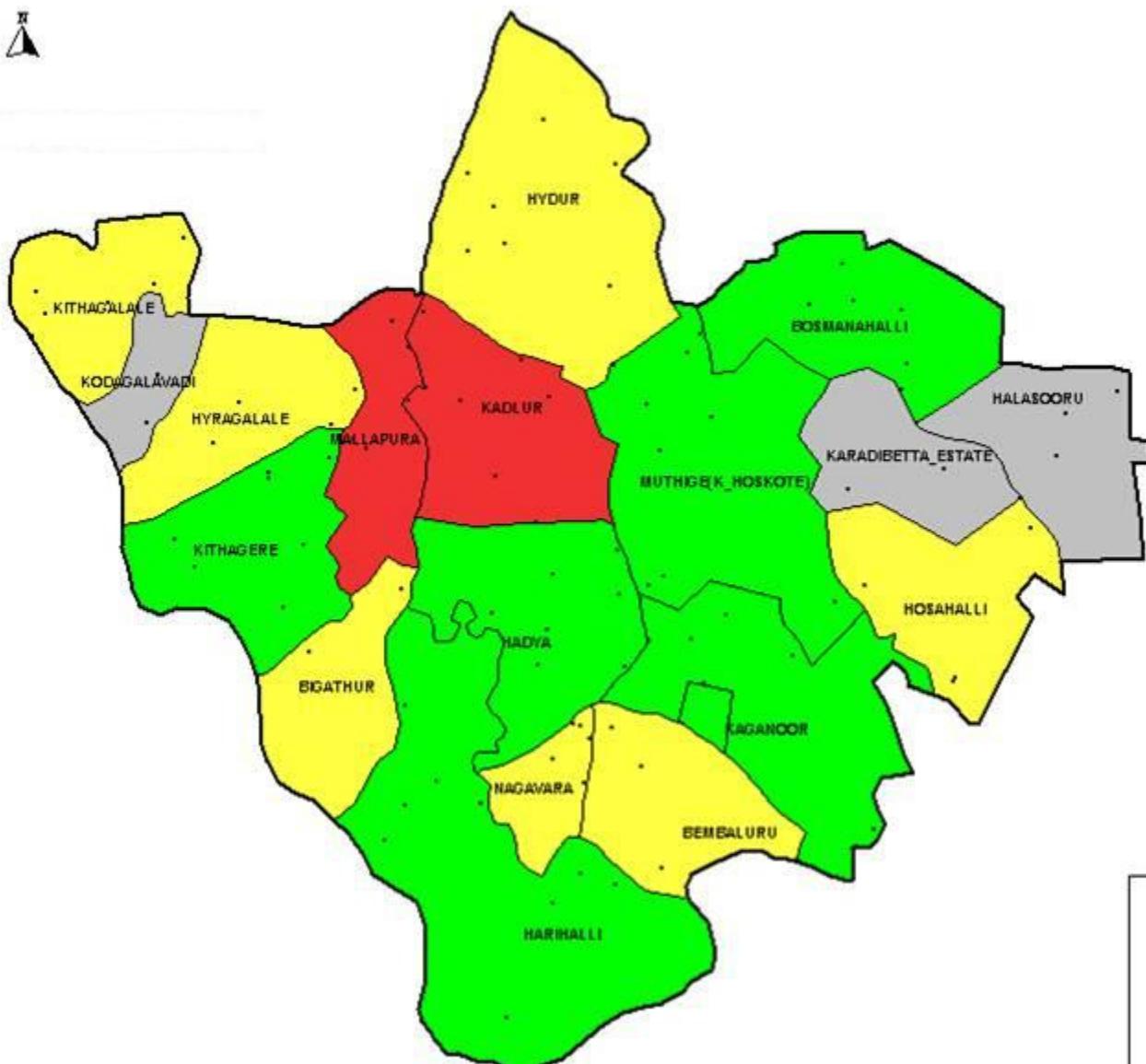


PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

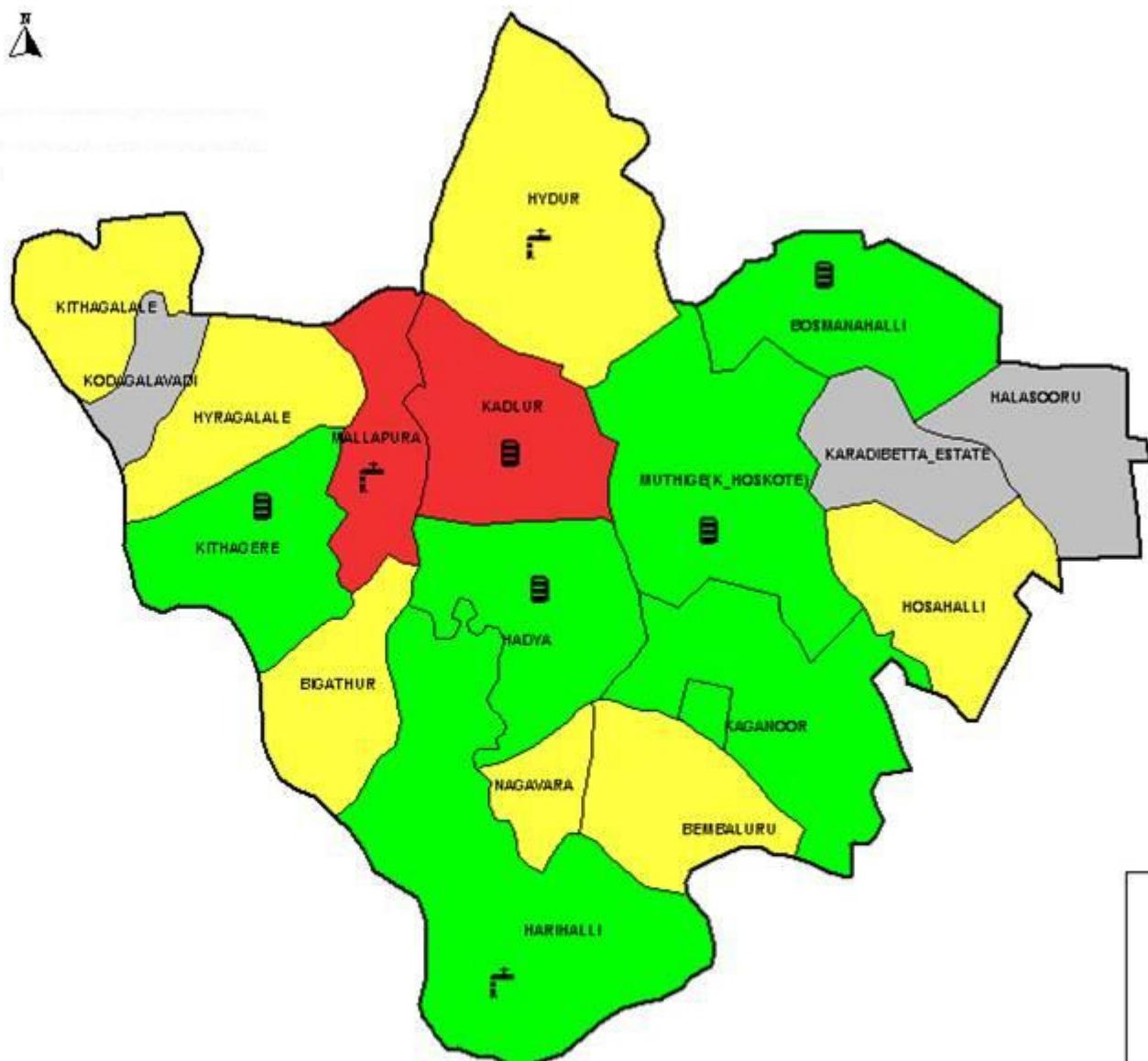


DRINKING WATER FACILITIES

MALLAPURA GRAMA PANCHAYATH



MALLAPURA GRAMA PANCHAYATH



POPULATION

| |
|--------------|
| 1 to 200 |
| 200 to 400 |
| 400 to 700 |
| 700 to 1,170 |

| vill_name | bw | mws | pws | Area | Res_hous | Households | T_popln | pop_2001 |
|--------------------|----|-----|-----|--------|----------|------------|---------|----------|
| Mallapura | 4 | 0 | 1 | 167.33 | 163 | 164 | 678 | 746 |
| Kadlur | 8 | 1 | 0 | 250.00 | 222 | 222 | 1,064 | 1,170 |
| Hydur | 7 | 0 | 1 | 374.37 | 78 | 78 | 349 | 384 |
| Bosmanahalli | 7 | 1 | 0 | 269.73 | 73 | 73 | 371 | 408 |
| Halasooru | 3 | 0 | 0 | 206.70 | 38 | 38 | 147 | 162 |
| Kaganoor | 6 | 0 | 0 | 307.37 | 93 | 93 | 466 | 513 |
| Hosahalli | 4 | 0 | 0 | 204.16 | 49 | 49 | 240 | 264 |
| Karadibetta_estate | 3 | 0 | 0 | 120.22 | 8 | 8 | 29 | 32 |
| Muthige | 9 | 1 | 0 | 422.95 | 140 | 140 | 624 | 686 |
| Hadya | 8 | 1 | 0 | 248.91 | 117 | 118 | 498 | 548 |
| Bembaluru | 3 | 0 | 0 | 196.38 | 49 | 49 | 220 | 242 |
| Nagavara | 5 | 0 | 0 | 72.97 | 56 | 56 | 242 | 266 |
| Harihalli | 9 | 0 | 1 | 517.21 | 136 | 137 | 605 | 666 |
| Harihalli | 0 | 0 | 0 | 517.21 | 136 | 137 | 605 | 666 |
| Bigathur | 2 | 0 | 0 | 137.48 | 61 | 61 | 247 | 272 |
| Kithagere | 7 | 1 | 0 | 203.53 | 80 | 80 | 413 | 454 |
| Hyragalale | 4 | 0 | 0 | 170.73 | 53 | 53 | 257 | 283 |
| Kodagalavadi | 2 | 0 | 0 | 62.53 | 3 | 3 | 22 | 24 |
| Kithagalale | 6 | 0 | 0 | 145.47 | 44 | 44 | 224 | 246 |

DETAILS OF BOREWELLS, MINI WATER SUPPLY AND PIPED WATER SUPPLY IN VILLAGES OF MALLAPURA GRAMA PANCHAYATH

WATER REQUIREMENT = POPULATION X 55(LPCD)

WATER AVAILABLE = NUMBER OF BOREWELLS X YIELD OF THE BOREWELLS

BW=BOREWELLS

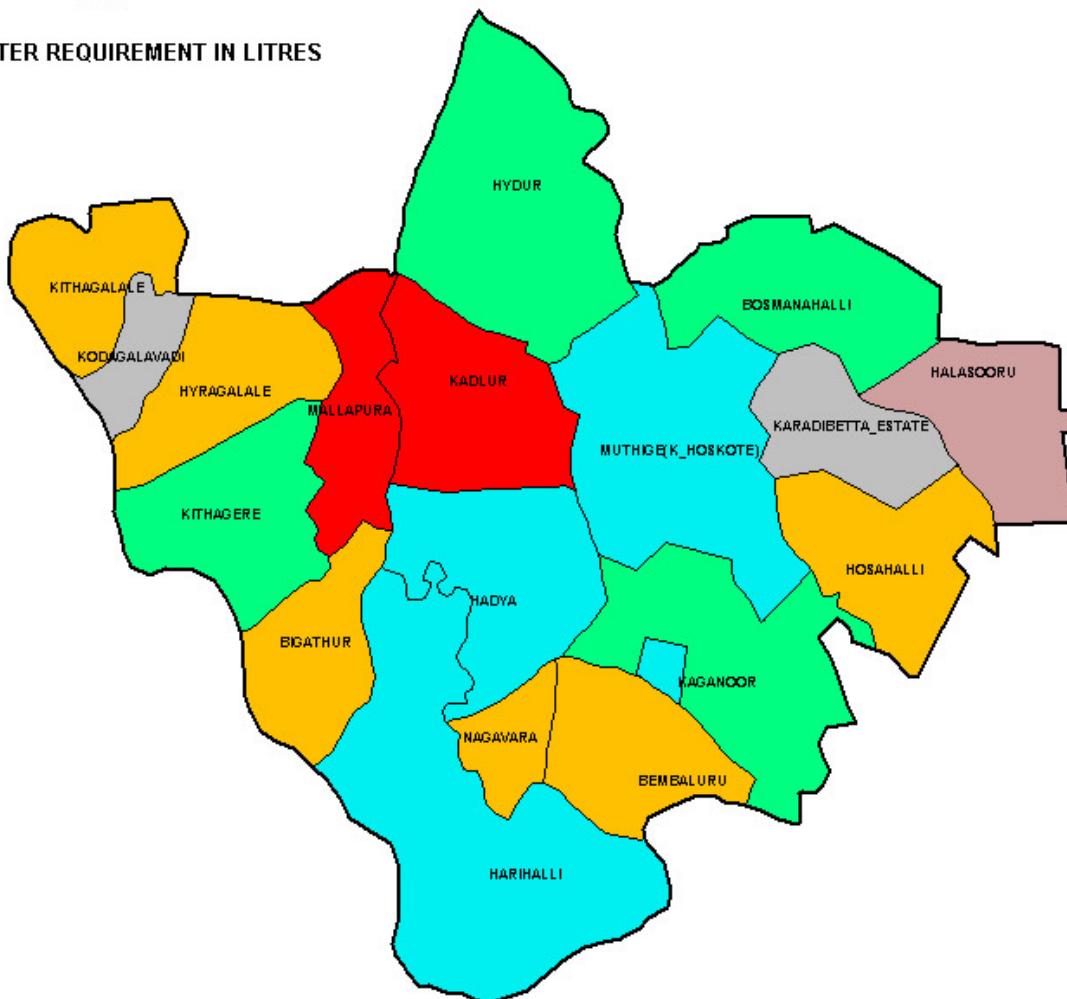
MWS=MINI WATER SUPPLY

PWS=PIPED WATER SUPPLY

MALLAPURA GRAMA PANCHAYATH



MAP SHOWING WATER REQUIREMENT IN LITRES



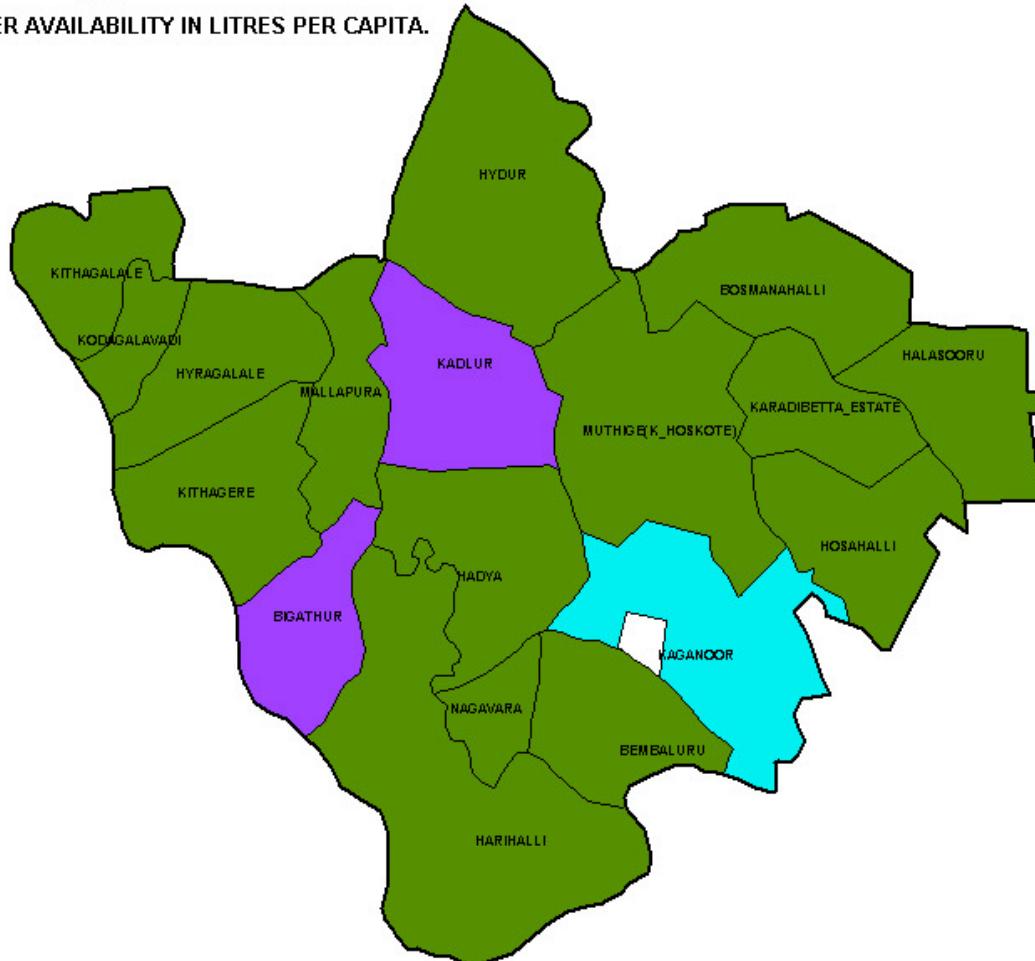
| WATER REQUIREMENT IN LITRES | |
|--------------------------------|--|
| 1,000 to 5,000 | |
| 5,000 to 10,000 | |
| 10,000 to 20,000 | |
| 20,000 to 30,000 | |
| 30,000 to 40,000 | |
| 40,000 to 64,400 | |

PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

MALLAPURA GRAMA PANCHAYATH



MAP SHOWING WATER AVAILABILITY IN LITRES PER CAPITA.



| LPCD |
|-----------|
| 20 to 30 |
| 30 to 40 |
| 50 to 55 |
| 55 to 422 |

PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

KEMBAL

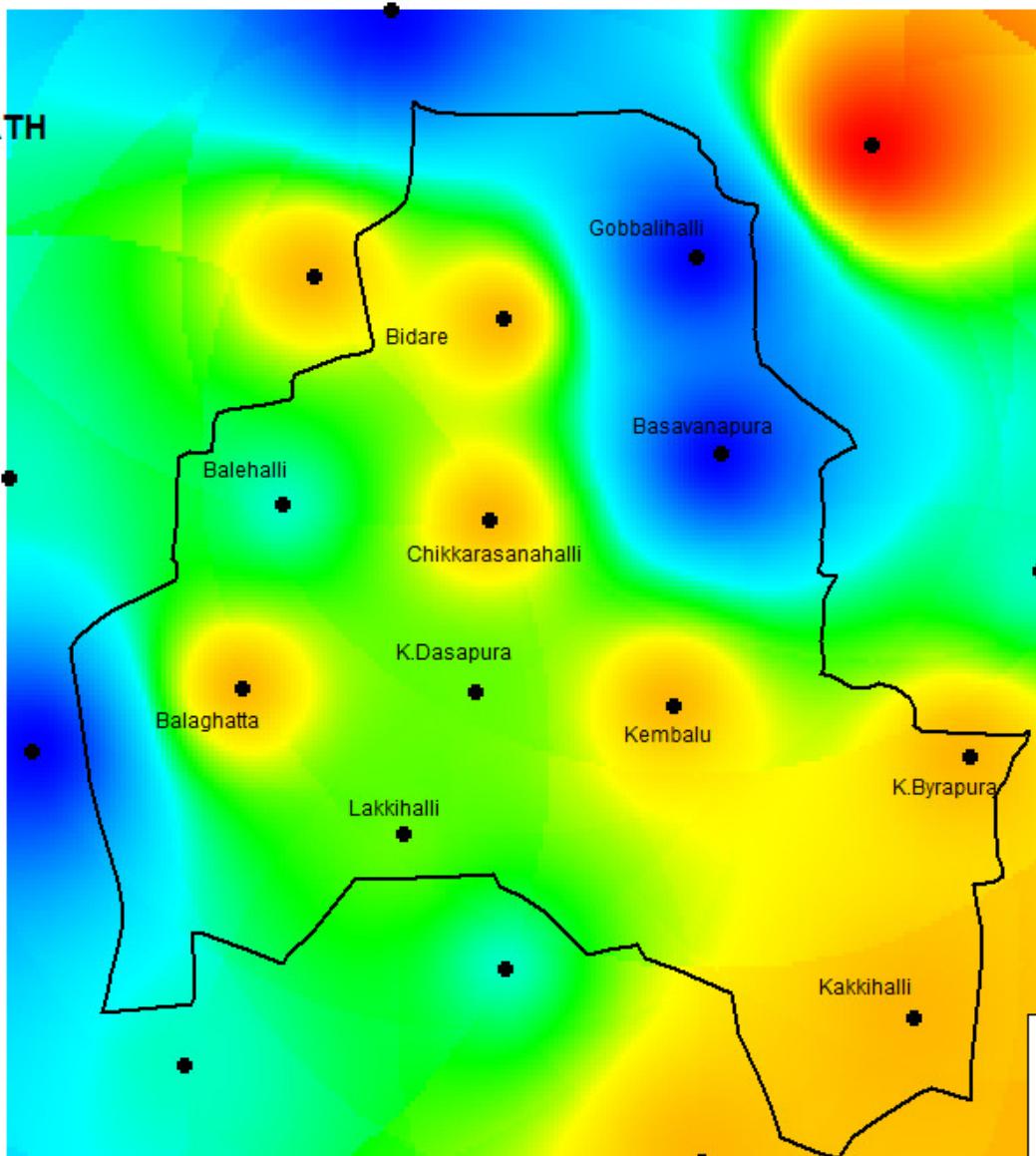
GRAMA PANCHAYATH



FLOURIDE CONTENT IN
DRINKING WATER SOURCES

PERMISSIBLE LIMIT :

UPTO 1.5 PPM



PREPARED AT : NRDMS CENTRE/ZP/HASSAN.



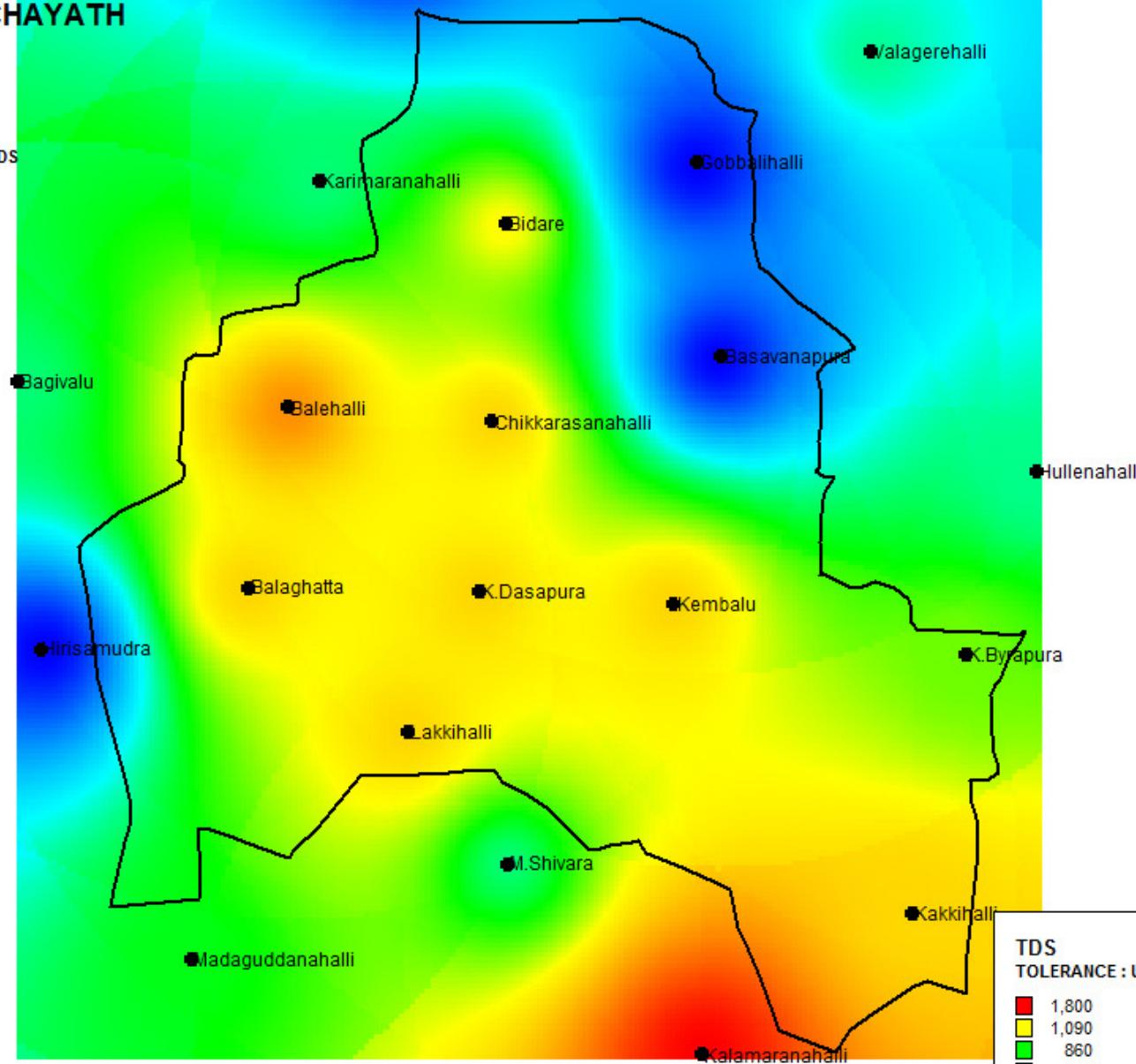
FLOURIDE IN DRINKING WATER

- Fluoride has beneficial effects on teeth at low concentrations in drinking-water.
- Excessive exposure to fluoride in drinking-water can give rise to a number of adverse effects.
- These range from mild dental fluorosis to crippling skeletal fluorosis as the level and period of exposure increases.

KEMBAL GRAMA PANCHAYATH



TOTAL DISSOLVED SOLIDS
IN DRINKING WATER
SOURCES



| TDS TOLERANCE : UPTO 2000 PPM | |
|----------------------------------|--------|
| 1,800 | Red |
| 1,090 | Yellow |
| 860 | Green |
| 620 | Cyan |
| 0 | Blue |

PREPARED AT : NRDMS CENTRE/ZP/HASSAN.



TOTAL DISSOLVED SOLIDS(TDS)

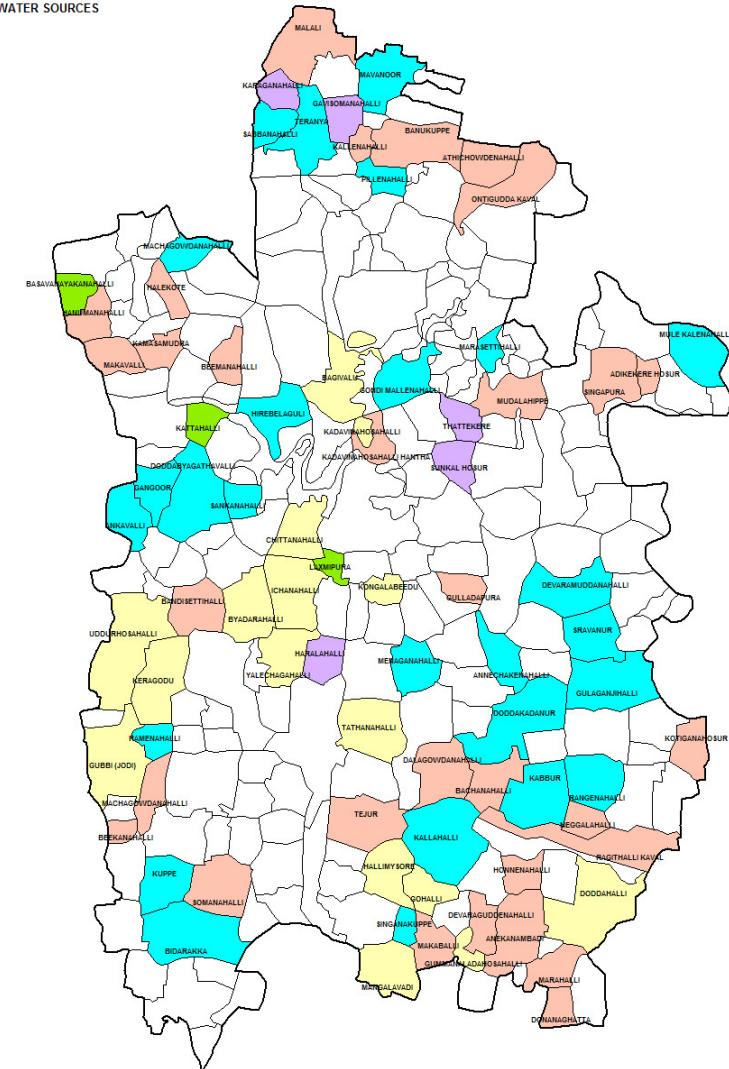
- "Dissolved solids" refer to any minerals, salts, metals dissolved in water.
- Dissolved solids come from organic sources such as leaves, silt, fertilizers and pesticides used in farms and from industrial waste and sewage.
- High TDS results in undesirable taste which could be salty, bitter, or metallic.
- High TDS indicates Hard water, which causes scale buildup in pipes and valves, inhibiting performance.

HOLENARASIPURA TALUK



CHEMICALS IN DRINKING

WATER SOURCES



TYPE OF CHEMICALS

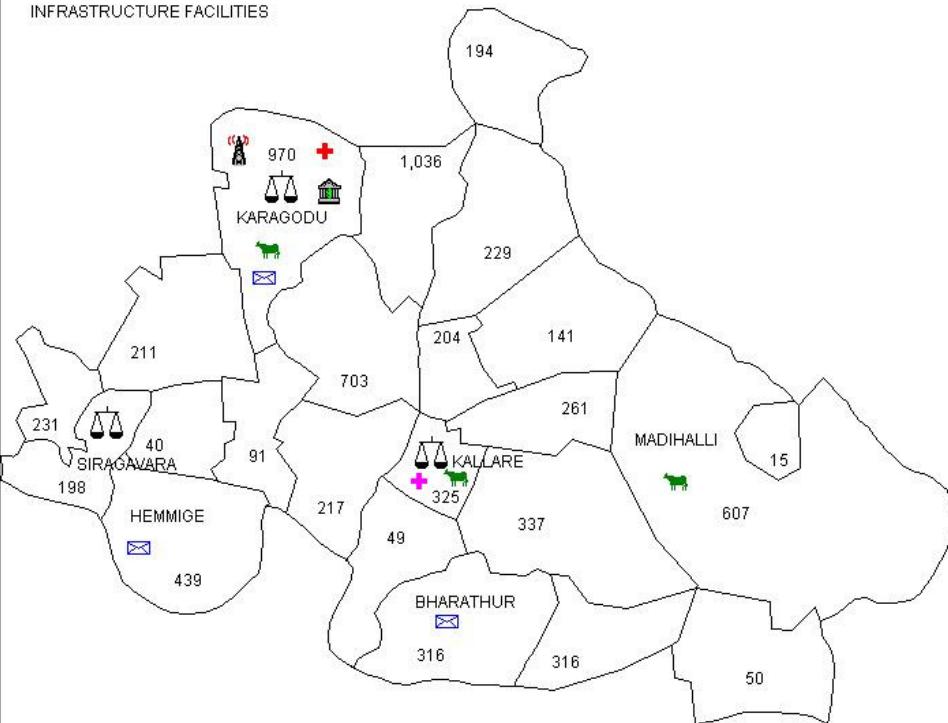
| |
|------|
| FE |
| FL |
| MOFL |
| MWFL |
| TDS |

PREPARED AT : NRDMSCENTRE/ZP/HASSAN.

KARAGODU GRAMA PANCHAYAT



INFRASTRUCTURE FACILITIES



FAIR PRICE SHOP



BANK



PHC



MILK CO OPERATIVE SOCIETY



SUB CENTRE



TELEPHONE EXCHANGE



POST OFFICE

PREPARED AT :

NRDMS CENTRE/ZP/HASSAN.

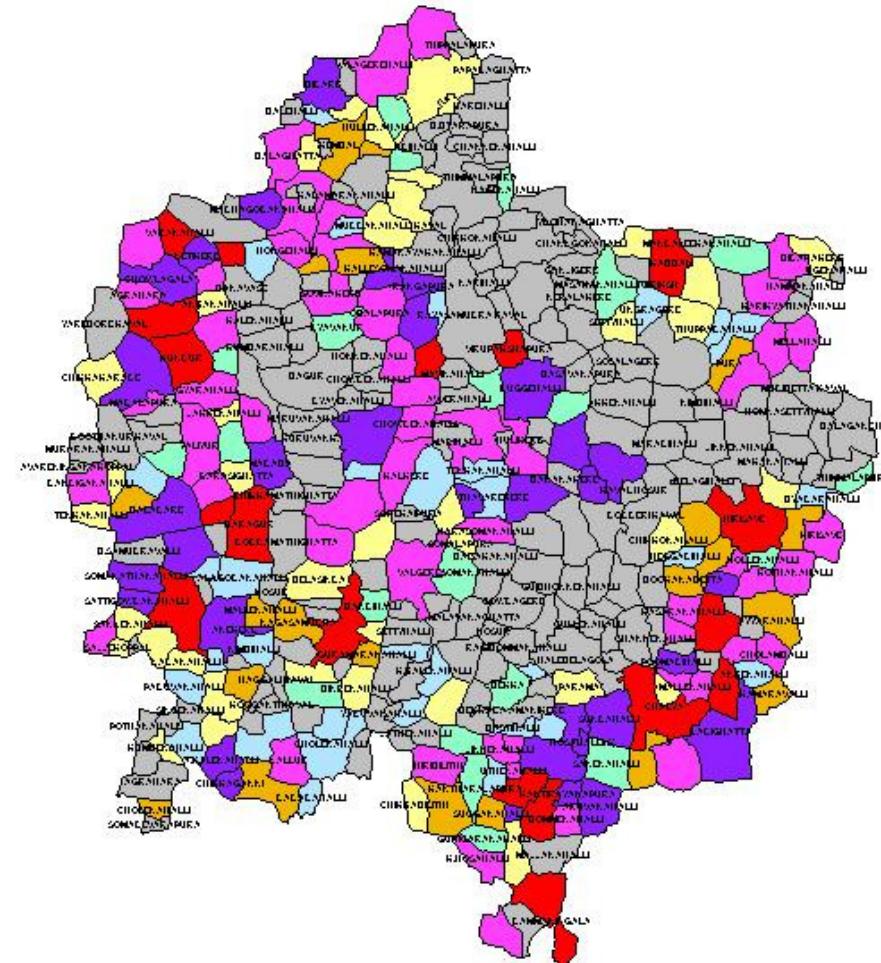


HEALTH FACILITIES

CHANNARAYAPATNA TALUK



MALARIA CASES



MALARIA CASES

| | |
|----------|-------|
| 0 | (171) |
| 1 | (40) |
| 2 | (32) |
| 3 | (21) |
| 4 | (21) |
| 5 to 10 | (54) |
| 10 to 20 | (32) |
| 20 to 93 | (18) |

PREPARED AT : NRDMS CENTRE/ZP/HASSAN.



NATIONAL ANTI MALARIA PROGRAMME

- PLASMODIUM FALSIFORM(PF)
- CAUSES CEREBRAL MALARIA
- MORE DANGEROUS
- PLASMODIUM VIVAX(PV)
- TOTAL POSITIVE COUNTS = PF+PV



NATIONAL ANTI MALARIA PROGRAMME

- IF PF IS MORE THAN 30 PERCENT IN AN AREA THEN THAT AREA IS TREATED AS HIGH RISK ZONE
- DRUGS DISTRIBUTED BY NAMP ARE PRIMAQUIN AND CHLOROQUIN.



NATIONAL ANTI MALARIA PROGRAMME

- TO PREVENT MALARIA FROM SPREADING, CHEMICALS ARE SPRAYED TO THE DWELLINGS
- SPRAYING OF CHEMICALS IS BASED ON THE ANNUAL PARASITE INDEX(API)



NATIONAL ANTI MALARIA PROGRAMME

- CHEMICALS SPRAYED ARE :
- DDT
- MELATHIAN
- DELTA METHRIN
- 400 GRAMS OF DELTA METHRIN IS ADDED TO TEN LITRES OF WATER AND SPRAYED AND THIS IS THE MOST EFFECTIVE CHEMICAL.



NATIONAL ANTI MALARIA PROGRAMME

- INSECTS SURVEY IS CARRIED OUT BY THE ENTOMOLOGIST AND THE SPECIES ARE IDENTIFIED.
- THE SPECIES IDENTIFIED IN HASSAN DISTRICT ARE :
 - ANAPHYLIS CULICIFACIES
 - ANAPHYLIS FLUVIATA AND
 - ANAPHYLIS STEPHENCI.

HASSAN DISTRICT



MAP SHOWING MALARIAL VECTOR SPECIES



SPECIES

- VECTOR UNKNOWN (42)
- ★ AN.CULICIFACIES (11)
- AN.CULICIFACIES, FLUVIATA (34)
- ▲ AN.STEPHENSI (1)

TALUK

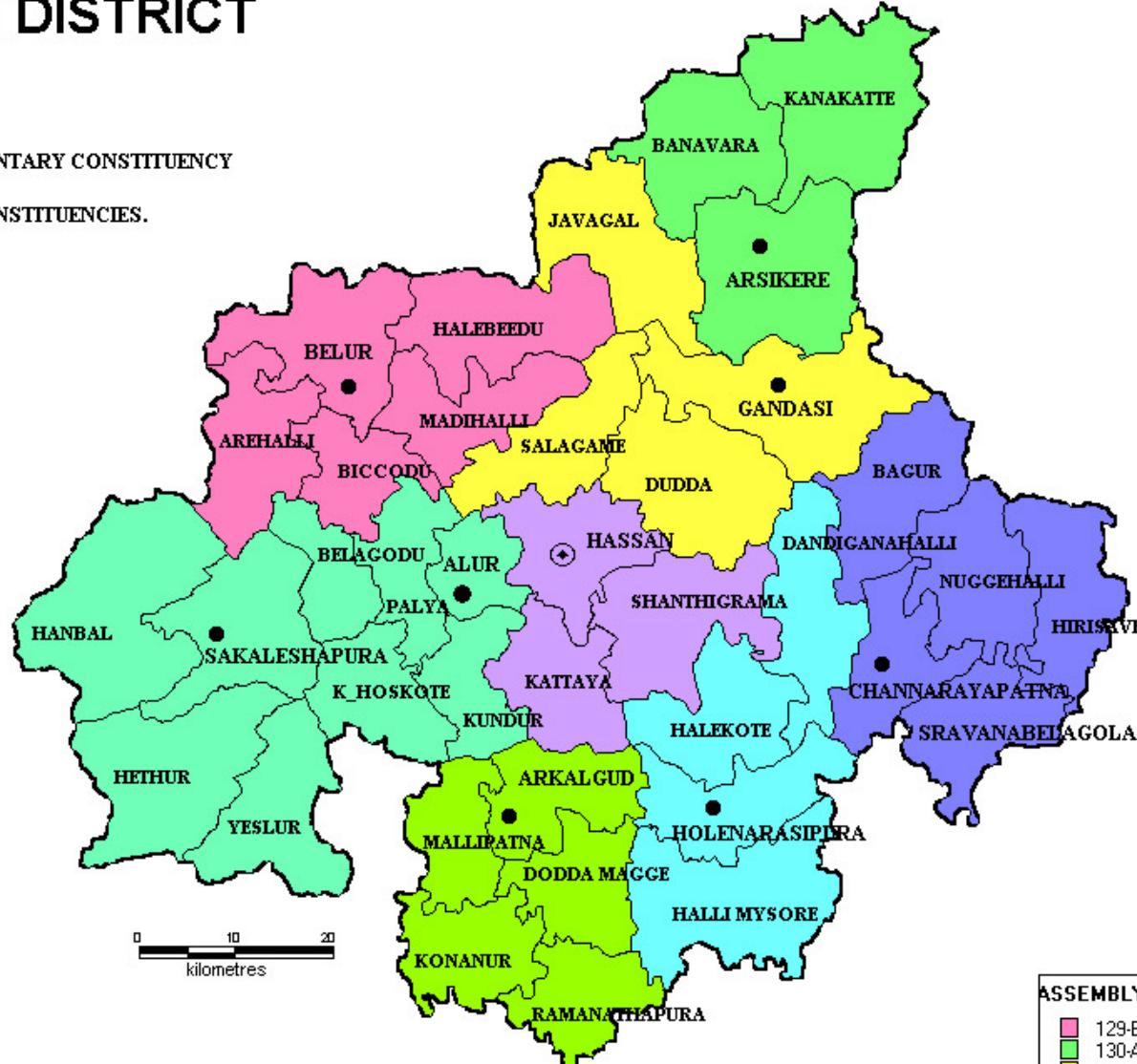
- ALUR
- ARKALGUD
- ARSIKERE
- BELUR
- CHANNARAYAPATNA
- HASSAN
- HOLENARASIPURA
- SAKALESHAPURA

PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

HASSAN DISTRICT



HASSAN PARLIAMENTARY CONSTITUENCY
AND ASSEMBLY CONSTITUENCIES.



ASSEMBLY CONSTITUENCIES

- 129-BELUR
- 130-ARSIKERE
- 131-GANDASI
- 132-SRAVANABELAGOLA
- 133-HOLENARASIPURA
- 134-ARKALGUD
- 135-HASSAN
- 136-SAKALESHAPURA

PREPARED AT :

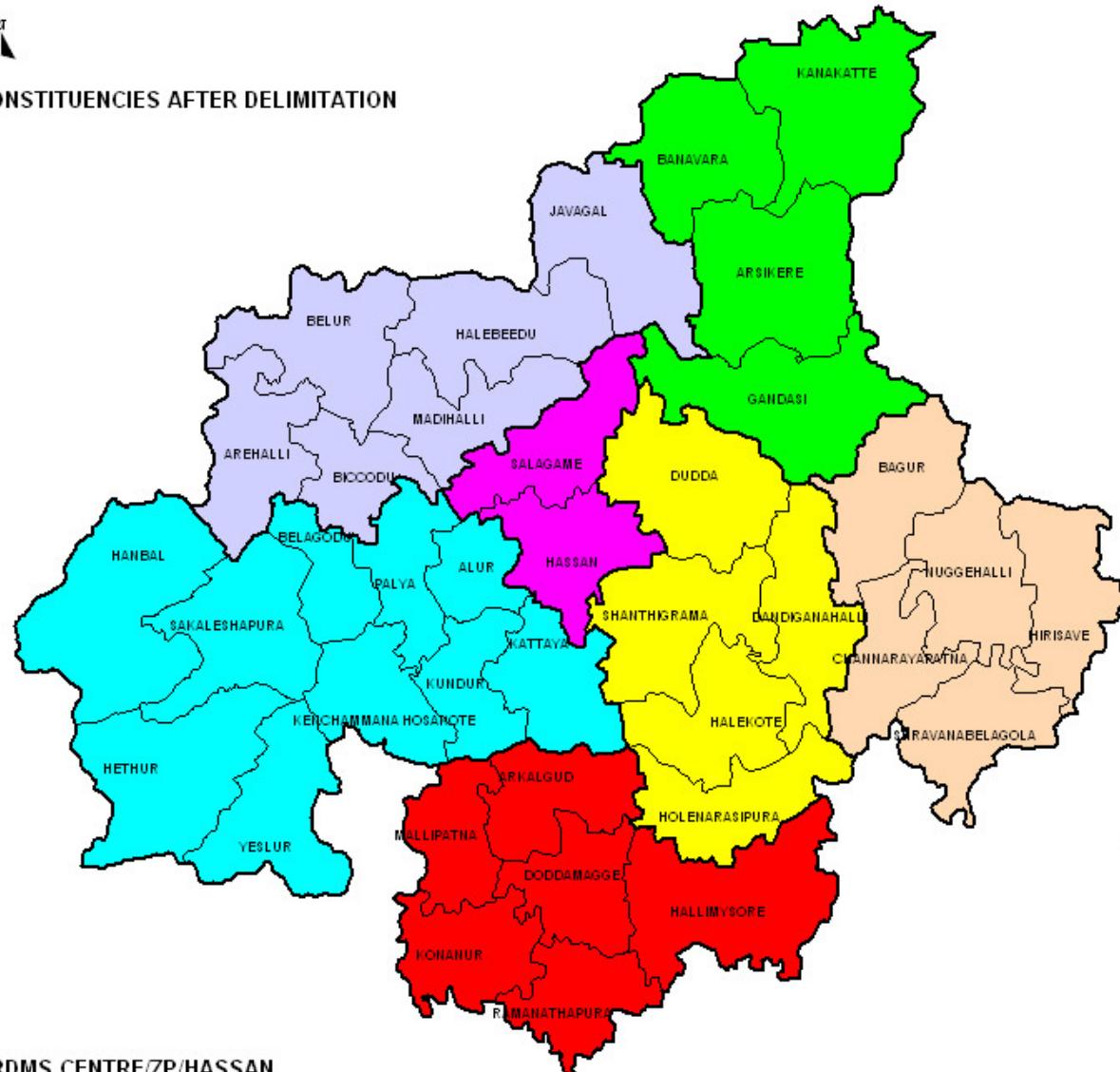
NRDMS CENTRE/KSCST

ZILLA PANCHAYAT, HASSAN.

HASSAN DISTRICT



MAP SHOWING CONSTITUENCIES AFTER DELIMITATION



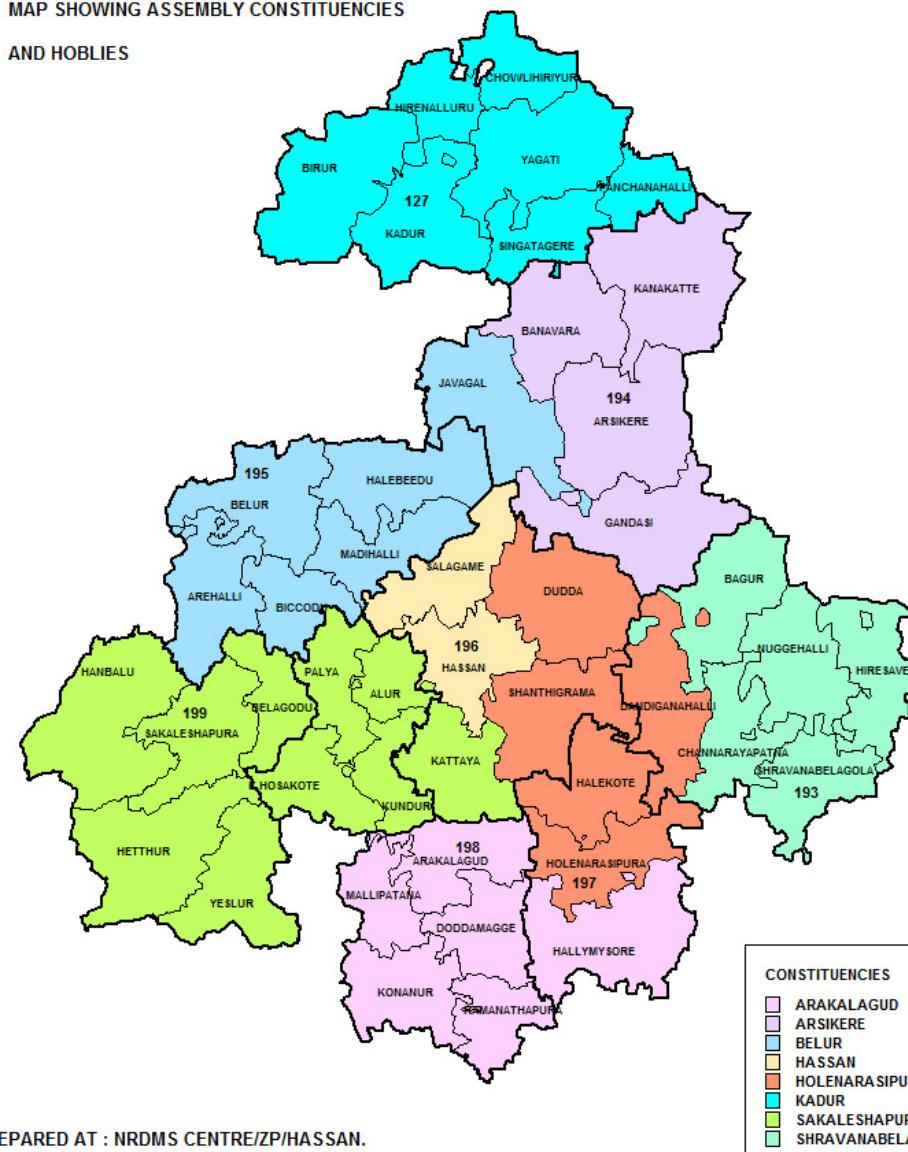
| DELIMITATION |
|--------------|
| ARKALGUD |
| ARSIKERE |
| BELUR |
| HASSAN |
| HNPURA |
| SLPURA |
| S_BELAGOLA |

PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

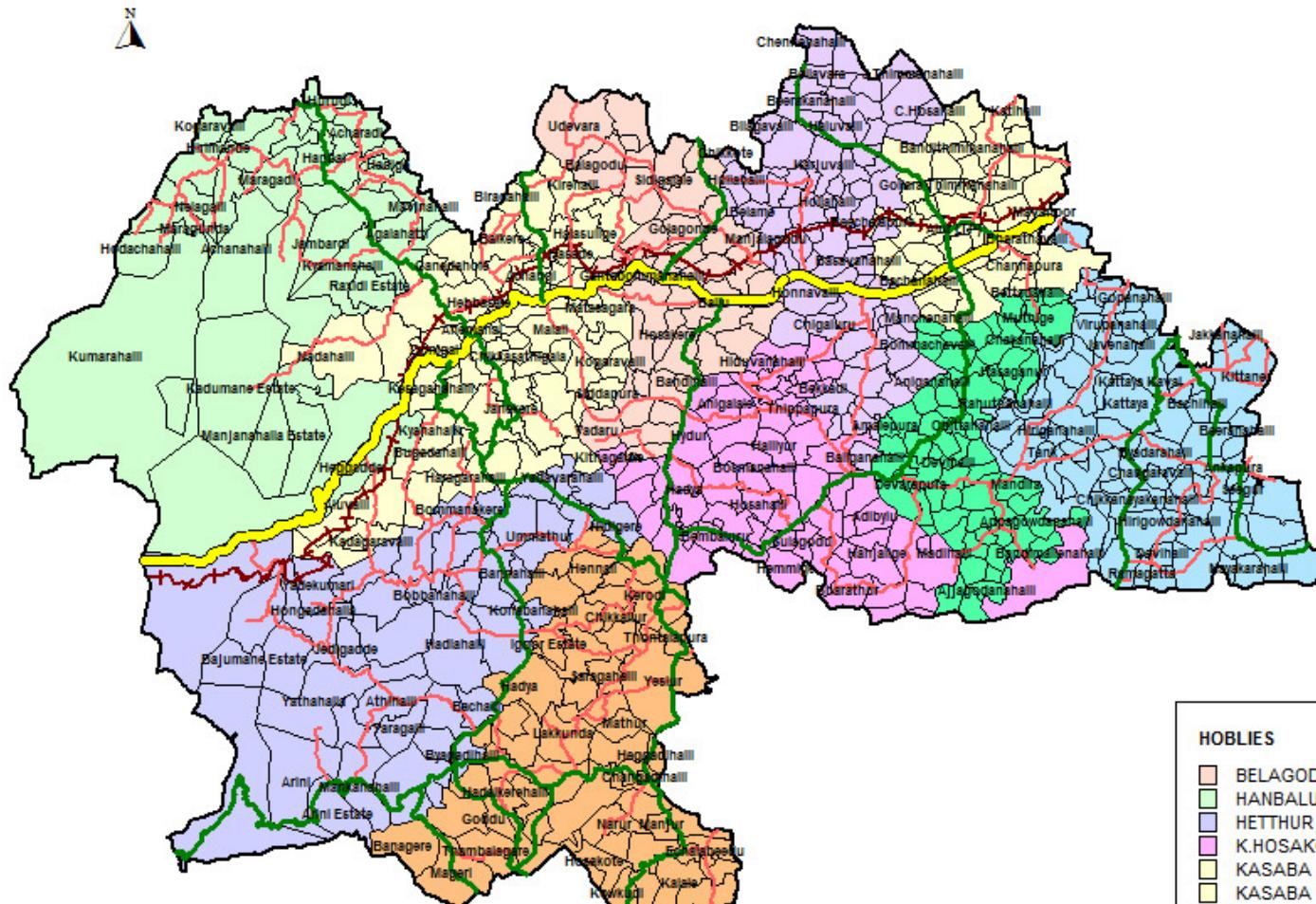
16 HASSAN PARLIAMENTARY CONSTITUENCY



MAP SHOWING ASSEMBLY CONSTITUENCIES
AND HOBLIES

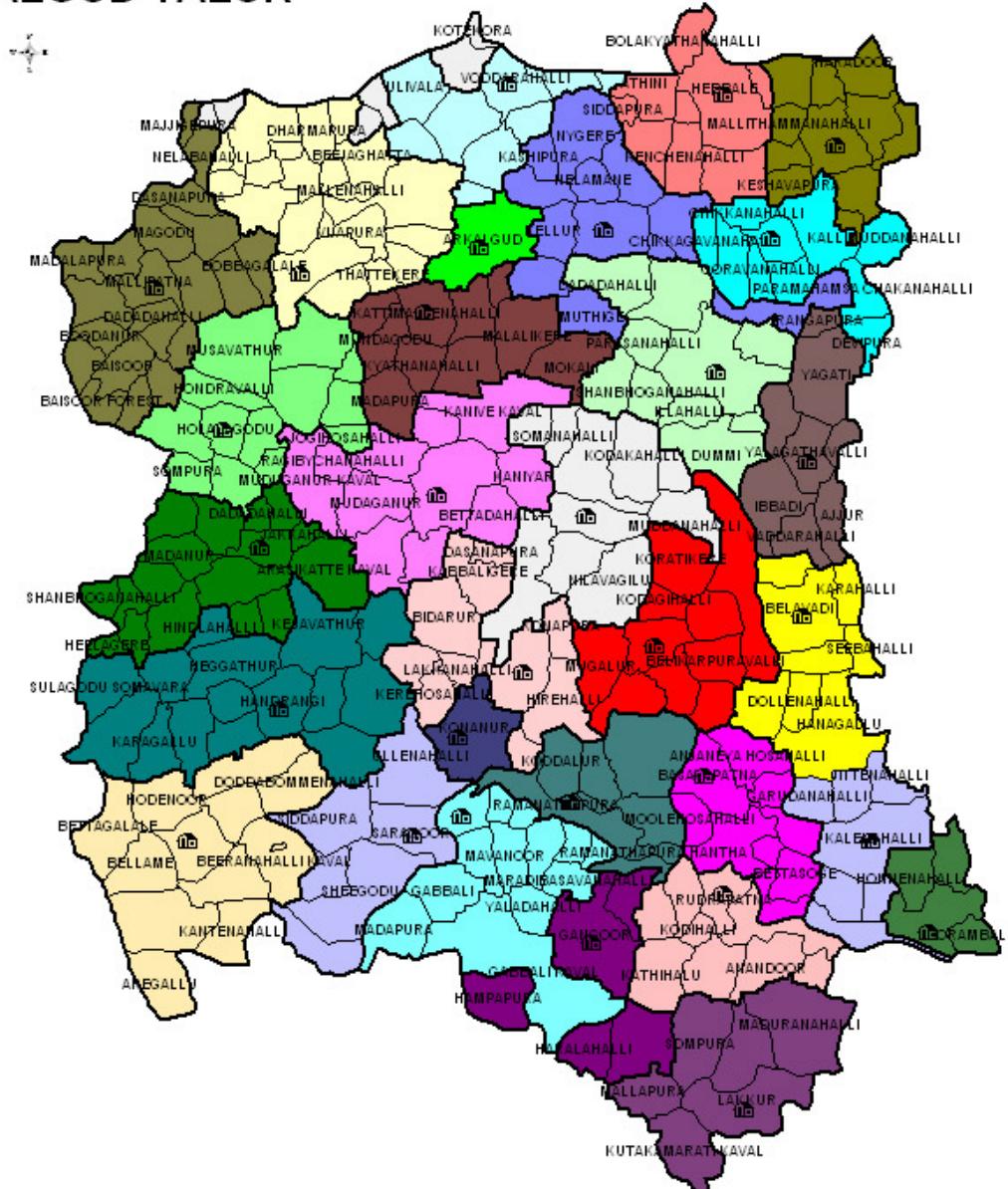


199 SAKALESHAPURA LAC



PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

ARKALGUD TALUK



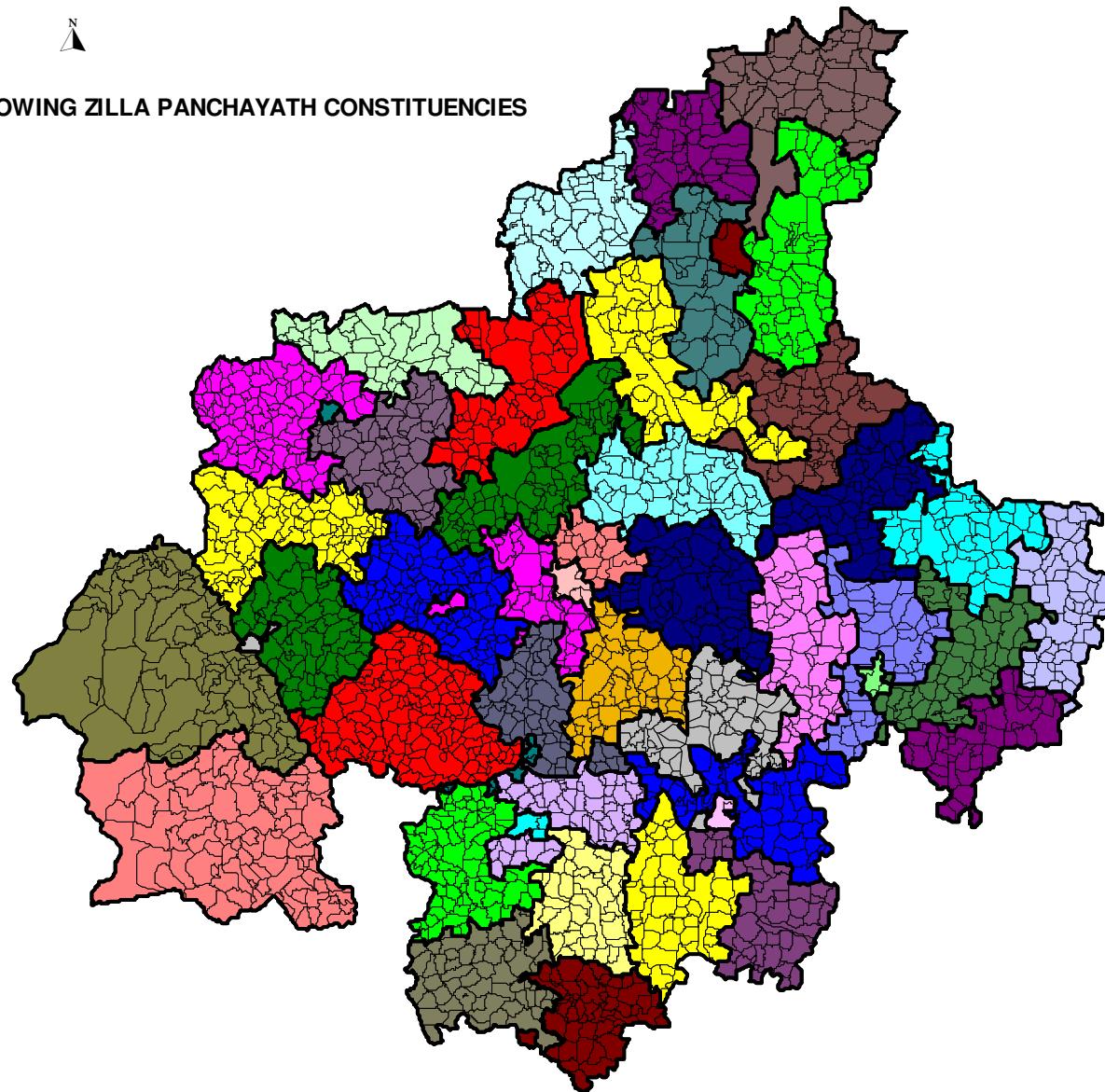
GRAMA PANCHAYATH'S

- AGRAHARA
- ARKALGUD TP
- BANNUR
- BASAVAPATNA
- BELAVADI
- BYCHANAHALLI
- CHIKKAHALLI
- DODDABEMMATHI
- DODDAMAGGE
- GANGOOR
- GANJALAGODU
- HANDRANGI
- HEBBALE
- HOLALAGODU
- HONNAVALLI
- HULIKALLU
- KALENAHALLI
- KATTEPURA
- KATTIMALLENAHALLI
- KERALAPURA
- KONANUR
- LAKKUR
- MALLIPATNA
- RAMANATHAPURA
- RUDRAPATNA
- SANTHEMARUR
- SARAGOOR
- SUBMERGED VILLAGES
- VIJAPURA FOREST
- VODDARAHALLI
- YALAGATHAVALLI

HASSAN DISTRICT

N

MAP SHOWING ZILLA PANCHAYATH CONSTITUENCIES

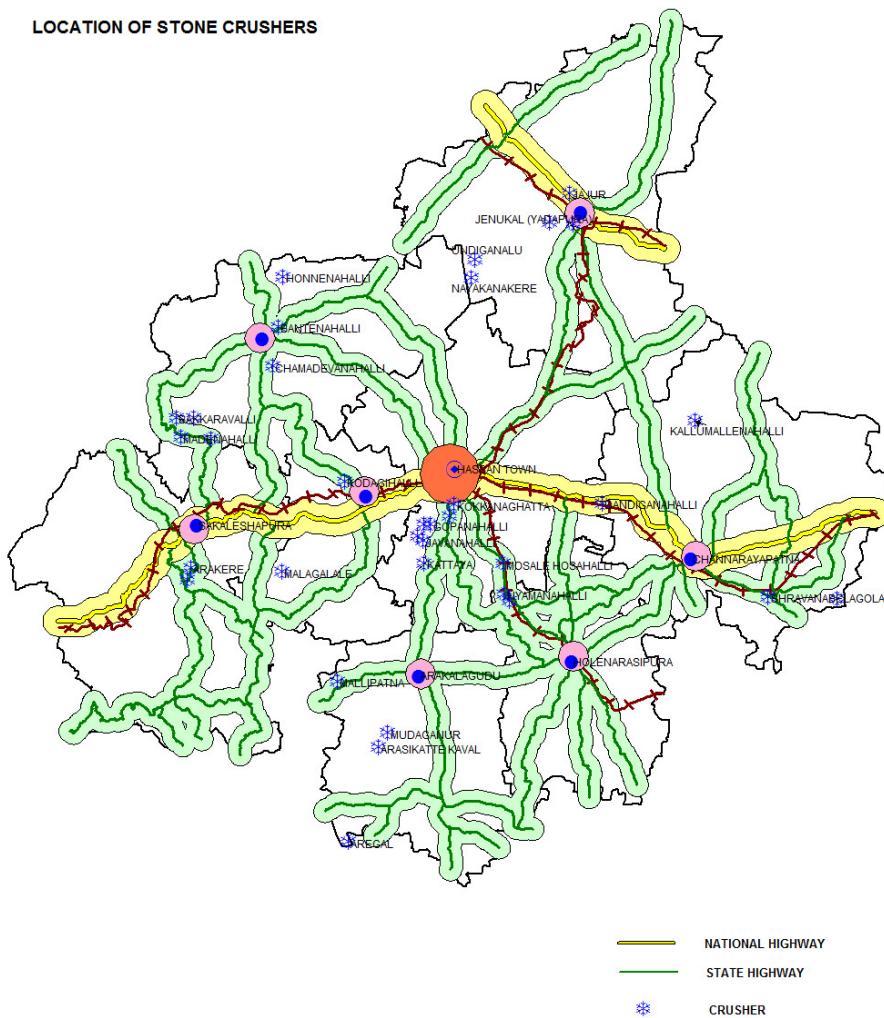


ZILLA PANCHAYATH CONSTITUENCIES

- ADAGOORU
- AGGUNDA
- ALUR
- AREHALLI
- BAGESHPURA
- BAGUR
- BANAVARA
- BELAGODU
- BOOVANAHALLI
- D.KALENAHALLI
- DANDIGANAHALLI
- DODDAMAGGE
- DUDDA
- GANDSI
- GOWDAGERE
- HALEKOTE
- HALLIMYSORE
- HANBAL
- HARANAHALLI
- HEBBALU
- HIRISAVE
- HONNAVALLI
- JAVAGAL
- KANAKATTE
- KANDALI
- KATTAYA
- KOGILAMANE
- KONANUR
- M.HOSAHALLI
- MAGGE
- MALLIPATNA
- MUDALAHIPPE
- NAGENAHALLI
- NIDUVANI
- NUGGEHALLI
- RAMANATHAPUR
- SALAGAME
- SHANTHIGRAMA
- SHRAVANABELAGOLA
- YESLUR

HASSAN DISTRICT

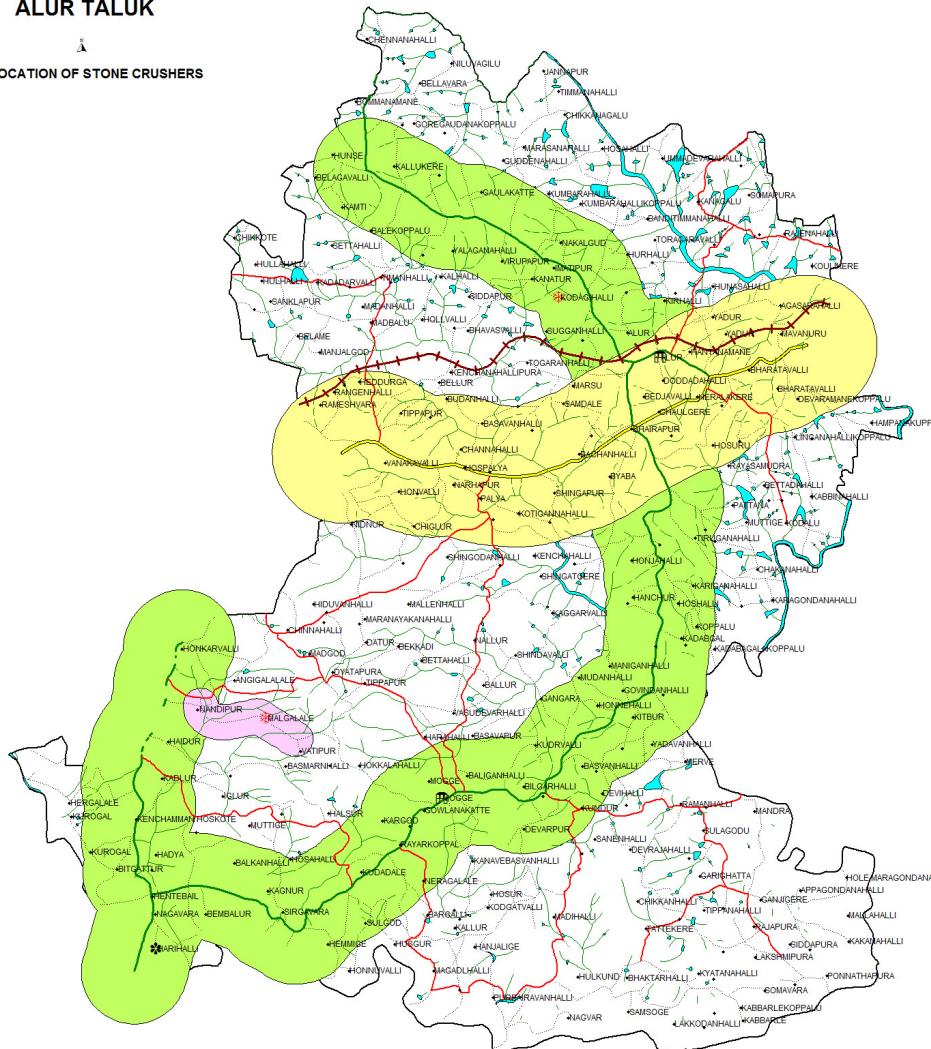
LOCATION OF STONE CRUSHERS



PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

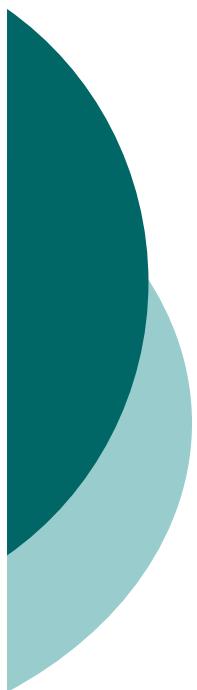
ALUR TALUK

LOCATION OF STONE CRUSHERS



PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

- NATIONAL HIGHWAY
- STATE HIGHWAY
- ... LINK ROAD
- WATER BODY
- DRAINAGE
- * STONE CRUSHERS



DODDAGADDUVALLI VILLAGE



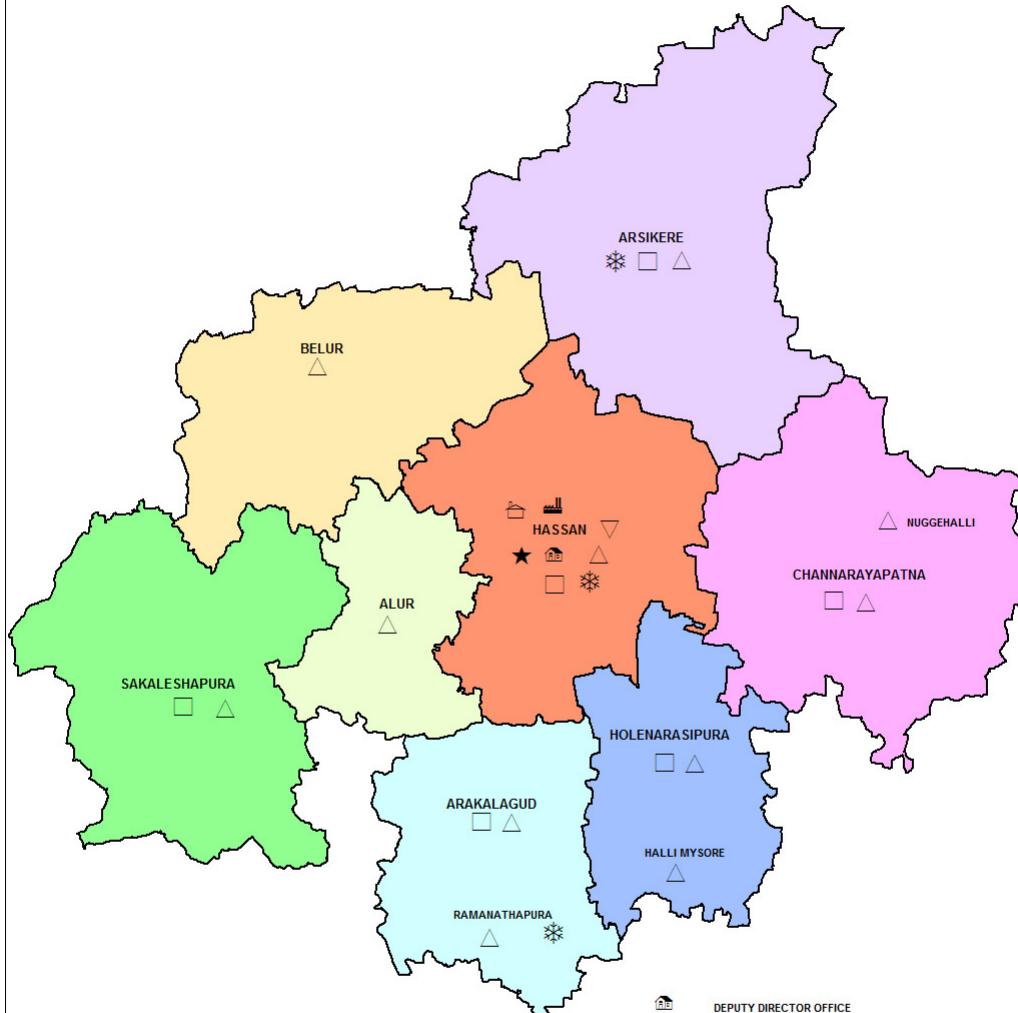
PREPARED AT : NRDMS CENTRE/ZP/HASSAN.



HASSAN DISTRICT



MAP SHOWING SERICULTURE INSTITUTIONS



- DEPUTY DIRECTOR OFFICE
- MODEL GRAINAGE
- TRAINING INSTITUTE
- ASSISTANT DIRECTOR OFFICE
- GOVERNMENT SILK FARM
- COCOON MARKET
- TECHNICAL SERVICE CENTRE(EXTN.)
- TECHNICAL SERVICE CENTRE(REELING)

PREPARED AT: NRDMS CENTRE/ZP/HASSAN.

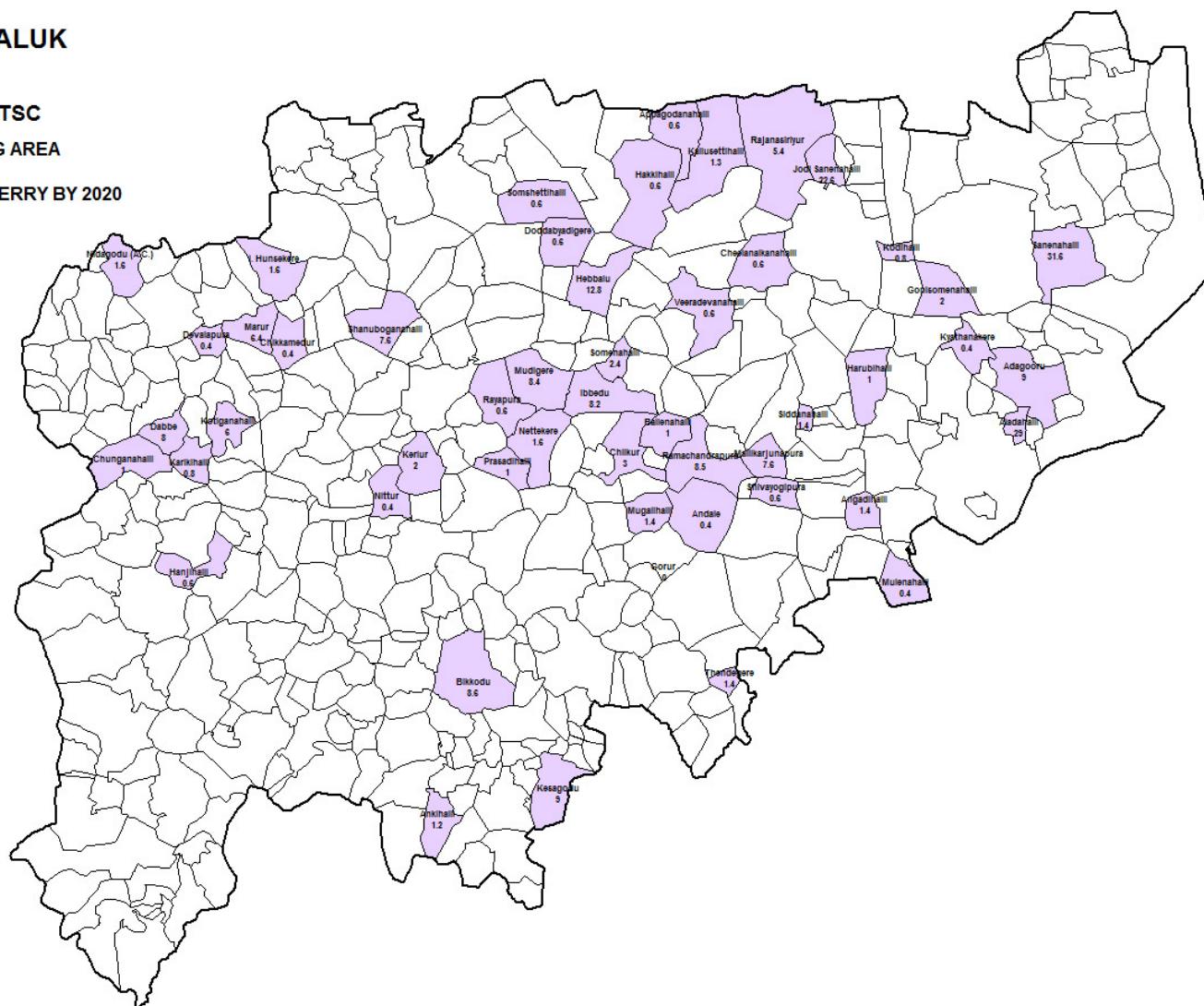
BELUR TALUK



BELUR TSC

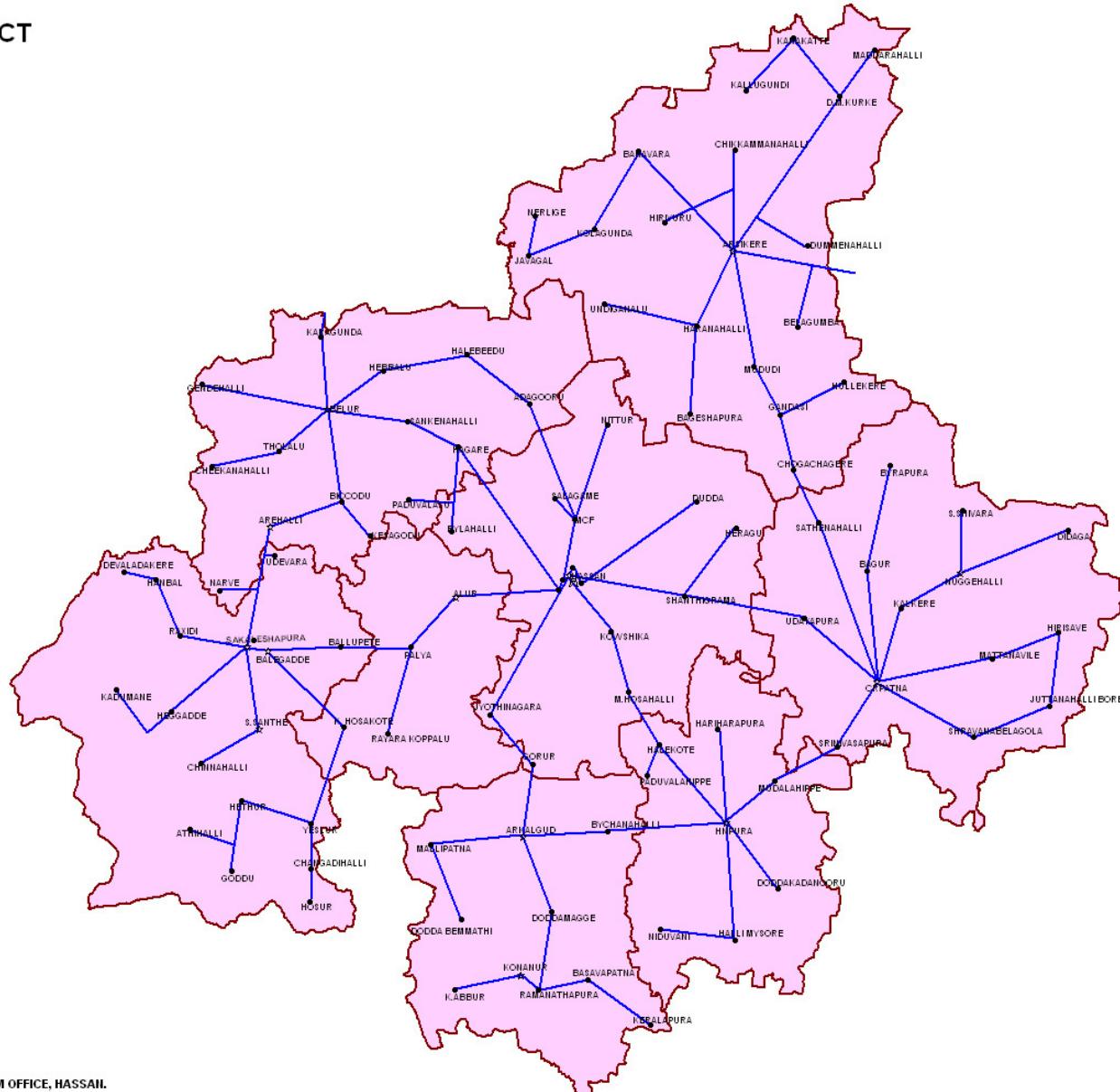
MAP SHOWING AREA

UNDER MULBERRY BY 2020



HASSAN DISTRICT

OFC MAP OF HASSAN SSA



DATA SOURCE : AGM, DISTRICT TELECOM OFFICE, HASSAII.

PREPARED AT : NRDMS CENTRE/ZP/HASSAN.

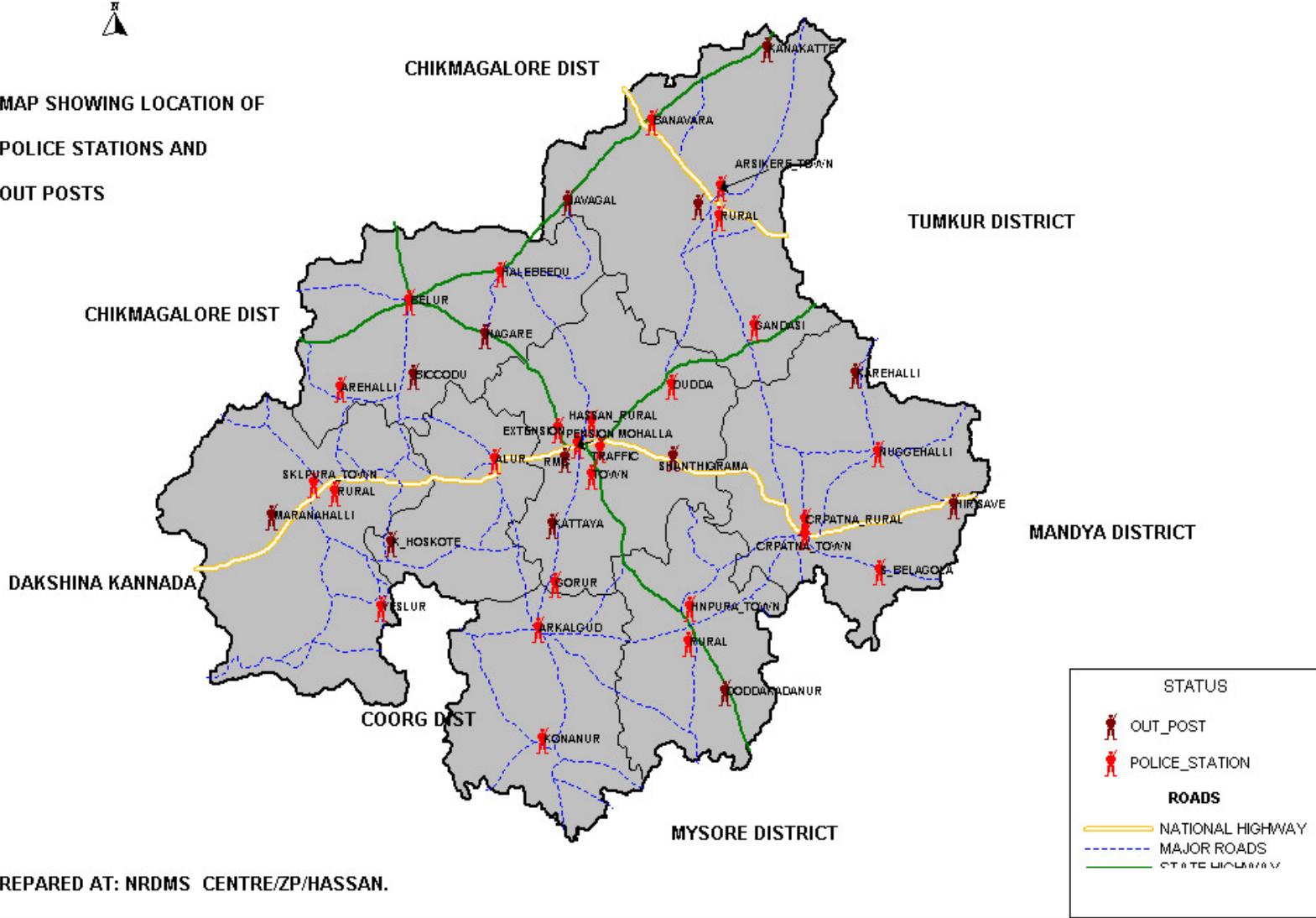
LEGEND

- TELEPHONE EXCHANGE
 - ▲ MICROWAVE STATION
 - ★ VLL BTS

 OFC PATH

HASSAN DISTRICT

**MAP SHOWING LOCATION OF
POLICE STATIONS AND
OUT POSTS**





THANK YOU
