# Modus Operandi of a FOSS GIS project in India
## *R.K. Vundavalli, S.N. Rao, N.S Prasad*

## AIMS

**Bringing GIS to the people** for

Planning
Transparent administration
Capacity Building
Employment potential
Use and localisation with Open Source GIS
People Participatory GIS (PPGIS)

**Rajahmundry**
Andhra Pradesh • India

Rajahmundry

Coordinates: 16.98, 81.78

Time zone    IST (UTC+5:30)

# Determinants for GIS Implementation in INDIA

GIS in INDIA

## Teaching of GIS:
Capacity building in GIS is decades old but attempts for the horizontal spread in this vast ancient country is a few years old.

## Spread of GIS Projects:
The penetration of GIS technology in India is only restricted to big cities alone with a few projects here and there around educational Institutes, and space application centers.

## Open Source GIS as a catalyst:
The scenario is going to change with introduction of Open Source GIS Which is a, 'NO COST' GIS for India's billion population.

# Starting an Open GIS revolution

**Funding** agencies:

**D**epartment of **S**cience and **T**echnology

**U**niversity **G**rants **C**ommission

**N**ational **S**patial **D**ata **I**nfrastructure

**I**ndian **S**pace **R**esearch **O**rganisation

**N**ational **R**emote **S**ensing **A**gency

**MPLADS** (funds for developing parliamentary constituency)

……… Many more agencies waiting to fund………..

**MP**LADS **was chosen from a parliamentarian** who is an outspoken **supporter**
Of **Open Source** Software

# **Theme** of the Open GIS Project

- To **Entice** AGENCIES that can benefit by Explaining..
- **Why** do we need **GIS** ?
- **How** to devise a **GIS** ?
- Who is the **beneficiary** ?
- What is the **cost** and **manpower** requirement **?**
- **Proprietary or Open Source GIS**?

Map of Rajahmundry Parliamentary constituency
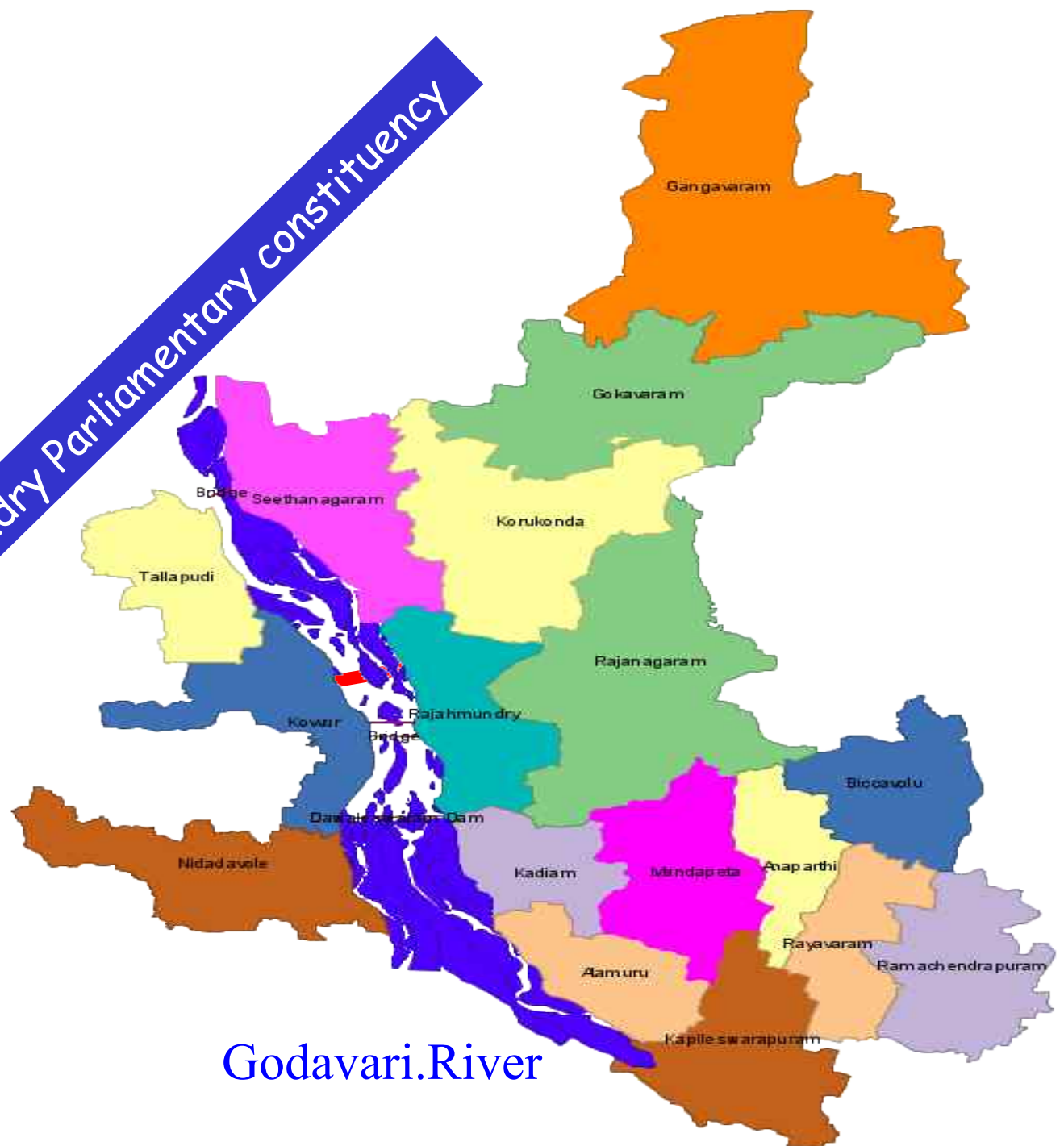
# Focus of Rajahmundry MP constituency GIS

**City's GIS**

To make planners understand the importance

Themes for ready use identified

**Capacity building**

10 students of Geoinformatic identified their Projects with Open GIS

# Themes identified

**Flood** Information

Urban **Water** Supply

Urban **Education**

Urban **Health**

Urban **Electricity**

Urban **Slum** **Information**

Urban **Policing**

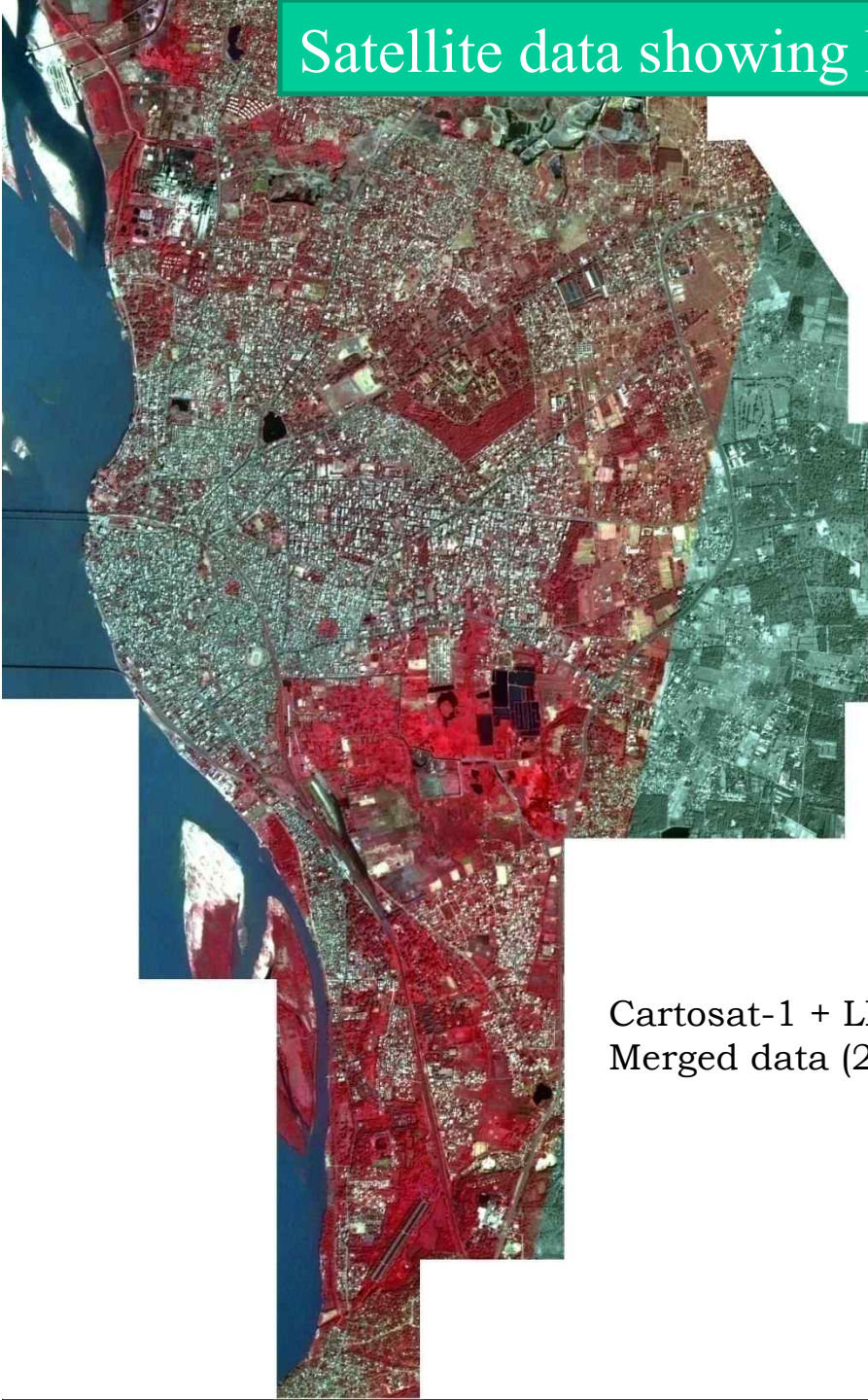Rajahmundry **Parks** and **Toilets**

## Data Used

- IRS-P5 Cartosat-1 (PAN) – 2.5m resolution
- IRS-P6 LISS-IV multi Spectral – 5.8m (resolution)
- Ikonos (1m resolution)
- TM Satellite data
- Rajahmundry Urban Cadastral Map
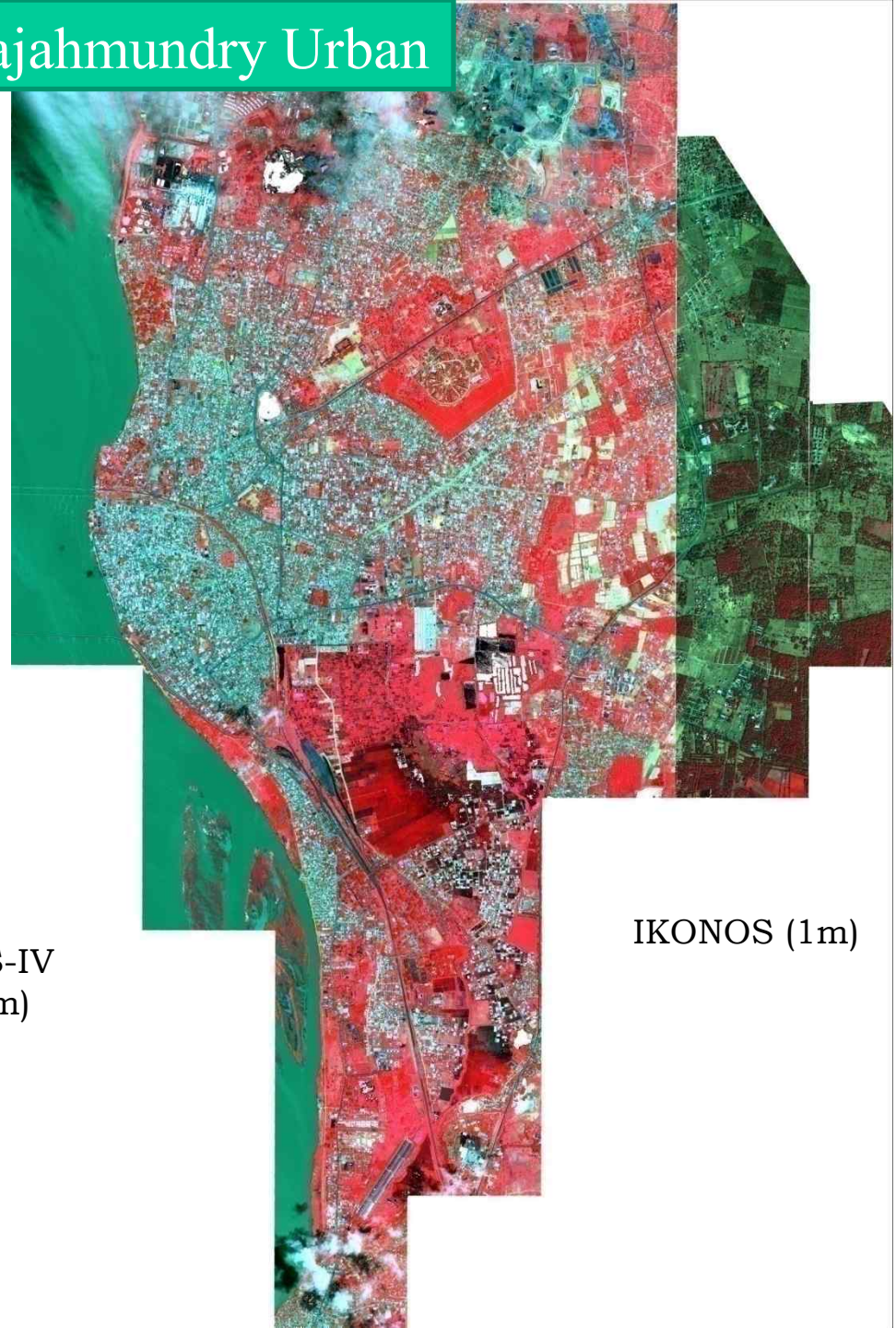- GPS points
- DXF vector data available for city

## Human resource

Ten 4th semester Geoinformatics students of AKN University

Satellite data showing Rajahmundry Urban

Cartosat-1 + LISS-IV
Merged data (2.5m)

IKONOS (1m)

IKONOS

Digitized buildings

# Field data collected:

In Rajahmundry Urban *1700 points* were collected using *G.P.S* and prepared a *point layer* containing various utility services( like *Government Offices,* Education facilities, *Hospitals,* Blood banks, Banks & ATMs, Temples, *Electric Sub-Stations,* Post Offices, E-seva Centres, Petrol Bunks, Function Halls etc.,).
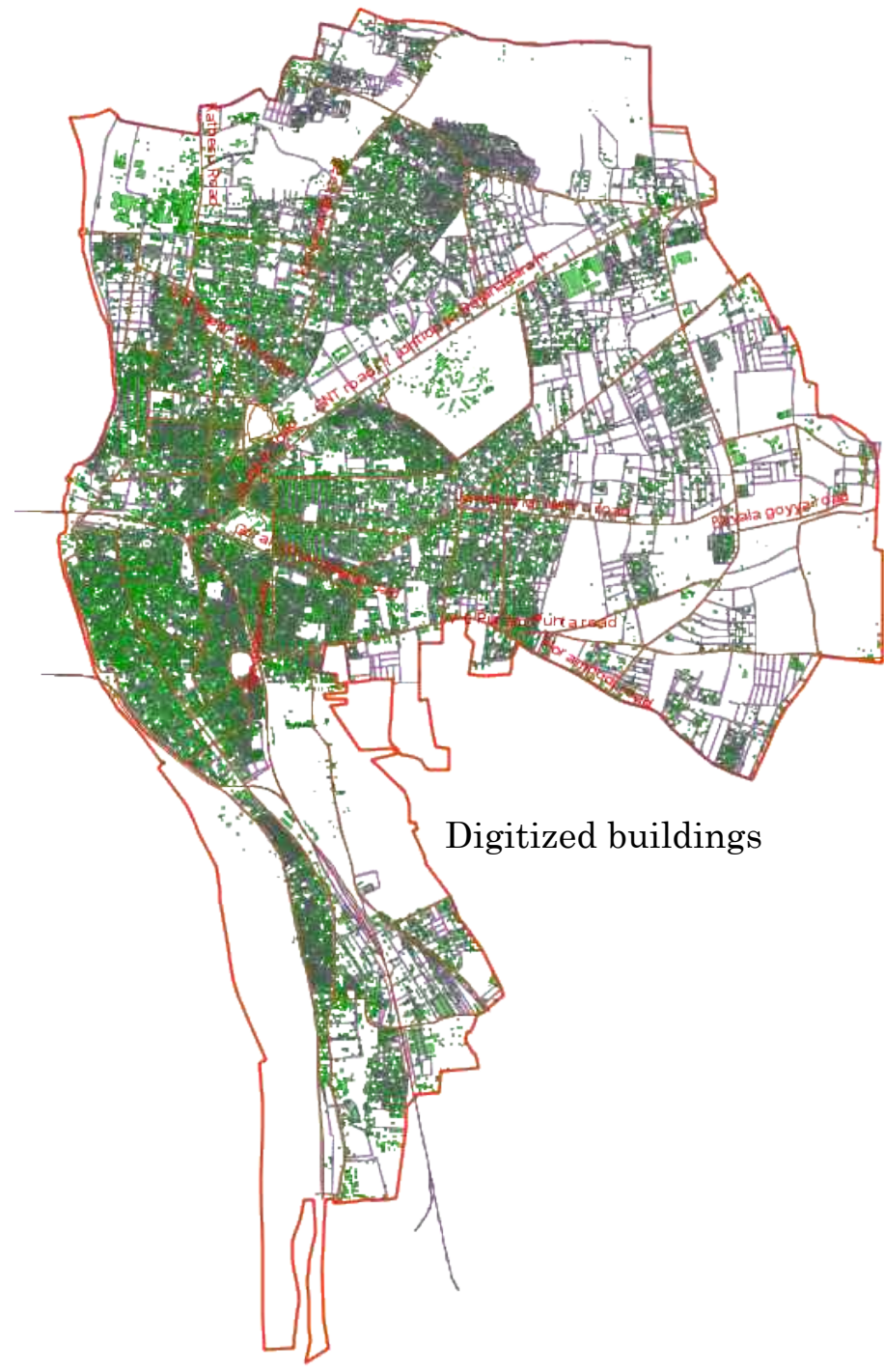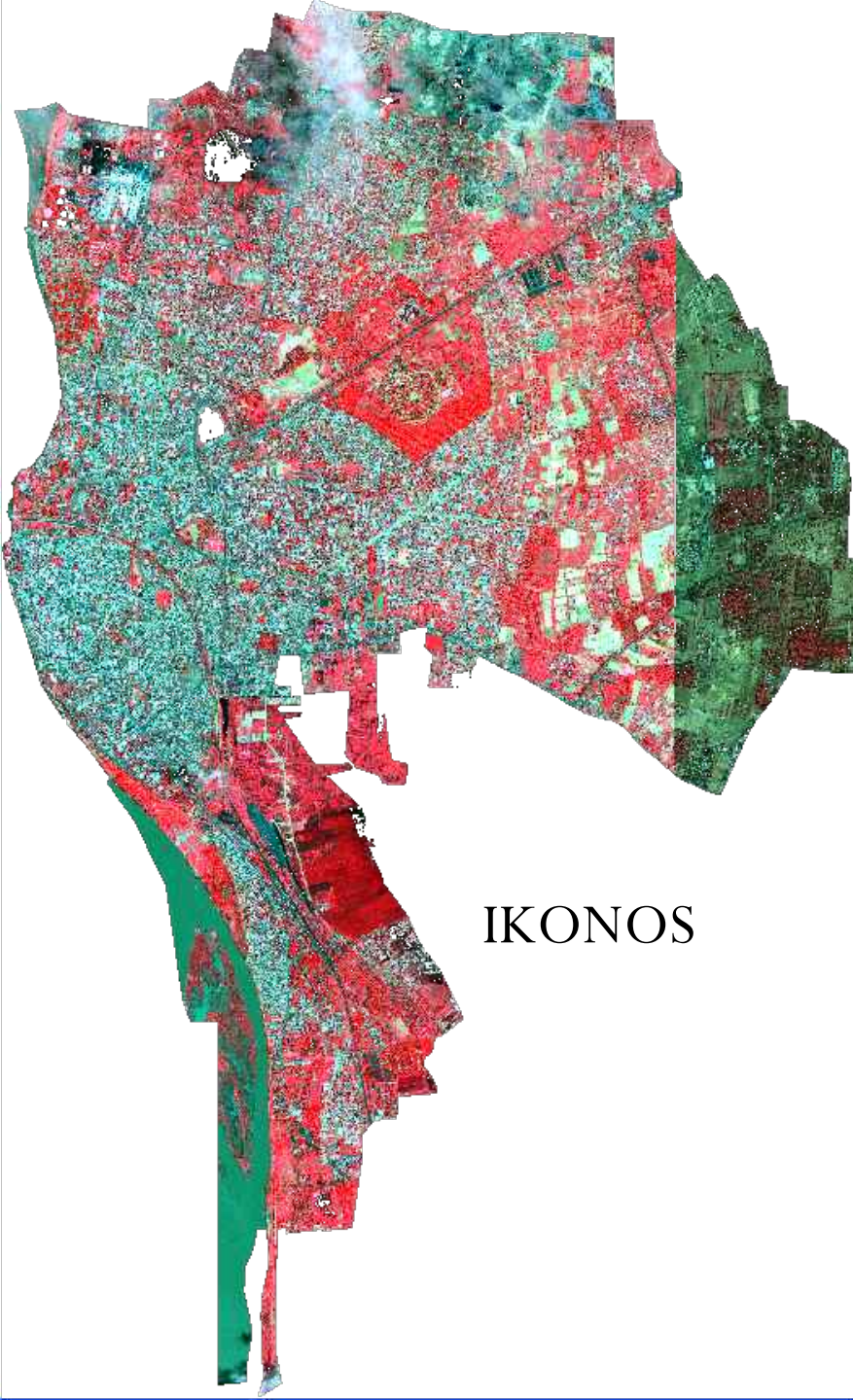
# The result of six months of building GIS

- This is the presentation of the **FINISHED**
- **GIS** Dataset
- It was demonstrated through various
- Queries to the administrators through a **five day training**, forming an integral part of the project.
- Their **feed back has encouraged** OSGeo India chapter to take-up more such projects.

# Flood Information
## Contours



Rajahmundryboundary
Rajahmundry Contours
30-40 m
41-50
51-60
61-70
71-80
81-93

3D
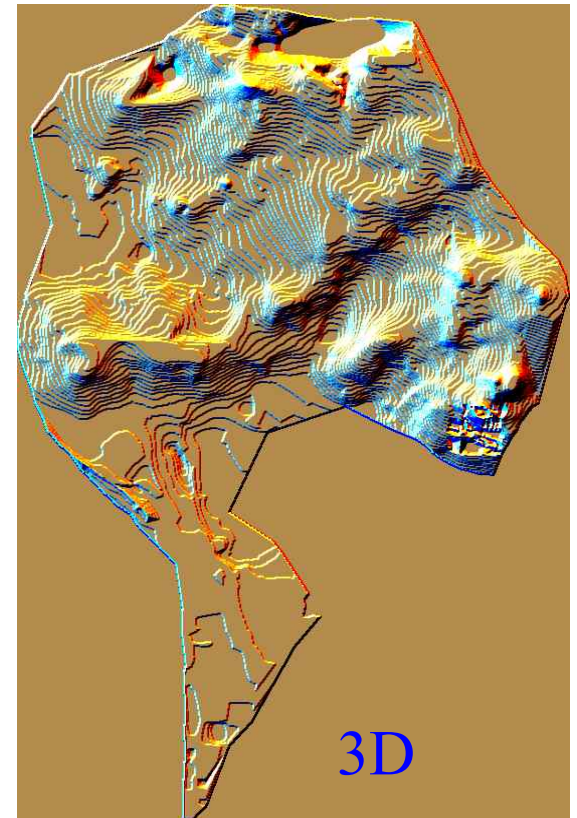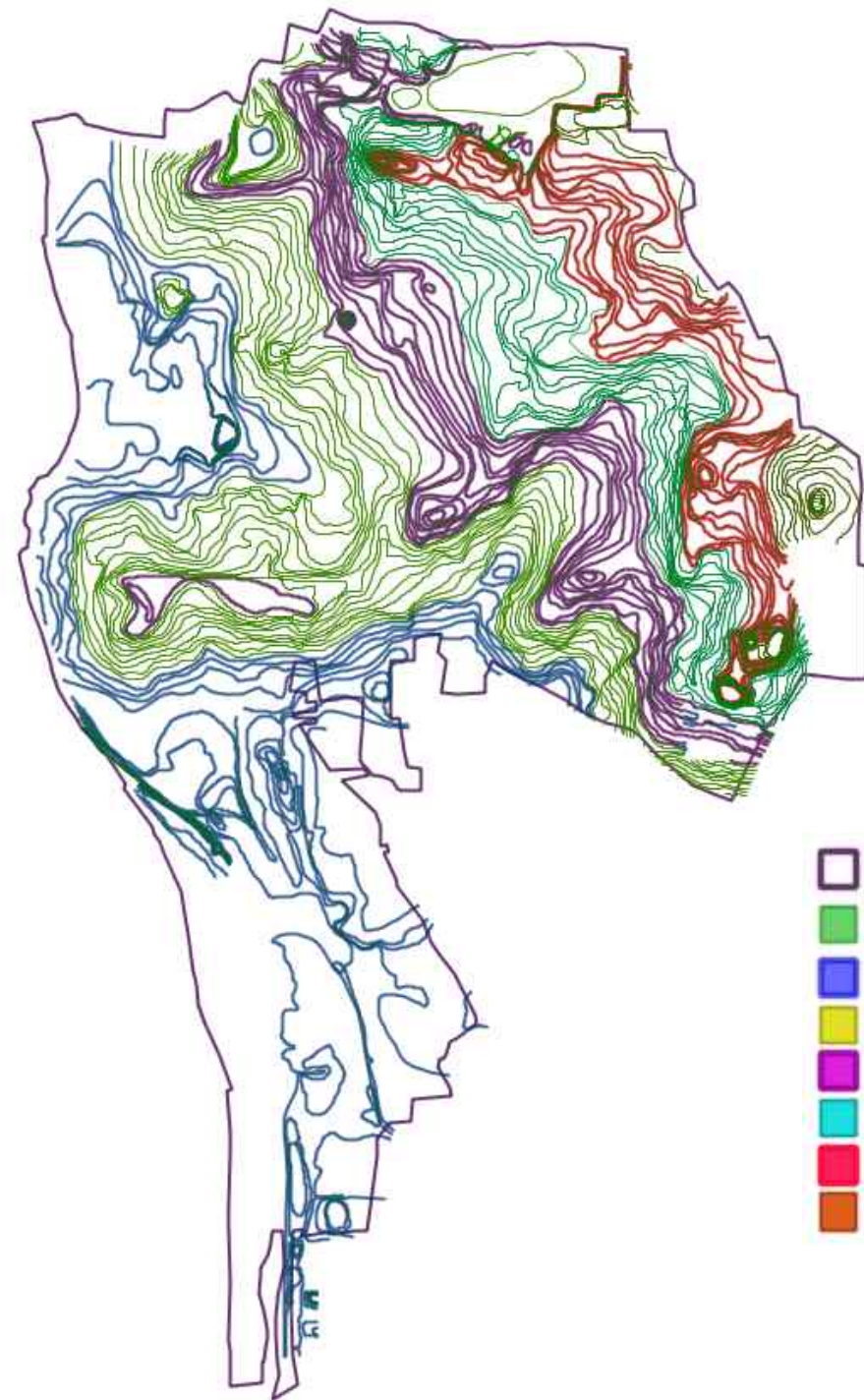
# Contour Interpolation

Flood Inundation Areas 30-35m contours interval

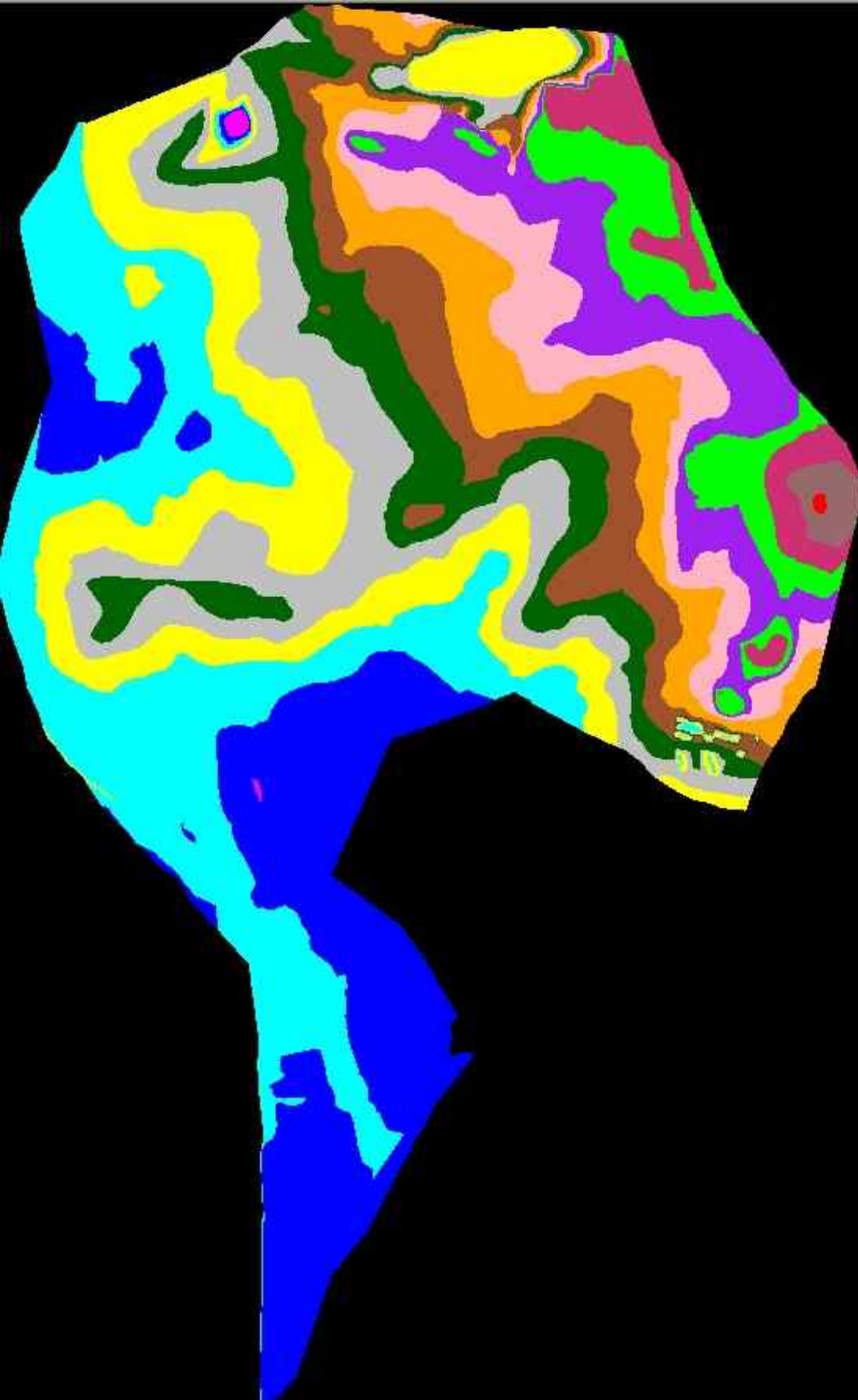| Color | Meters |
|---|---|
| | <30 Meters |
| | 30-35 |
| | 35-40 |
| | 40-45 |
| | 45-50 |
| | 50-55 |
| | 55-60 |
| | 60-65 |
| | 65-70 |
| | 70-75 |
| | 75-80 |
| | 80-85 |
| | 85-90 |
| | 90-93 |

Aryapuram
Kotilingala peta
Lingam peta
Krishna nagar
Subbarayapuram
Lalithanagar
Veerabhadrapuram
Ademma Dibba
Ramachandraraopeta
Korlam peta
Kambala peta
Alcot gardens
Swarajyanagar
Seshayyametta

# Flood Impact Zones
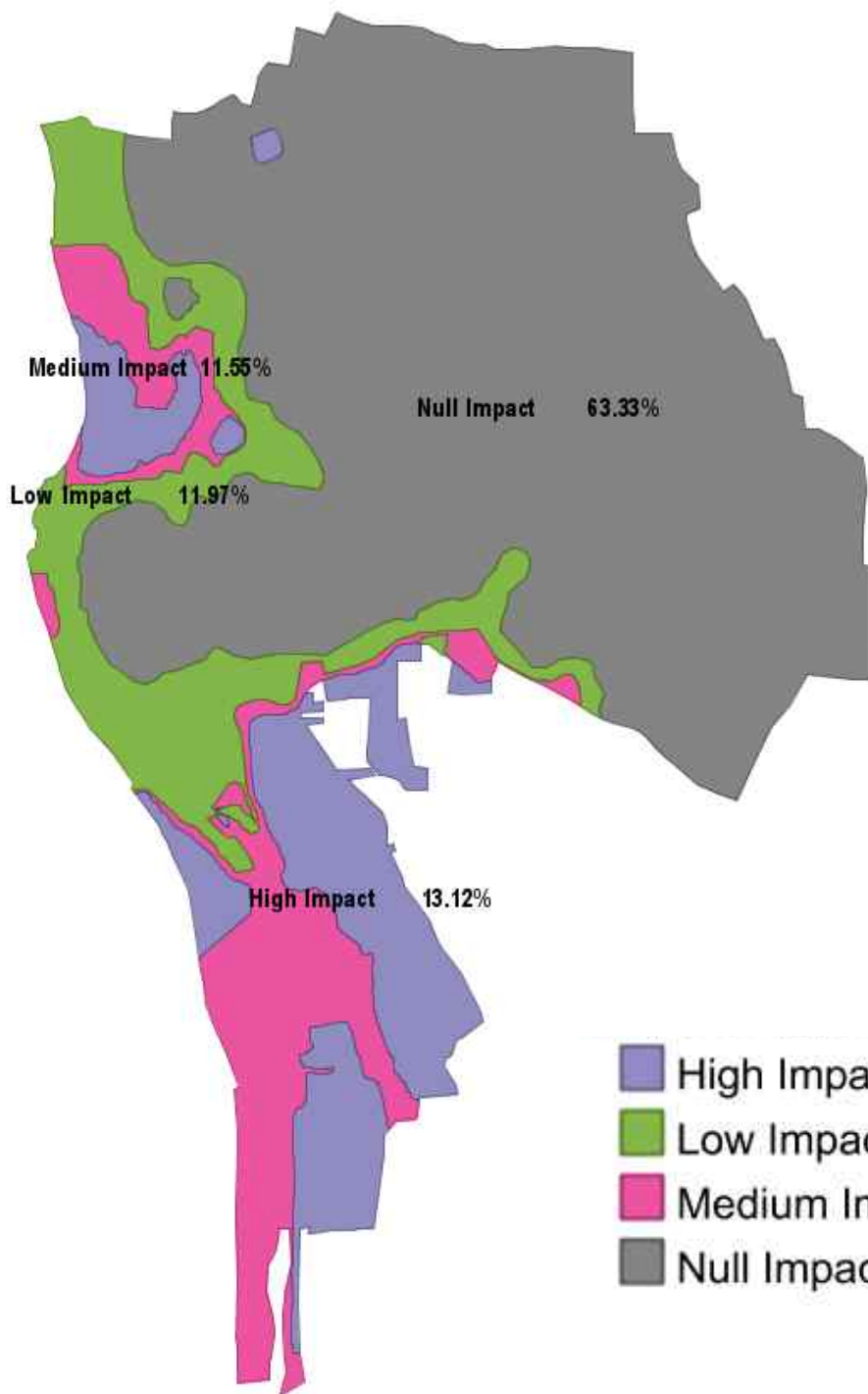


Attributes: Flood Effected area(%)

**Flood Effected area(%) (4 Features)**

| .. | FID | Flood impac | Area(Sq.Km) | Classificat | Area(%) | |
|---|---|---|---|---|---|---|
| | 39 | High Impact | 3.42 | 0-35 | High Impact | 13.12% |
| | 40 | Low Impact | 3.12 | 36-40 | Low Impact | 11.97% |
| | 38 | Medium Impact | 3.01 | 35-36 | Medium Impact | 11.55% |
| | 37 | Null Impact | 16.5 | 40-93 | Null Impact | 63.33% |

- High Impact     13.12%
- Low Impact     11.97%
- Medium Impact   11.55%
- Null Impact      63.33%

Elevation wise
Classification of Flood Impact Zones
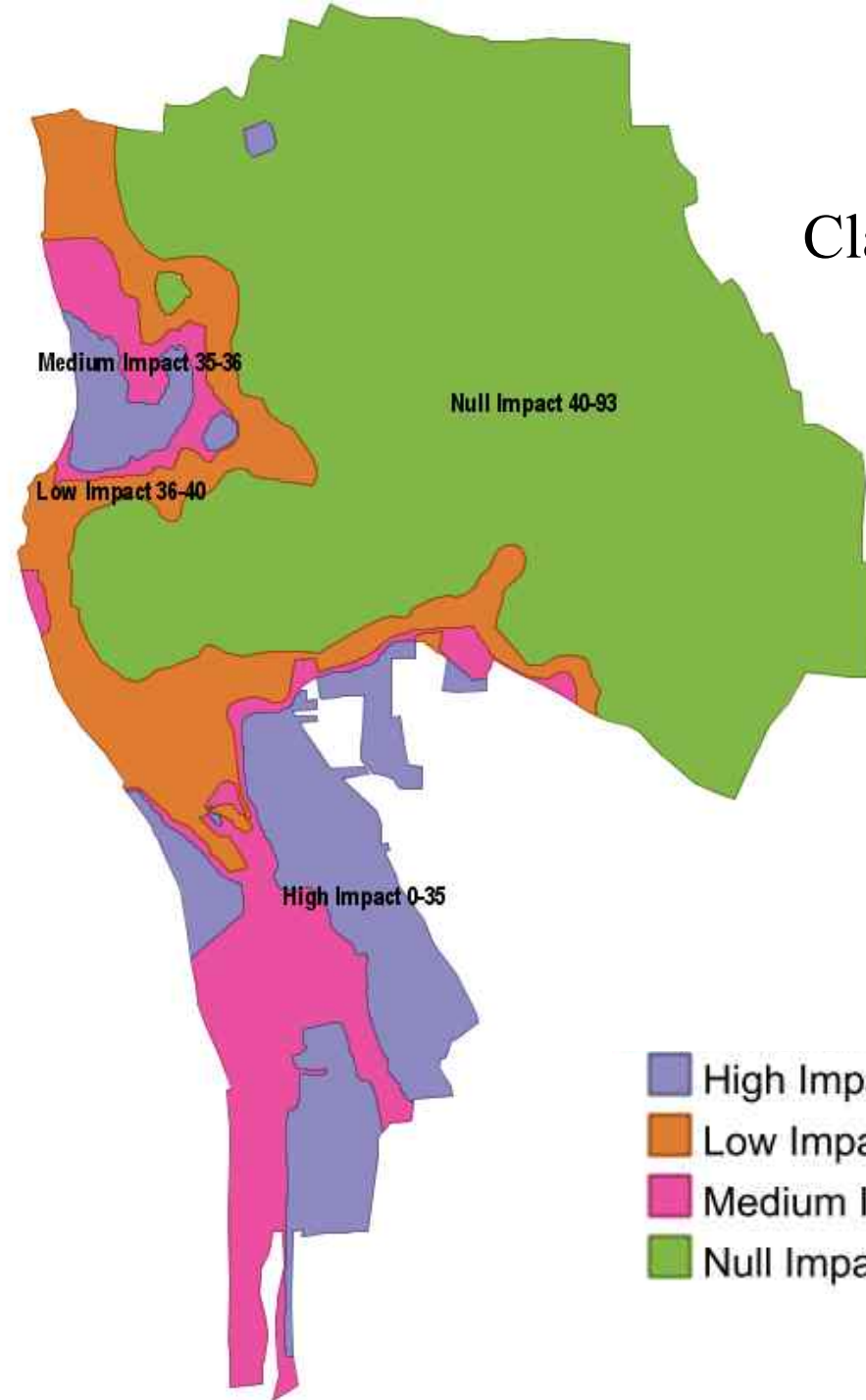
Medium Impact 35-36

Null Impact 40-93

Low Impact 36-40

High Impact 0-35

Attributes: FLood effected area

FLood effected area (4 Features)

| . | FID | Flood impac | Area(Sq,Km) | Classificat |
|---|---|---|---|---|
| | 1 | Null Impact 40-93 | 16,5 | 40-93 |
| | 2 | Medium Impact 35-36 | 3,01 | 35-36 |
| | 3 | High Impact 0-35 | 3,42 | 0-35 |
| | 4 | Low Impact 36-40 | 3,12 | 36-40 |

High Impact 0-35
Low Impact 36-40
Medium Impact 35-36
Null Impact 40-93

# Slums Prone to Flood



Legend:
- Slums-in null impact
- Slums-in low impact
- slums_in middle impact
- Slums-in high impact
- FLood effected area
- High Impact
- Low Impact
- Medieum Impact
- Null Impact

Map labels: Medium Impact, Null Impact, Low Impact, High Impact
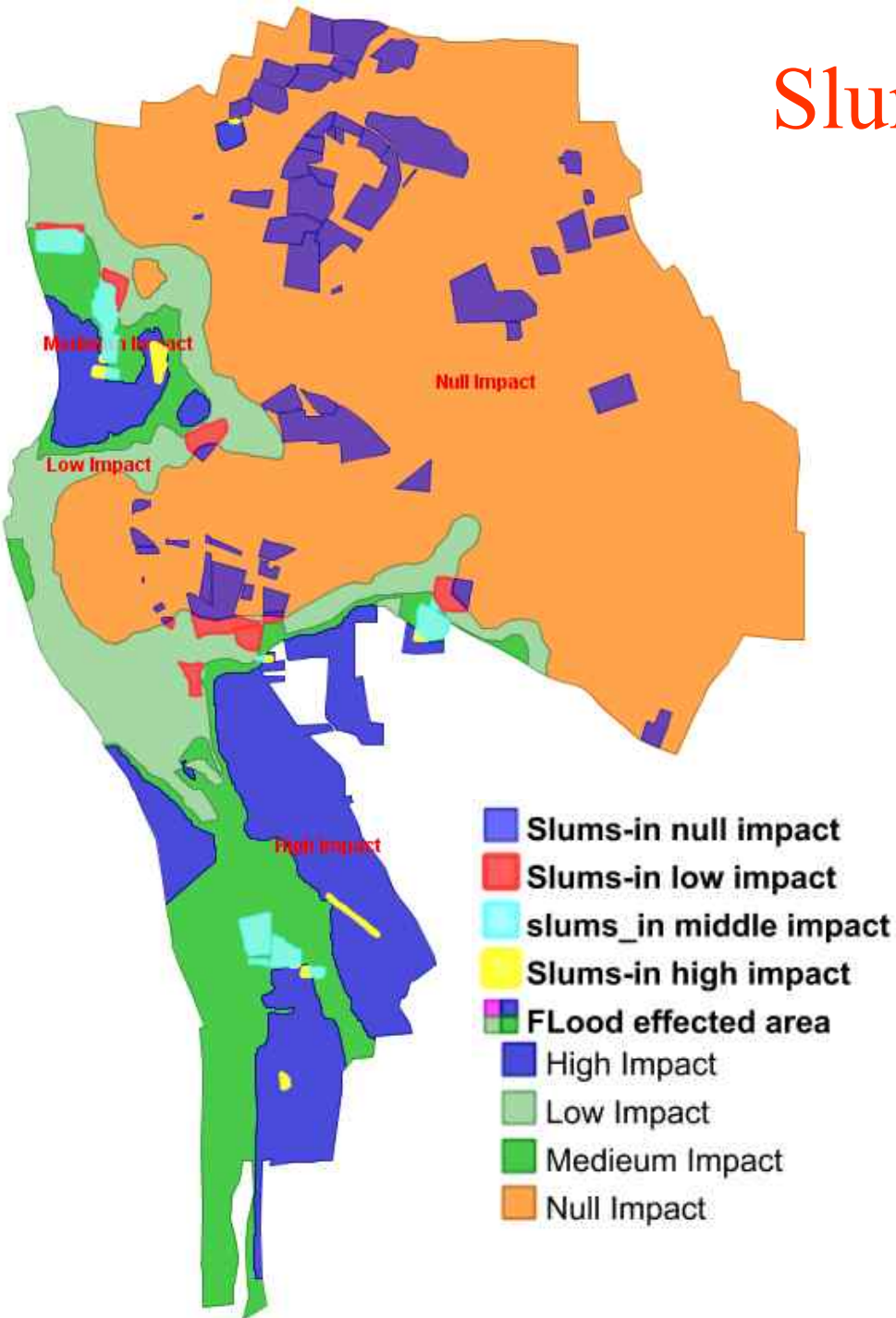
**Attributes: Slums-in high impact**

Slums-in high impact (10 Features)

| FID | code | name | Ward No | Population | Own Pattas |
|-----|------|------|---------|-----------|-----------|
| 1886 | 63 | Lingam Peta | 39 | 1320 | 0 |
| 1887 | 66 | Indira Nagar | 45 | 1750 | 350 |
| 1888 | 55 | VL Puram ... | 10 | 680 | 155 |
| 1889 | 5 | Balaji Peta | 16 | 1281 | 190 |
| 1890 | 34 | RCM Scho... | 17 | 405 | 51 |
| 1891 | 8 | Bogguladi... | 17 | 981 | 62 |
| 1892 | 64 | Aademma ... | 36 | 4260 | 0 |
| 1893 | 59 | Krishna N... | 39 | 4450 | 890 |
| 1894 | 52 | Veerabha... | 16 | 703 | 161 |
| 1895 | 50 | Swarjya N... | 18 | 303 | 25 |

**Attributes: slums_in middle impact**

slums_in middle impact (14 Features)

| FID | code | name | Ward No | Population | Own Pattas |
|-----|------|------|---------|-----------|-----------|
| 1896 | 25 | Kotilingala Peta | 41 | 2219 | 202 |
| 1897 | 63 | Lingam Peta | 39 | 1320 | 0 |
| 1898 | 57 | Krishna Rao ... | 27 | 5750 | 0 |
| 1899 | 55 | VL Puram Ext... | 10 | 680 | 155 |
| 1900 | 54 | V L Puram | 10 | 970 | 68 |
| 1901 | 34 | RCM School ... | 17 | 405 | 51 |
| 1902 | 8 | Bogguladibba | 17 | 981 | 62 |
| 1903 | 7 | Bathinavari s... | 18 | 125 | 2 |
| 1904 | 58 | Alcot Gardens | 18 | 6250 | 0 |
| 1905 | 24 | Kambalapeta | 5 | 1800 | 130 |
| 1906 | 10 | Bruhannalapeta | 40 | 1421 | 0 |

**Attributes: Slums-in low impact**

Slums-in low impact (10 Features)

| FID | code | name | Ward No | Population | Own Pattas | T |
|-----|------|------|---------|-----------|-----------|---|
| 1910 | 25 | Kotilingala Peta | 41 | 2219 | 202 | |
| 1911 | 9 | Brodi Peta | 14 | 7158 | 634 | |
| 1912 | 57 | Krishna Rao ... | 27 | 5750 | 0 | |
| 1913 | 2 | Ambedker Na... | 13 | 575 | 101 | |
| 1914 | 18 | Goleeladibba | 28 | 385 | 54 | |
| 1915 | 54 | V L Puram | 10 | 970 | 68 | |
| 1916 | 24 | Kambalapeta | 5 | 1800 | 130 | |
| 1917 | 35 | Rajendra Nagar | 4 | 8223 | 2 | |
| 1918 | 42 | Seetam peta | 40 | 1907 | 350 | |
| 1919 | 51 | Veerabhdra ... | 16 | 1322 | 107 | |

**Attributes: Slums-in null impact**

Slums-in null impact (58 Features)

| FID | code | name | Ward No | Population | Own Pattas |
|-----|------|------|---------|-----------|-----------|
| 1920 | 66 | Indira Nagar | 45 | 1750 | 350 |
| 1921 | 37 | Ramdas P... | 46 | 2470 | 610 |
| 1922 | 46 | Subba Rao... | 10 | 3162 | 330 |
| 1923 | 38 | Ratnam Peta | 11 | 535 | 121 |
| 1924 | 26 | Mallikarjun... | 21 | 2492 | 246 |
| 1925 | 71 | Narayana ... | 24 | 1260 | 0 |
| 1926 | 45 | Spinning M... | 24 | 1173 | 155 |
| 1927 | 6 | Bathina Na... | 1 | 839 | 158 |
| 1928 | 23 | Jaya Sree ... | 11 | 1610 | 107 |
| 1929 | 47 | Subba Rao... | 3 | 2243 | 194 |
| 1930 | 9 | Brodi Peta | 14 | 7158 | 634 |
| 1931 | 1 | Ambedkar ... | 13 | 1103 | 166 |
| 1932 | 2 | Ambedker ... | 13 | 575 | 101 |

# Utility services prone to Flood

Legend:
- Utility services in high Impact zone
- Utility services in Medium Impact zone
- Utility services inLow impact Zone
- Utility services in null impact zone
- Null impact zone
- Low impact zone
- Medium Impact zone
- High impact zone
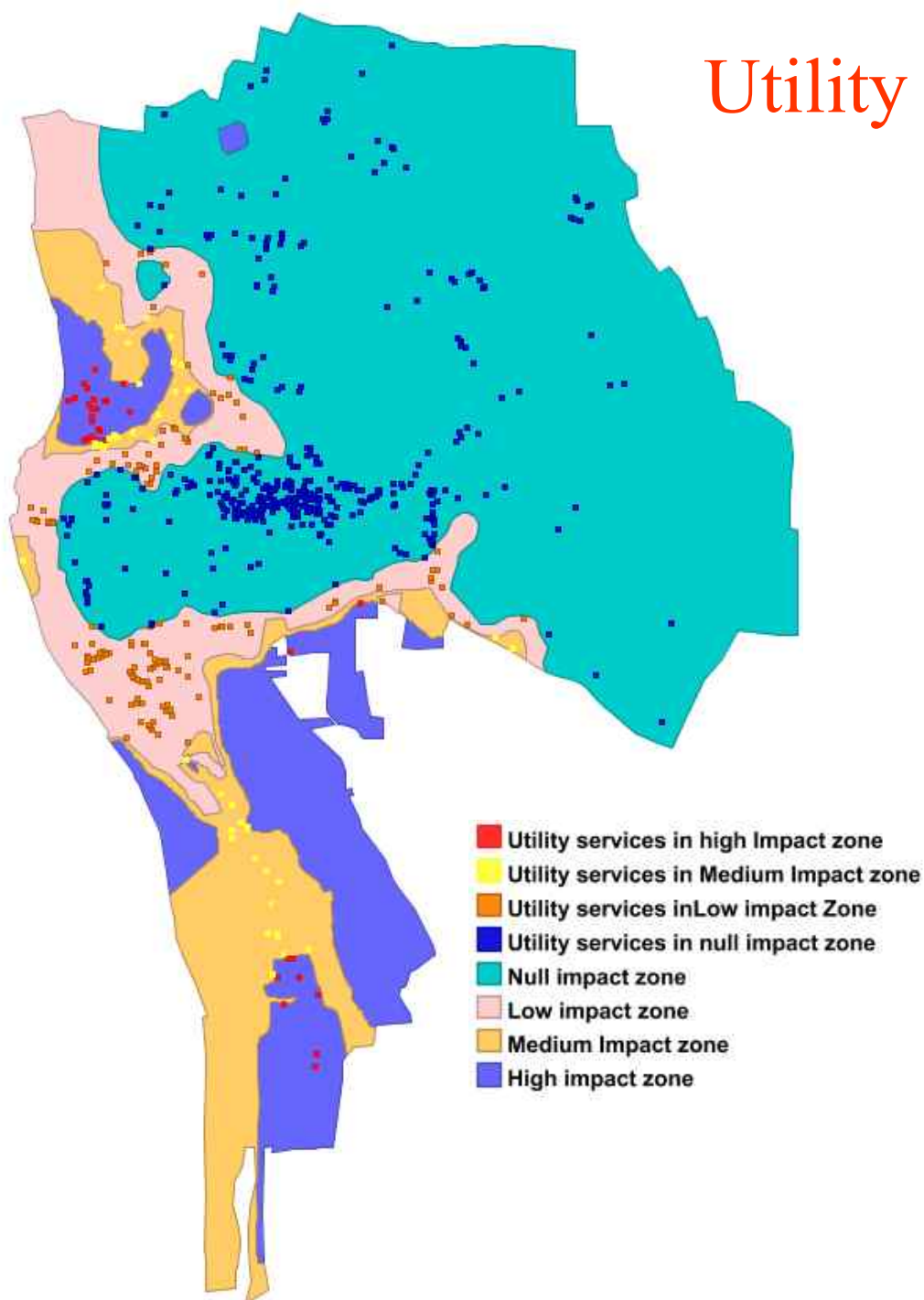
**Attributes: Utility services in high Impact zone**

Utility services in high Impact zone (32 Features)

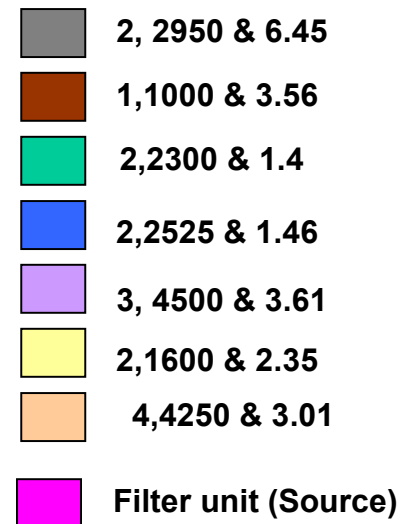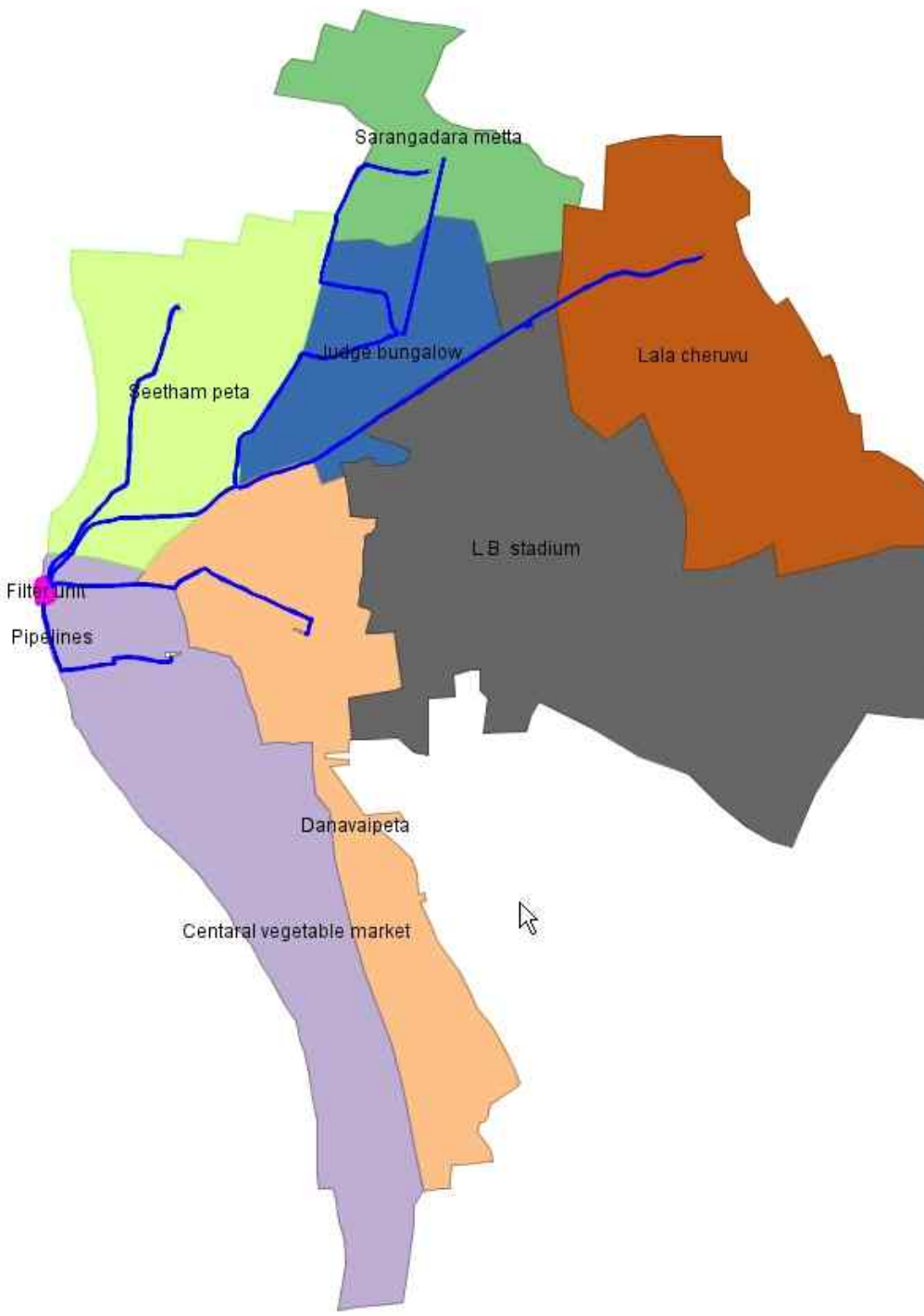| | FID | code | name | address | speciality |
|---|---|---|---|---|---|
| | 5 | 01-01-05-03-00 | CHINULES HOSPITAL | ARYAPURAM 2 STREET | HOSPITAL |
| | 6 | 01-01-05-03-02 | Chunnilal Jajoo Mu... | Nataraj Road | Maternity H... |
| | 7 | 01-01-05-03-02 | LUTHERN GENERA... | NEAR ILTD CENTER,... | HOSPITAL |
| | 8 | 01-01-05-03-00 | SAROJINI DENTAL ... | AARYAPURAM ROAD | DR.GANGIN... |
| | 9 | 01-01-05-03-05 | RAMALAKSHMI ME... | NEAR GOKAVARAM B... | MEDIKAL S... |

**Attributes: Utility services in Medium Impact zone**

Utility services in Medium Impact zone (45 Features)

| | FID | code | name | address | speciality |
|---|---|---|---|---|---|
| | 37 | 01-01-05-03-03 | BOMMANA HOSPITAL | NAGADEVI BACK STREET | DR. B.KRISHNA K... |
| | 38 | 01-01-05-03-01 | SOUTH CENTRAL R... | OPP.MADHAVI-MURTY ... | HEALTH UNIT |
| | 39 | 01-01-05-03-05 | SWATANTRA PHAR... | KAMBALACHERUVU | 24 HOURS |
| | 40 | 01-01-05-03-00 | AKINA DIABETIES | NEAR GOKAVARAM BU... | DR.SURESH BABU... |
| | 41 | 01-01-05-03-05 | MED PLUS | NEAR EIDU BALLA MAR... | MEDICAL SHOP |
| | 42 | 01-01-05-03-02 | PRIMARY HEALTH ... | SITAMPETA | P.H.C |

**Attributes: Utility services inLow impact Zone**

Utility services inLow impact Zone (145 Features)

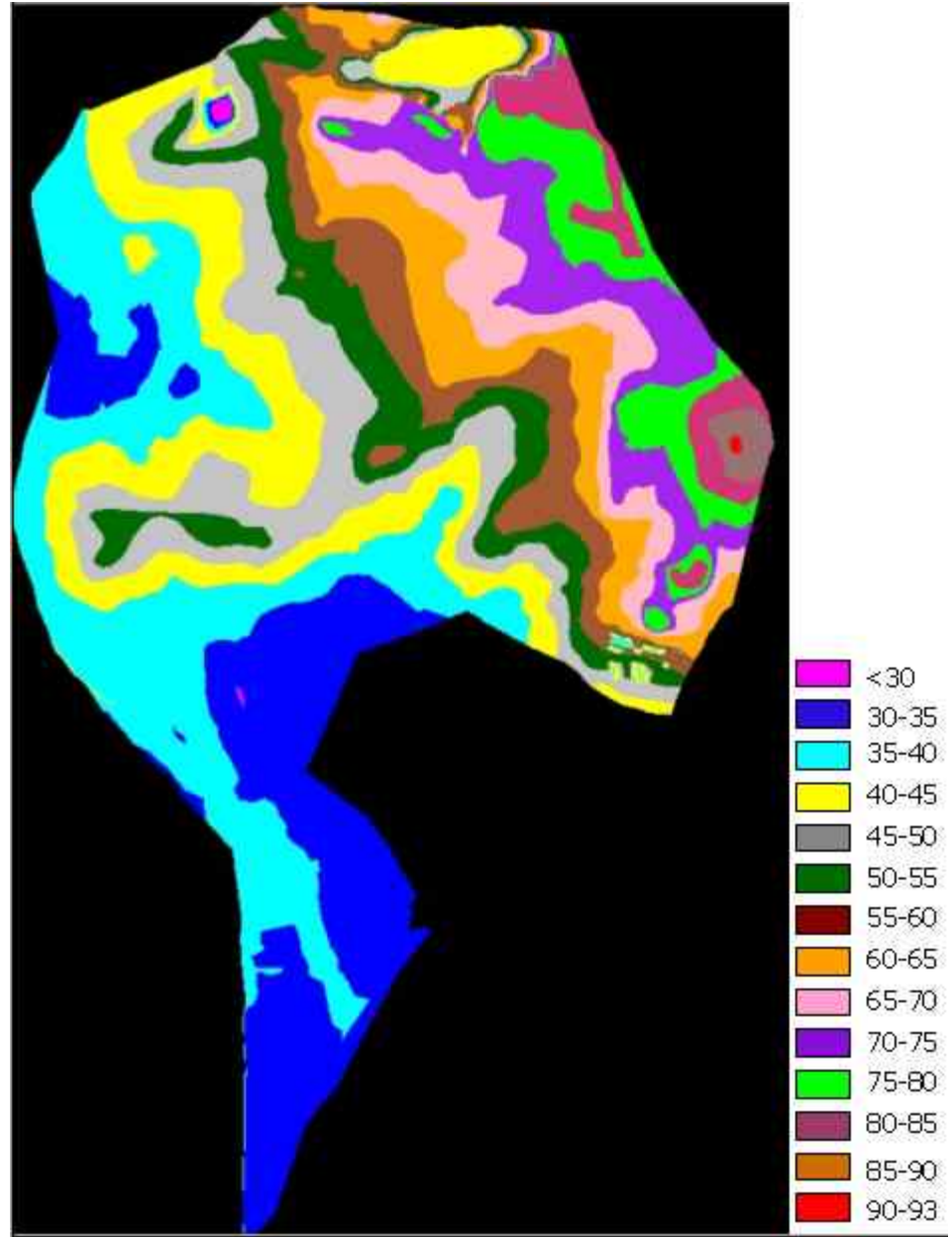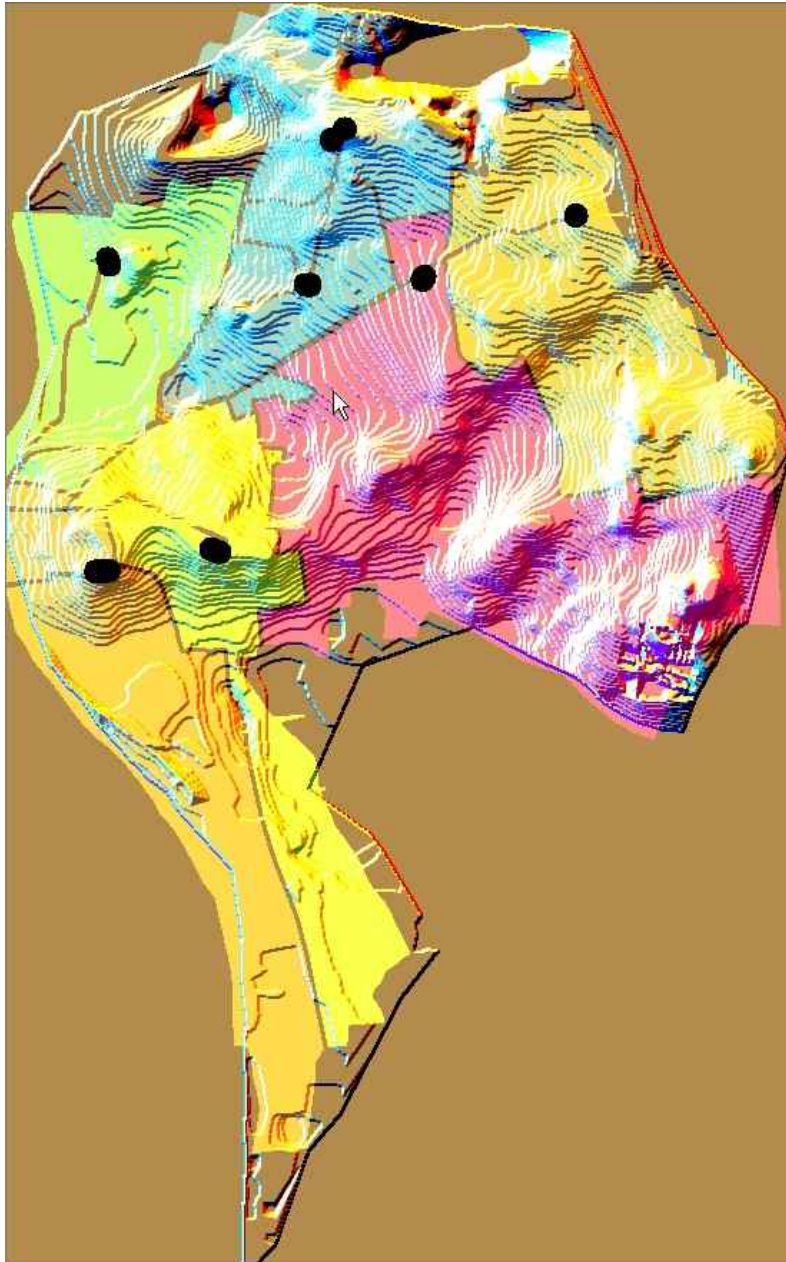| | FID | code | name | address | speciality |
|---|---|---|---|---|---|
| | 82 | 01-01-05-03-00 | VIDHYA CLINIC | VL PURAM | SMALL HOSPITAL |
| | 83 | 01-01-05-03-06 | SRI VENKATE... | RANGREE... | LABORATORY |
| | 84 | 01-01-05-03-01 | EMPLOYEE ST... | SRIRAM N... | EMPLOYEES HO... |
| | 85 | 01-01-05-03-00 | ROHINI DIAG... | NEAR KUM... | DIAGNOSTIC C... |
| | 86 | 01-01-05-03-00 | SRI VENKATE... | RANGREE... | PHYSICIAN AN... |
| | 87 | 01-01-05-03-08 | Govt.Vetarnit... | Near Devi ... | VETARNITY HO... |

**Attributes: Utility services in null impact zone**

Utility services in null impact zone (426 Features)

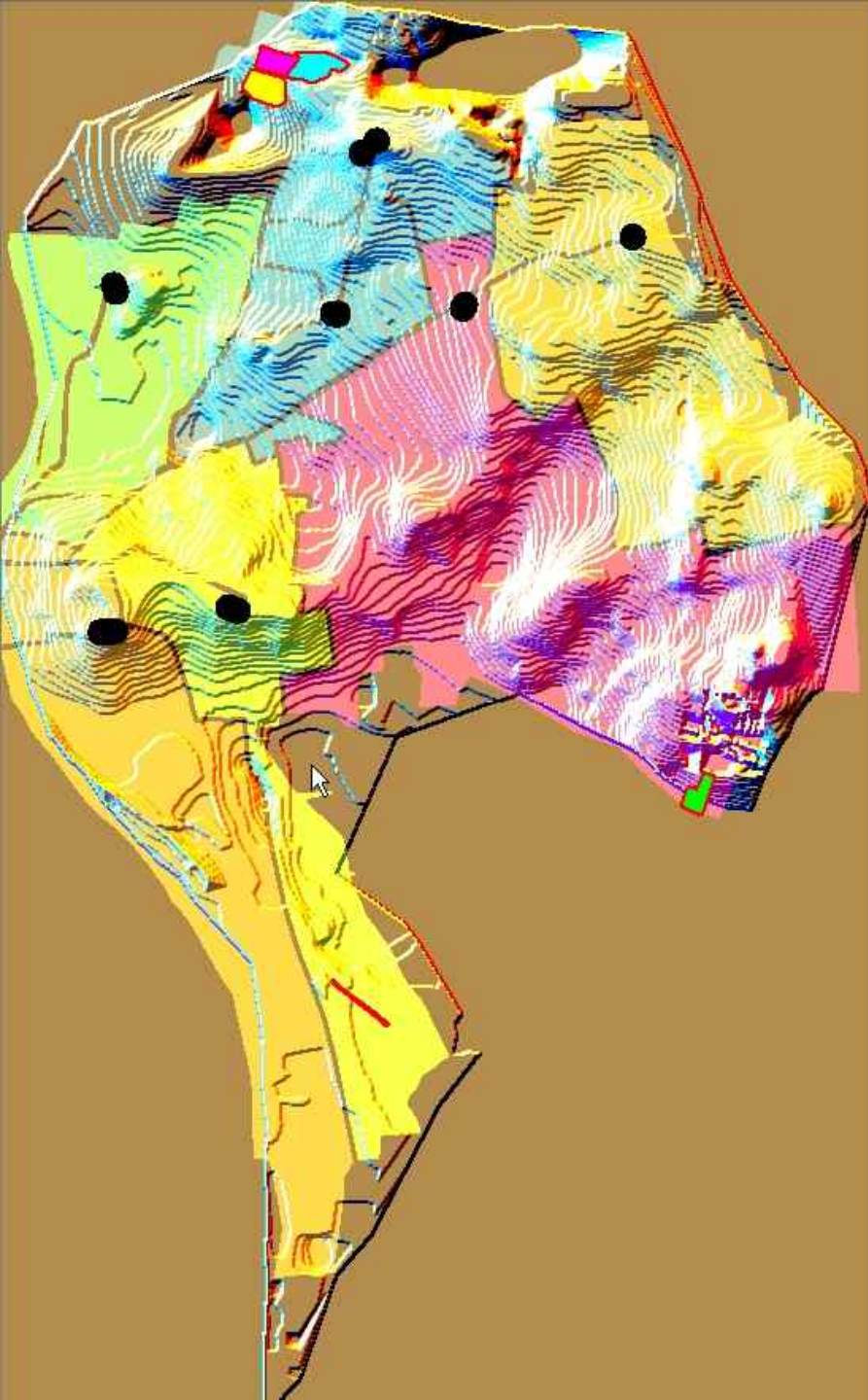| | FID | code | name | address | speciality |
|---|---|---|---|---|---|
| | 227 | 01-01-05-03-05 | RAMAA MEDICAL SHOP | J.N.ROAD | ENGLISH MEDICINE |
| | 228 | 01-01-05-03-00 | PRAGATI HOSPITAL | NEAR PRA... | LAPROSCOPIC S... |
| | 229 | 01-01-05-03-00 | SAROJINI DENTAL H... | DANAVAI... | DR.GANGINA SRI... |
| | 230 | 01-01-05-03-05 | SRI LAKSHMI GANAP... | PRAKASH ... | ENGLISH MEDICINE |
| | 231 | 01-01-05-03-06 | HUMAN DIAGNOSTIC ... | DANAVAIP... | DAIGNOSTIC LAB... |

# Water Supply

No. of Reservoirs, Capacity(kl) & supply area(sq.km)

Sarangadara metta

Judge bungalow

Seetham peta

Lala cheruvu

L B stadium

Filter unit

Pipelines

Danavaipeta

Centaral vegetable market

| | |
|---|---|
| ⬛ | 2, 2950 & 6.45 |
| 🟫 | 1,1000 & 3.56 |
| 🟩 | 2,2300 & 1.4 |
| 🟦 | 2,2525 & 1.46 |
| 🟪 | 3, 4500 & 3.61 |
| 🟨 | 2,1600 & 2.35 |
| 🟧 | 4,4250 & 3.01 |
| 🟪 | Filter unit (Source) |

# Reservoirs with elevation



| | |
|---|---|
| ◼ magenta | < 30 |
| ◼ blue | 30-35 |
| ◼ cyan | 35-40 |
| ◼ yellow | 40-45 |
| ◼ gray | 45-50 |
| ◼ dark green | 50-55 |
| ◼ dark red | 55-60 |
| ◼ orange | 60-65 |
| ◼ pink | 65-70 |
| ◼ purple | 70-75 |
| ◼ green | 75-80 |
| ◼ mauve | 80-85 |
| ◼ brown | 85-90 |
| ◼ red | 90-93 |

**Water supply** locations through **water tankers**

- Anand Nagar
- Balaji Peta
- Gadhireddy Nagar
- Morampudi
- Anand Nagar Extension

**Reservoirs**

# **Education**

## **Wards Having Elementary Schools**





(ward's are municipal divisions)
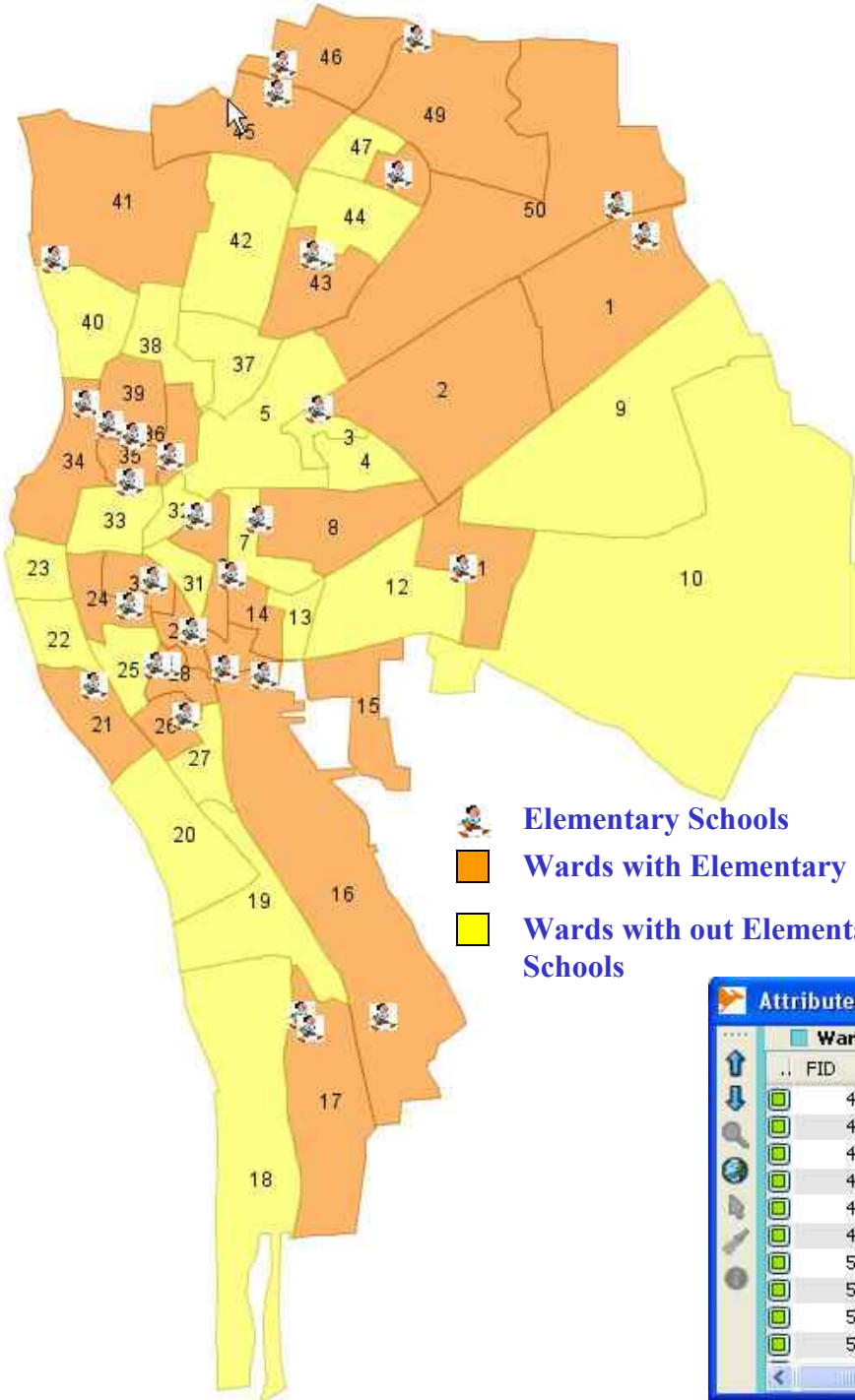
**Elementary Schools**

**Wards with Elementary Schools**

**Wards with out Elementary Schools**

# Wards Having Primary Schools



**Attributes: primary schools_points**

primary schools_points (22 Features)

| name of the school ∧ | TOTAL STREN | TEACHING ST | TEACHING ST | TEACHING ST | address |
|---|---|---|---|---|---|
| ALCOT GARDENS MUNICIPAL UPPER P... | 173 | 8 | 4 | 4 | ALCOT GARDENS,FACTORY VEEDHI |
| CHENNAI LITTLE BURDS CONCEPT SO... | 0 | 0 | 0 | 0 | NEAR PRAKASH NAGAR ROUND PARK,GA... |
| CITY SPL.MUNCIPAL CORP.UPPER PRI... | 360 | 9 | 8 | 1 | MORAMPUDI |
| EARLY BIRD INTERNATIONAL SCHOOL | 0 | 0 | 0 | 0 | RAJA STREET |
| EARLY BIRDS INTERNATIONAL SCHOOL | 0 | 0 | 0 | 0 | TILAK ROAD, OPP.BABA TEMPLE |
| EURO KIDS PRIMARY SCHOOL | 0 | 0 | 0 | 0 | GANDHI PURAM-II,NEAR PRAKASH NAGA... |
| FREDVONEELS RESDENTIAL U.P.SCH... | 0 | 0 | 0 | 0 | BURMA COLONY |
| GEETAM FUN SCHOOL | 0 | 0 | 0 | 0 | GANDHI PURAM-III,A.V.APPA RAO ROAD |
| JUNIOR BASIC AIDED PRIMARY SCHOOL | 0 | 0 | 0 | 0 | NEAR PRAKASH NAGAR ROUND PARK,GA... |
| Kotilingalapeta M.U.P.S | 242 | 6 | 5 | 1 | Kotilingalapeta |
| LITTLE ROSE CONVENT | 0 | 0 | 0 | 0 | SUBBARAONAGAR,QUARY ROAD |
| M.C.R Moulana Abul Kalam Azad Urdu ... | 178 | 8 | 3 | 5 | Near Budhudu Hospital |
| MUNCIPAL PRIMARY SCHOOL | 258 | 9 | 5 | 4 | SITAMPETA |
| NARAYANAPURAM M U P S | 520 | 10 | 6 | 4 | Narayanapuram |
| ROOTS PRIMARY SCHOOL | 0 | 0 | 0 | 0 | J.N.ROAD,VODAREVULA NAGAR |
| SAMBAVANI | 0 | 0 | 0 | 0 | VIDUT COLONY |
| SAPPAVARI STEREET MUNICIPAL UPP... | 173 | 7 | 4 | 3 | SAPPA VARI VEDHI,NEAR KOTIPALLI BUS... |
| SHANTI BENHAR AIDED UPPER PRIMA... | 0 | 0 | 0 | 0 | KORLMA PETA |
| SRI NATIONAL BASIC SCHOOL | 0 | 0 | 0 | 0 | ANNPURNNAMMA PETA |
| Sri Veeresalingam | 243 | 10 | 6 | 4 | V.T.College beside |
| UTALANKA MUNCIPAL Upper primary ... | 304 | 7 | 4 | 3 | Ananda nagar |
| Veerabhadrapuram M.U.P.S | 322 | 11 | 6 | 5 | Veerabhadrapuram |

Primary Schools

**Wards with Primary Schools**

**Wards without Primary Schools**

**Attributes: Wards Having Primary ...**

**Wards Having Primary schools (17 Features)**

| FID | ward.no | Perimeter | Area (m2) |
|---|---|---|---|
| 111 | 10 | 10748.65 | 3994933.24 |
| 112 | 12 | 3580.46 | 576567.78 |
| 113 | 2 | 4629.28 | 1185778.62 |
| 114 | 37 | 2560.8 | 278356.94 |
| 115 | 9 | 6341.32 | 1581102.07 |
| 116 | 39 | 1745.33 | 201274.15 |
| 117 | 35 | 1491.2 | 113632.31 |

**Attributes: Wards Does not Having ...**

**Wards Does not Having Primary schools (33 F...**

| FID | ward.no | Perimeter | Area (m2) |
|---|---|---|---|
| 78 | 6 | 2526.12 | 178848.73 |
| 79 | 7 | 2544.92 | 195375.94 |
| 80 | 5 | 4298.9 | 604630.13 |
| 81 | 28 | 1696.7 | 114150.6 |
| 82 | 30 | 1588.69 | 146428.66 |
| 83 | 36 | 2474.35 | 165829.39 |
| 84 | 23 | 1559.85 | 153101.85 |
| 85 | 42 | 3330.05 | 596726.95 |
| 86 | 4 | 1927.71 | 179341.39 |
| 87 | 18 | 9228.7 | 1342332.94 |

# Wards Having High Schools
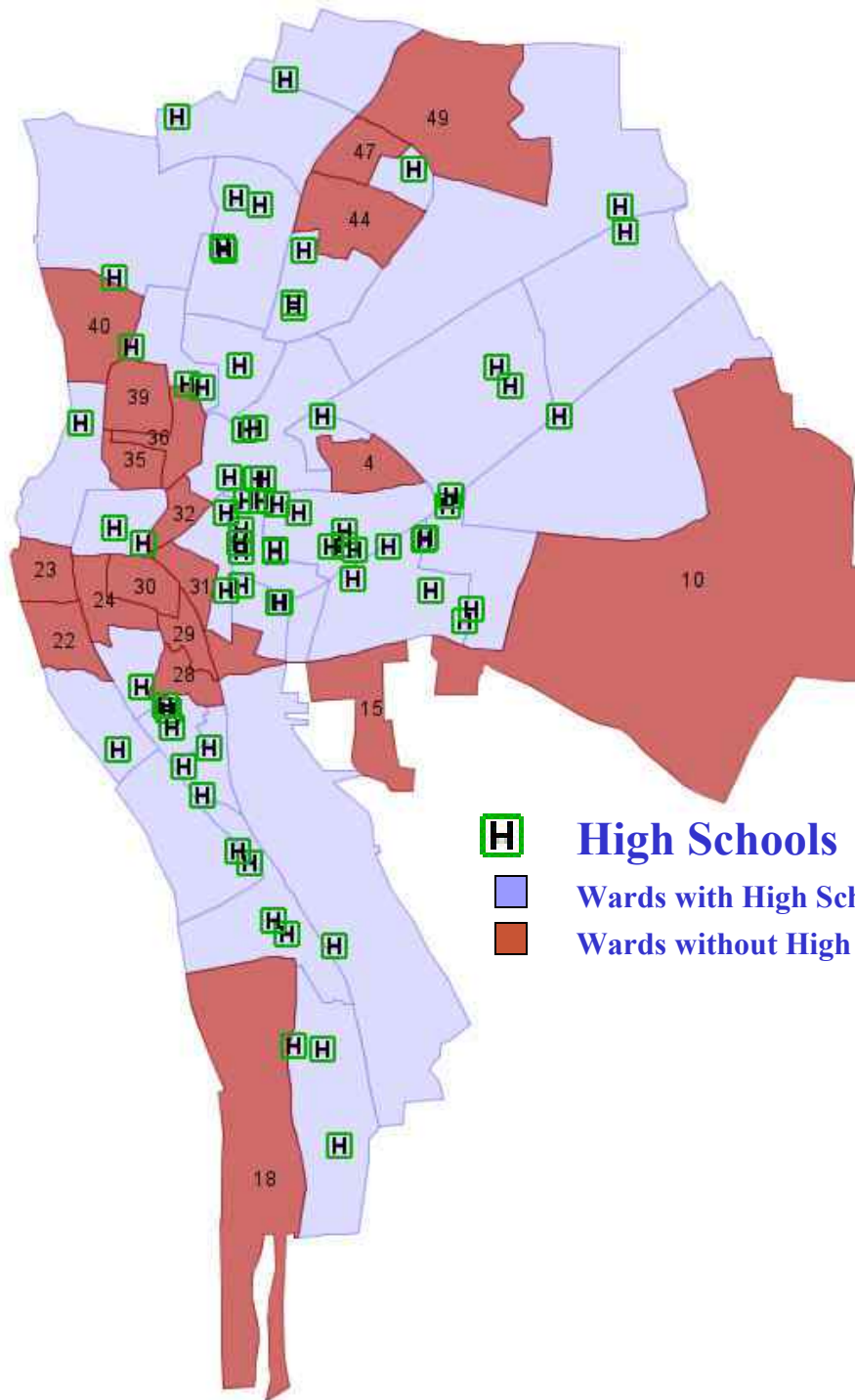


**H** **High Schools**

**Wards with High Schools**

**Wards without High Schools**

| Attributes: Highschools_rjy | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Highschools_rjy (70 Features) | | | | | | | | | | | |
| name | management | mandal | VI BOYS | VI GIRLS | VII BOYS | VII GIRLS | VIII BOYS | VIII GIRLS | IX BOYS | IX GIRLS | X BOYS | X GIRLS |
| A.P.P.M.Model High School,Sriram Nagar | Private Aided | RAJAHMUNDRY URBAN | 59 | 73 | 62 | 61 | 47 | 54 | 66 | 47 | 55 | 63 |
| ADARSHA PUBLIC SCHOOL | Private Un-Aided | RAJAHMUNDRY URBAN | 19 | 15 | 14 | 25 | 24 | 29 | 24 | 17 | 20 | 19 |
| AKSHARA SRI VIDYANIKETHAN | Private Un-Aided | RAJAHMUNDRY URBAN | 35 | 31 | 37 | 30 | 27 | 39 | 33 | 29 | 16 | 16 |
| ANAND NAGAR MUNCIPAL HIGH SCH... | Municipal | RAJAHMUNDRY URBAN | 22 | 17 | 23 | 21 | 32 | 37 | 23 | 38 | 23 | 160 |
| APPM MODEL HIGH SCHOOL | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ARUN PUBLIC SCHOOL | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ARUNODAYA PUBLIC SCHOOL | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASHARA SRI VIDYA NIKETHAN | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B.E.M HIGH SCHOOL | Private Aided | RAJAHMUNDRY URBAN | 32 | 26 | 45 | 31 | 76 | 50 | 65 | 40 | 65 | 45 |
| B.S.S.S.B (E.M) HIGH SCHOOL | Private Un-Aided | RAJAHMUNDRY URBAN | 27 | 25 | 14 | 21 | 25 | 17 | 15 | 23 | 18 | 19 |
| B.S.S.S.B HIGH SCHOOL | Private Aided | RAJAHMUNDRY URBAN | 32 | 27 | 25 | 28 | 36 | 35 | 35 | 37 | 23 | 24 |
| B.V.M HIGH SCHOOL | Private Aided | RAJAHMUNDRY URBAN | 92 | 89 | 88 | 104 | 105 | 105 | 87 | 82 | 75 | 76 |
| BETHEL GRACE RESIDENTIAL HIGH SC... | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BETHEL HIGH SCHOOL | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BHASHYAM SCHOOL | Private Un-Aided | RAJAHMUNDRY URBAN | 121 | 81 | 167 | 109 | 245 | 130 | 260 | 155 | 229 | 132 |
| CHAITNAYA PUBLIC SCHOOL | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DANAVAI PETA MUNCIPAL HIGH SCH... | Municipal | RAJAHMUNDRY URBAN | 35 | 37 | 41 | 31 | 59 | 53 | 50 | 54 | 27 | 38 |
| DON BOSCO SCHOOL | Private Un-Aided | RAJAHMUNDRY URBAN | 15 | 11 | 19 | 21 | 13 | 8 | 9 | 10 | 12 | 19 |
| Fundamentals Public School | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GANDHIPURAM II MUNCIPAL HIGH S... | Municipal | RAJAHMUNDRY URBAN | 54 | 11 | 68 | 13 | 65 | 41 | 34 | 13 | 24 | 17 |
| GARIMELLA SAYTNARAYANA GOVERN... | Govt. | RAJAHMUNDRY URBAN | 87 | 0 | 79 | 0 | 110 | 0 | 105 | 0 | 87 | 0 |
| GOUTHAMI PUBLIC SCHOOL | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GOVERNMENT GIRLS HIGH SCHOOL, ... | Govt. | RAJAHMUNDRY URBAN | 0 | 91 | 0 | 101 | 0 | 126 | 0 | 106 | 0 | 101 |
| GOWMATHI PUBLIC SCHOOL | Private Un-Aided | RAJAHMUNDRY URBAN | 88 | 81 | 78 | 78 | 145 | 130 | 160 | 122 | 185 | 143 |
| HOLY ANGELS PUBLIC SCHOOL | Private Un-Aided | RAJAHMUNDRY URBAN | 41 | 27 | 41 | 33 | 41 | 36 | 46 | 30 | 37 | 26 |
| JASSVER E.M SCHOOL | Private Un-Aided | RAJAHMUNDRY URBAN | 43 | 49 | 34 | 25 | 20 | 20 | 13 | 14 | 9 | 16 |

# GIS Query

## Elementary Schools at a distance 300m from Slums
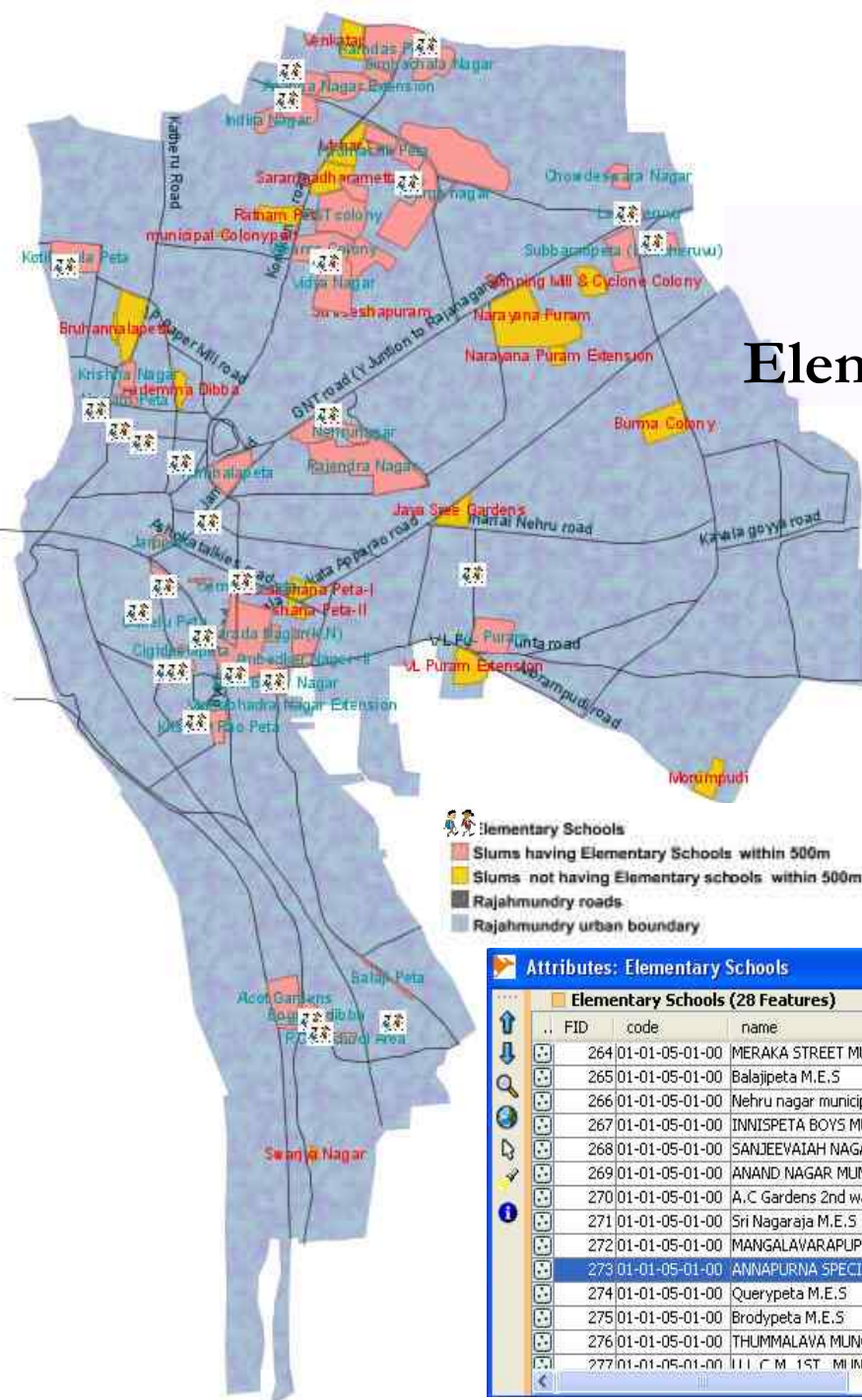
**Attributes: slums within distance of 300mts to Elementar...**

slums within distance of 300mts to Elementary scholls (53 Features)

| FID | code | name | Ward No | Population |
|---|---|---|---|---|
| 255 | 70 | Sarada Nagar(K.N) | 14 | 2500 |
| 256 | 66 | Indira Nagar | 45 | 1750 |
| 257 | 62 | Durga nagar | 50 | 375 |
| 258 | 52 | Veerabhadra Nagar Extension | 16 | 703 |
| 259 | 33 | Padmasali Peta | 47 | 311 |
| 260 | 34 | RCM School Area | 17 | 405 |
| 261 | 39 | sanjeevayyanagar | 48 | 2598 |
| 262 | 12 | Cementry Peta-I | 6 | 740 |
| 263 | 31 | Nehrunagar | 3 | 1753 |
| 264 | 67 | Ananda Nagar Extension | 46 | 263 |
| 265 | 56 | Weares Colony | 43 | 1655 |
| 266 | 73 | Vidya Nagar | 43 | 1655 |
| 267 | 7 | Bathinavari street | 18 | 125 |

**Attributes: Elementary Schools**

Elementary Schools (28 Features)

| FID | code | name | TOTAL STREN |
|---|---|---|---|
| 264 | 01-01-05-01-00 | MERAKA STREET MUNICIP... | 131 |
| 265 | 01-01-05-01-00 | Balajipeta M.E.S | 185 |
| 266 | 01-01-05-01-00 | Nehru nagar municipal ele... | 330 |
| 267 | 01-01-05-01-00 | INNISPETA BOYS MUNCIPI... | 87 |
| 268 | 01-01-05-01-00 | SANJEEVAIAH NAGAR MU... | 147 |
| 269 | 01-01-05-01-00 | ANAND NAGAR MUNCIPAL... | 222 |
| 270 | 01-01-05-01-00 | A.C Gardens 2nd ward bo... | 180 |
| 271 | 01-01-05-01-00 | Sri Nagaraja M.E.S | 209 |
| 272 | 01-01-05-01-00 | MANGALAVARAPUPETA M... | 59 |
| 273 | 01-01-05-01-00 | ANNAPURNA SPECIAL MU... | 274 |
| 274 | 01-01-05-01-00 | Querypeta M.E.S | 320 |
| 275 | 01-01-05-01-00 | Brodypeta M.E.S | 179 |
| 276 | 01-01-05-01-00 | THUMMALAVA MUNCIPAL ... | 112 |
| 277 | 01-01-05-01-00 | I.L C M 1ST MUNICIPAL | 122 |

**Attributes: slums doesnot having the Elementary scholls within...**

slums doesnot having the Elementary scholls within 300mts (21 Features)

| FID | code | name | Ward No | Population |
|---|---|---|---|---|
| 319 | 10 | Bruhannalapeta | 40 | 1421 |
| 321 | 11 | Burma Colony | 9 | 1387 |
| 315 | 19 | Gorakshana Peta-I | 14 | 1402 |
| 316 | 20 | Gorakshana Peta-II | 13 | 560 |
| 311 | 23 | Jaya Sree Gardens | 11 | 1610 |
| 322 | 28 | Mehar Nagar | 47 | 199 |
| 318 | 29 | Morumpudi | 26 | 744 |
| 314 | 30 | Narayana Puram | 1 | 788 |
| 308 | 38 | Ratnam Peta | 11 | 535 |
| 325 | 40 | Saramgadharametta | 47 | 459 |
| 324 | 41 | Saramgadhara Metta (Harijana wada) | 47 | 869 |
| 326 | 42 | Seetam peta | 40 | 1907 |
| 323 | 43 | Seshagiri Nagar | 47 | 968 |

# GIS Query

## Primary Schools at a distance 200m from Slums
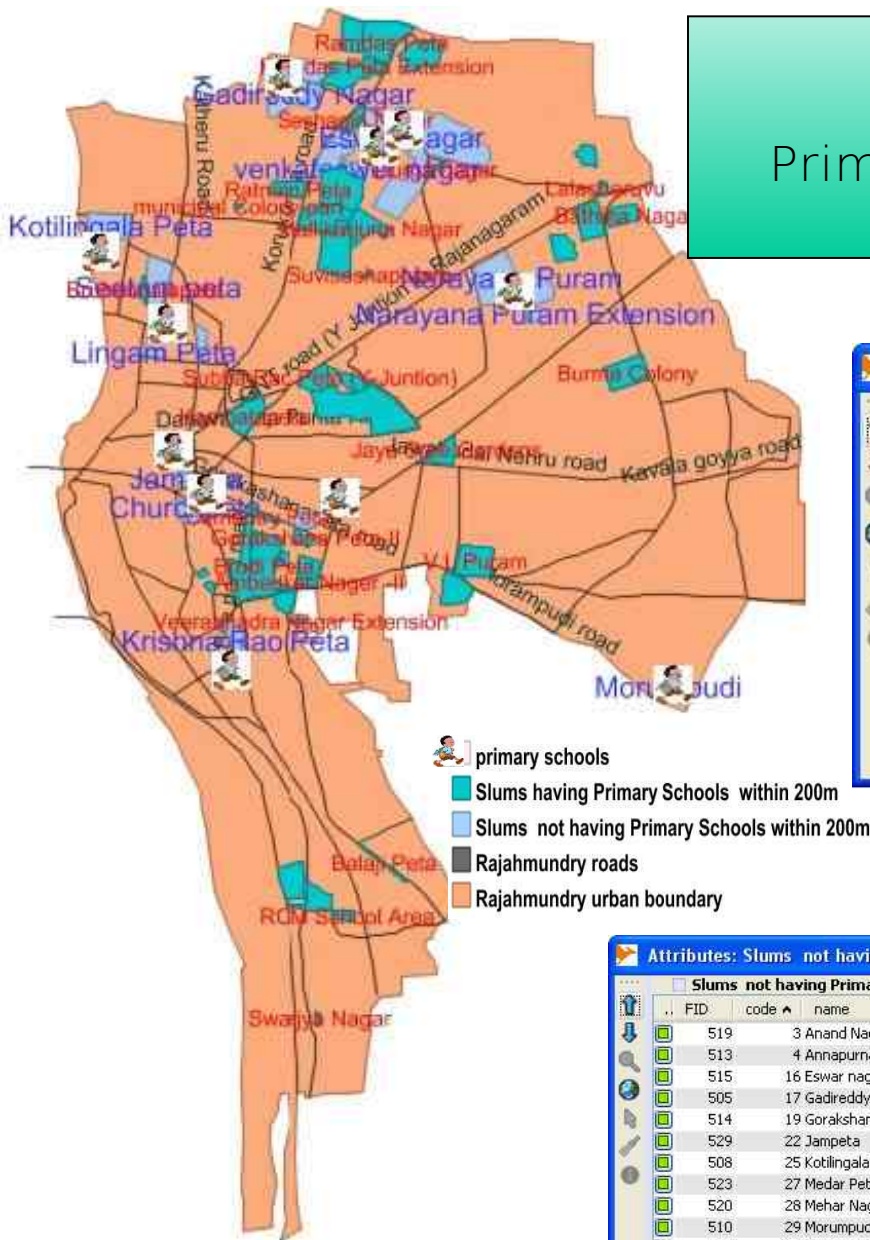
**Attributes: primary schools**

**primary schools (11 Features)**

| .. | FID | code | name of the | address |
|---|---|---|---|---|
| · | 492 | 01-01-05-01-01 | UTALANKA MUNCIPAL Upper primary SCHOOL | Ananda nagar |
| · | 493 | 01-01-05-01-01 | MUNCIPAL PRIMARY SCHOOL | SITAMPETA |
| · | 494 | 01-01-05-01-01 | Sri Veeresalingam | V.T.College beside |
| · | 495 | 01-01-05-01-01 | FREDVONEELS RESDENTIAL U.P.SCHOOLS | BURMA COLONY,SUBBARAONAGAR,... |
| · | 496 | 01-01-05-01-01 | LITTLE ROSE CONVENT | SUBBARAONAGAR,QUARY ROAD |
| · | 497 | 01-01-05-01-01 | NARAYANAPURAM M U P S | Narayanapuram |
| · | 498 | 01-01-05-01-01 | SRI NATIONAL BASIC SCHOOL | ANNPURNAMMA PETA |
| · | 499 | 01-01-05-01-01 | Kotilingalapeta M.U.P.S | Kotilingalapeta |
| · | 500 | 01-01-05-01-01 | EURO KIDS PRIMARY SCHOOL | GANDHI PURAM-II,NEAR PRAKASH N... |
| · | 501 | 01-01-05-01-01 | M.C.R Moulana Abul Kalam Azad Urdu Medium School | Near Budhudu Hospital |
| · | 502 | 01-01-05-01-01 | CITY SPL.MUNCIPAL CORP.UPPER PRIMARY SCHOOL | MORAMPUDI |

Legend:

- 🧑 primary schools
- ■ Slums having Primary Schools within 200m
- □ Slums not having Primary Schools within 200m
- ■ Rajahmundry roads
- ■ Rajahmundry urban boundary

**Attributes: Slums not having Primary Schools within 2...**

**Slums not having Primary Schools within 200m (27 Features)**

| .. | FID | code ∧ | name | Ward No | Population |
|---|---|---|---|---|---|
| · | 519 | 3 | Anand Nagar | 46 | 1894 |
| · | 513 | 4 | Annapurnamma Peta | 31 | 1419 |
| · | 515 | 16 | Eswar nagar | 48 | 359 |
| · | 505 | 17 | Gadireddy Nagar | 45 | 801 |
| · | 514 | 19 | Gorakshana Peta-I | 14 | 1402 |
| · | 529 | 22 | Jampeta | 33 | 589 |
| · | 508 | 25 | Kotilingala Peta | 41 | 2219 |
| · | 523 | 27 | Medar Peta | 30 | 2442 |
| · | 520 | 28 | Mehar Nagar | 47 | 199 |
| · | 510 | 29 | Morumpudi | 26 | 744 |
| · | 512 | 30 | Narayana Puram | 1 | 788 |
| · | 525 | 33 | Padmasali Peta | 47 | 311 |
| · | 518 | 39 | sanjeevayyanagar | 48 | 2598 |
| · | 521 | 40 | Saramgadharametta | 47 | 459 |
| · | 526 | 41 | Saramgadhara Metta (H... | 47 | 869 |

**Attributes: Slums having Primary Schools within 20...**

**Slums having Primary Schools within 200m (47 Features)**

| .. | FID | code ∧ | name | Ward No | Population |
|---|---|---|---|---|---|
| · | 538 | 1 | Ambedkar Nager-I | 13 | 1103 |
| · | 539 | 2 | Ambedker Nager -II | 13 | 575 |
| · | 551 | 5 | Balaji Peta | 16 | 1281 |
| · | 534 | 6 | Bathina Nagar | 1 | 839 |
| · | 554 | 7 | Bathinavari street | 18 | 125 |
| · | 553 | 8 | Bogguladibba | 17 | 981 |
| · | 537 | 9 | Brodi Peta | 14 | 7158 |
| · | 560 | 10 | Bruhannalapeta | 40 | 1421 |
| · | 562 | 11 | Burma Colony | 9 | 1387 |
| · | 545 | 12 | Cementry Peta-I | 6 | 740 |
| · | 566 | 12 | Cementary Peta-I | 7 | 740 |
| · | 576 | 14 | Chowdeswara Nagar | 50 | 441 |
| · | 547 | 15 | Cigideelapeta | 28 | 836 |
| · | 548 | 18 | Colooladibba | 28 | 385 |

# GIS Query
# Liquor Shops 100m from Educational Institutes
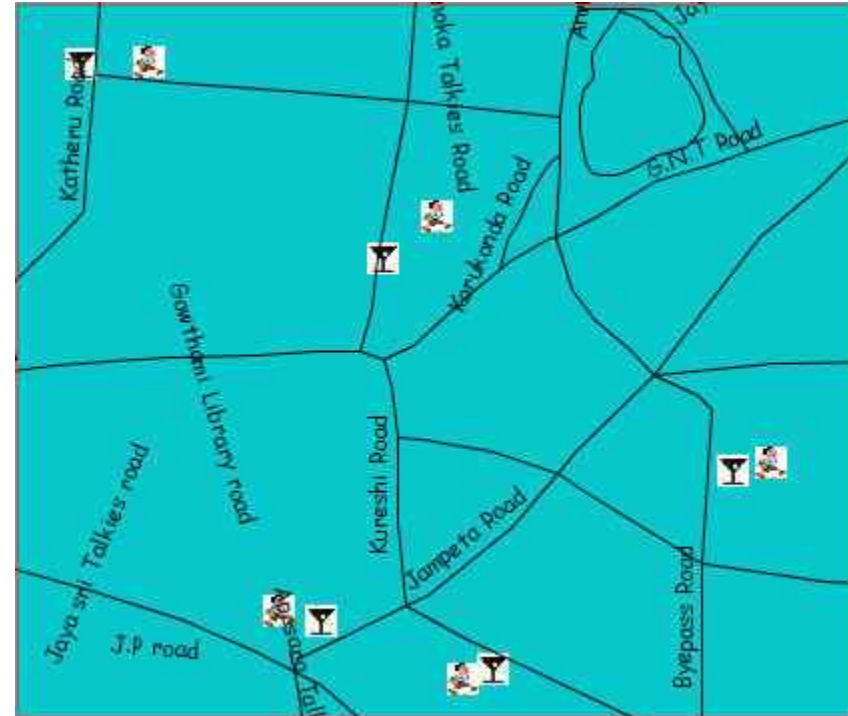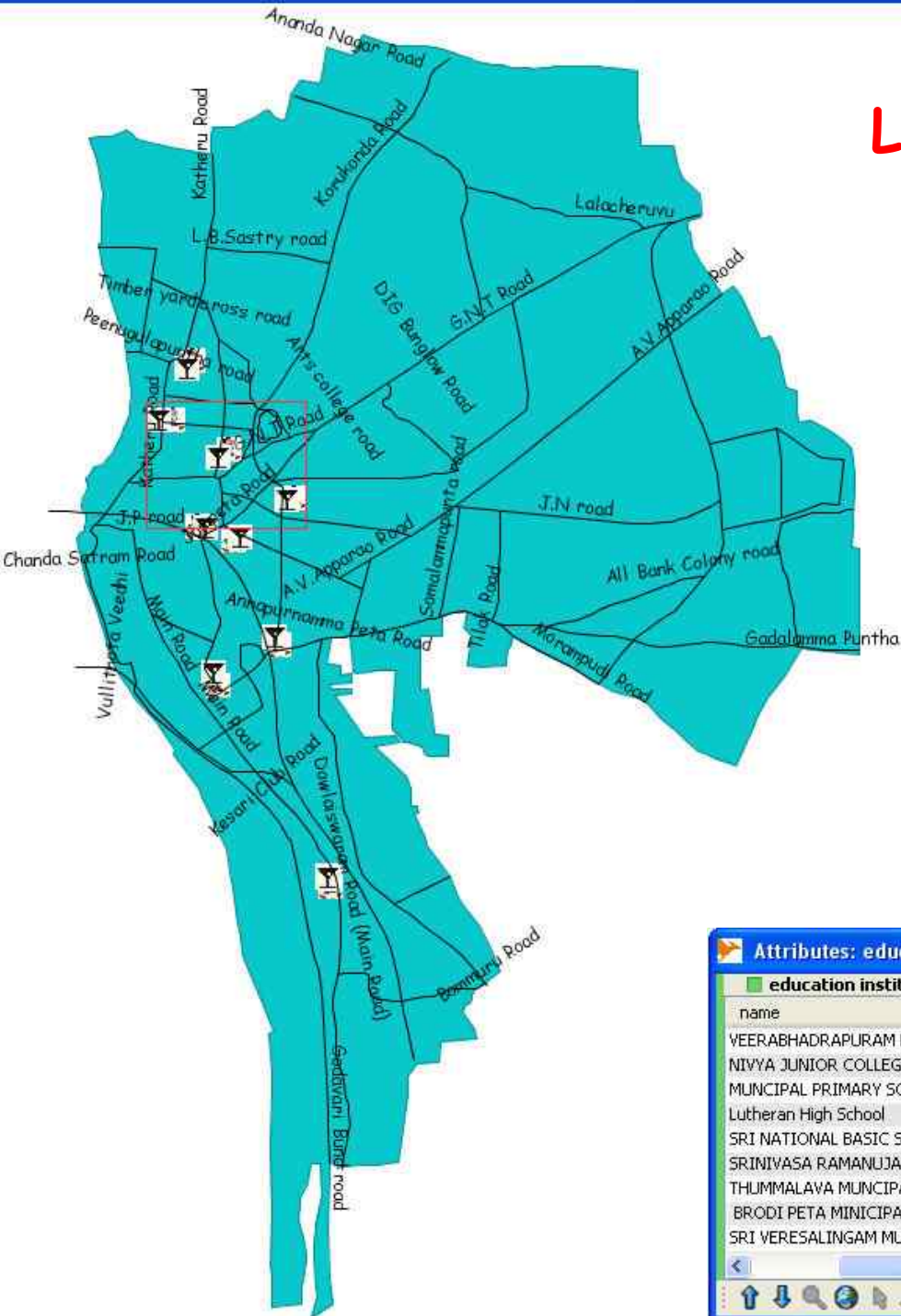
**Attributes: education institutes wit...**

education institutes with in distance 100mts wine ...

| name | address |
| --- | --- |
| VEERABHADRAPURAM MUNICIPAL ELE... | RAMACHANDRAO PETA |
| NIVYA JUNIOR COLLEGE | DANAVAIPETA |
| MUNCIPAL PRIMARY SCHOOL | SITAMPETA |
| Lutheran High School | Near Jampeta Fish Ma... |
| SRI NATIONAL BASIC SCHOOL | ANNPURNNAMMA PETA |
| SRINIVASA RAMANUJAM MUNICIPAL H... | NEAR RAILWAY STAT... |
| THUMMALAVA MUNCIPAL ELEMENTAR... | THUMALOVA |
| BRODI PETA MINICIPAL ELEMENTERY... | BRODY PETA, TADI T... |
| SRI VERESALINGAM MUNCIPAL HIGH ... | VERASALINGAM SCH... |

**Attributes: wine shops wihin dist...**

wine shops wihin distance100mts (10 Featur...

| name | address |
| --- | --- |
| BRANDY SHOP | BYPASS ROAD, TADI THOTA |
| AKHIL WINE SHOP | AARYAPURAM |
| SRI GAYATRI WINES | OPP. RAILWAY STATION ,... |
| SATYA SRINIVASA WINES | OPP. RAILWAY STATION ,... |
| MENAKA BAR & RESTAURANT | OPP. RAILWAY STATION ,... |
| SRI SAISUPRIYA WINES | KORLAMAPETA |
| SAMRAT BAR&RESTAURANT | BANDRAKULA COMPLEX,N... |
| PADMA PRIYA WINES | NEAR ASHOKA THEATRE |
| SRI SATYA SRINIVASA BAR ... | OPP. RAILWAY STATION ,... |
| SAILAKSHMI WINES | DANAVAIPETA, CHINA GA... |

# GIS Query
# Elementary & Primary Schools near PHCs
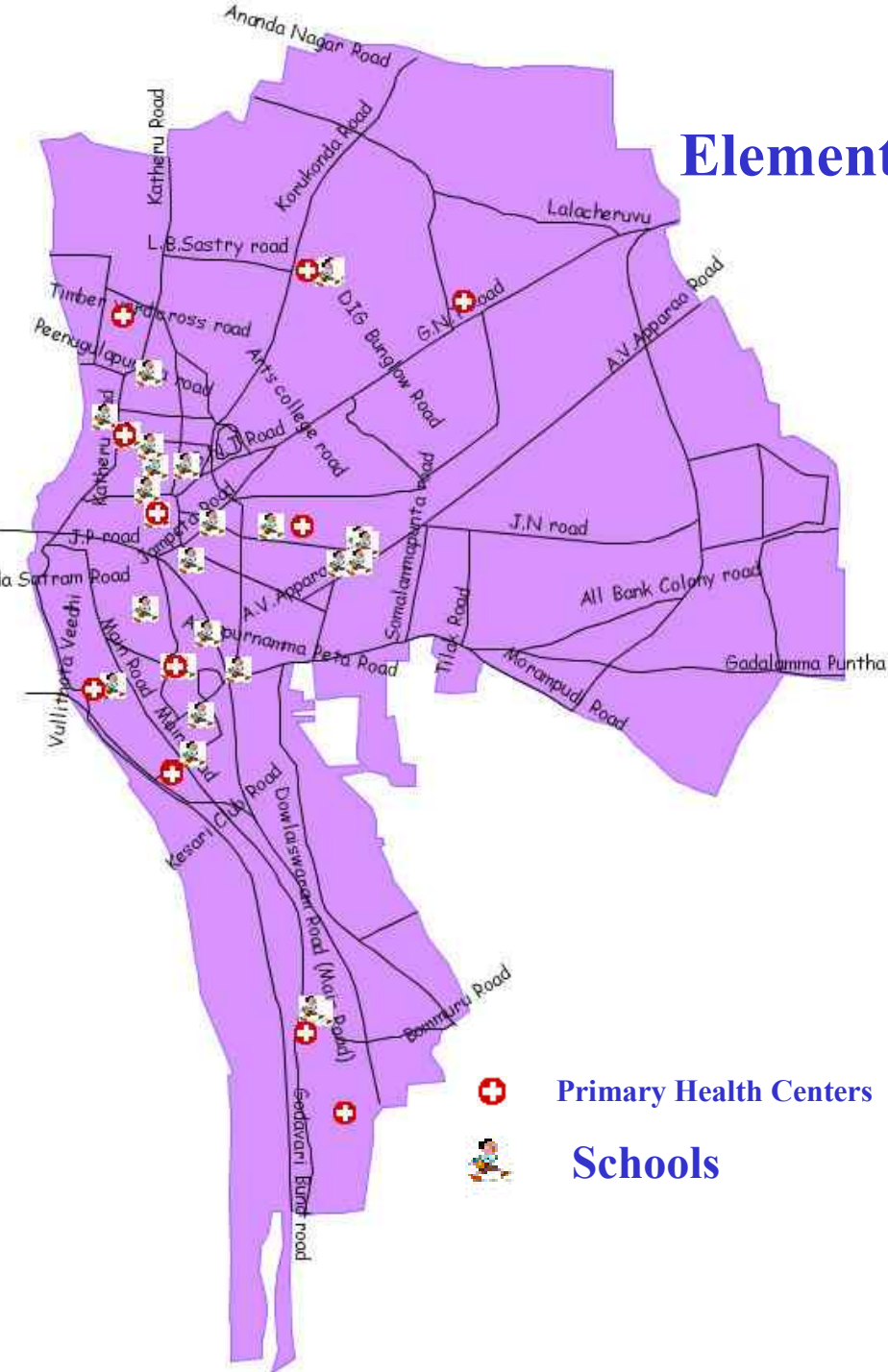
## Attributes: elementary&primary-is within distance500mts PHC's

### elementary&primary-is within distance500mts PHC's (27 Features)

| FID | code | name | address |
|-----|------|------|---------|
| 4778 | 01-01-05-01-01 | EURO KIDS PRIMARY SCHOOL | GANDHI PURAM-II,NEAR PRAKASH N... |
| 4779 | 01-01-05-01-01 | SHANTI BENHAR AIDED UPP... | KORLMA PETA |
| 4780 | 01-01-05-01-00 | DANAVAIPETA MUNICIPAL EL... | DANAVAIPETA |
| 4781 | 01-01-05-01-00 | U.L.C.M. 1ST  MUNICIPAL EL... | NEAR BR.AMBEDKAR COMMUNITY HA... |
| 4782 | 01-01-05-01-00 | SRI NAGARAJA MUNCIPALE... | WEAVERS COLONY,NEAR KORUKOMN... |
| 4783 | 01-01-05-01-01 | MUNCIPAL PRIMARY SCHOOL | SITAMPETA |
| 4784 | 01-01-05-01-00 | JUNNU MAHANTI BANGARA... | ULLI THOTA VEDHI |
| 4785 | 01-01-05-01-00 | AMARDEEP PUBLIC SCHOOL | THUMMALAVA |
| 4786 | 01-01-05-01-00 | DHANYAM PAKALU MUNCIP... | BACKSIDE OF STADIUM,RAJAHMUNDRY |
| 4787 | 01-01-05-01-00 | SRI BHARATHI SCHOOL | WEAVERS COLONY |
| 4788 | 01-01-05-01-00 | ANNAPURNA SPECIAL MUNC... | ANNAPURNAMMA PETA |
| 4789 | 01-01-05-01-01 | JUNIOR BASIC AIDED PRIM... | NEAR PRAKASH NAGAR ROUND PARK... |
| 4790 | 01-01-05-01-01 | CHENNAI LITTLE BURDS CO... | NEAR PRAKASH NAGAR ROUND PARK... |
| 4791 | 01-01-05-01-00 | MUNCIPAL ELIMENTERY SCH... | BOGGULA DIBBA,UILTD JUNCTION |
| 4792 | 01-01-05-01-00 | Kovvuri Nagireddy Muncipal ... | Opp.Street of Vetarnity Hospital (korla... |
| 4793 | 01-01-05-01-00 | LISTERPETA  MUNCIPAL ELE... | ARYAPURAM |

## Attributes: Health-contains

### Health-contains (12 Features)

| name ^ | address |
|--------|---------|
| ARAVANDHAM ORTHOPEDIC & PHYSIOTHERAPY HOSPITAL | NEAR MRO HOSPITAL |
| CHINTALURU AYURVEDIC HOSPITAL | NEAR MRO OFFICE |
| Chunnilal Jajoo Muncipal Matarinity Hospital | Nataraj Road |
| HOMEO HOSPITAL,Dr.T.SATNARAYANA,M.Com,M.H.P.G | CTRI ROAD |
| LUTHERN GENERAL HOSPITAL | NEAR ILTD CENTER,RAJAHMUNDRY |
| POSTAL DISPENSARY | OPP.KUMARI THEATER STREET |
| PRIMARY HEALTH CENTRE | SITAMPETA |
| RAJAHMUNDRY MATA SISU SANKSHEMA KARYALAYAM | SRI VANAM NAGESWARA RAO ELEME... |
| SANJANA ORHTOPEDIC  HOSPITAL | OPP.KARRI SURIREDDY PLAZA,DANA... |
| SUSRUTHA NURSING HOME | WEAVERS COLONY |
| URBAN HEALTH CENTER | OPP.SHAMBU NAGAR,6TH LINE,AC G... |
| Uni Ani Dispensary | Near Budhudu Hospital |

✚ **Primary Health Centers**

🏃 **Schools**

# GIS Query
## Junior Colleges Above 60% Pass



Jr.colleges_above 60% pass
WARDBOUNDARIES

**Histogram for PASS % 2007**

num. of items

num. of items: 5
min. Value: 78.0
max. Value: 93.0
max. Number: 2

1

0

[60.0 - 70.0)   (70.0 - 80.0)   (80.0 - 90.0)   (90.0 - 100.0]
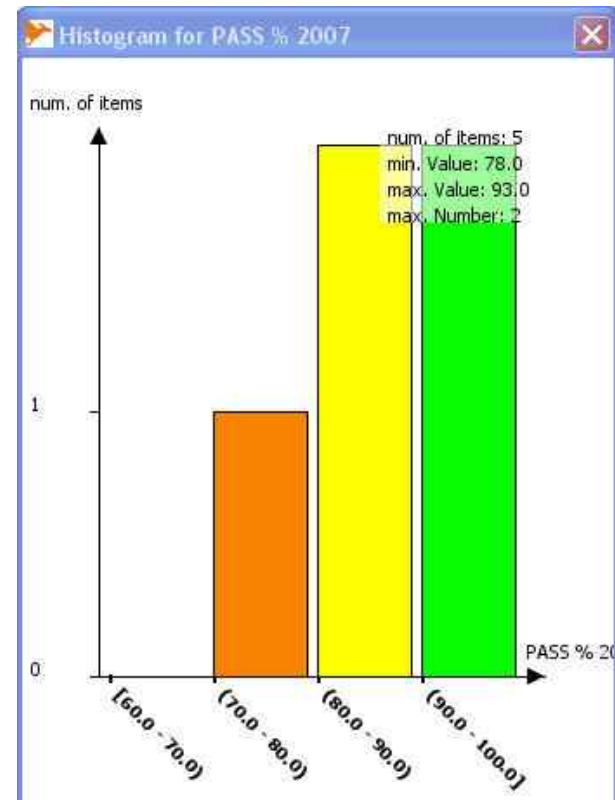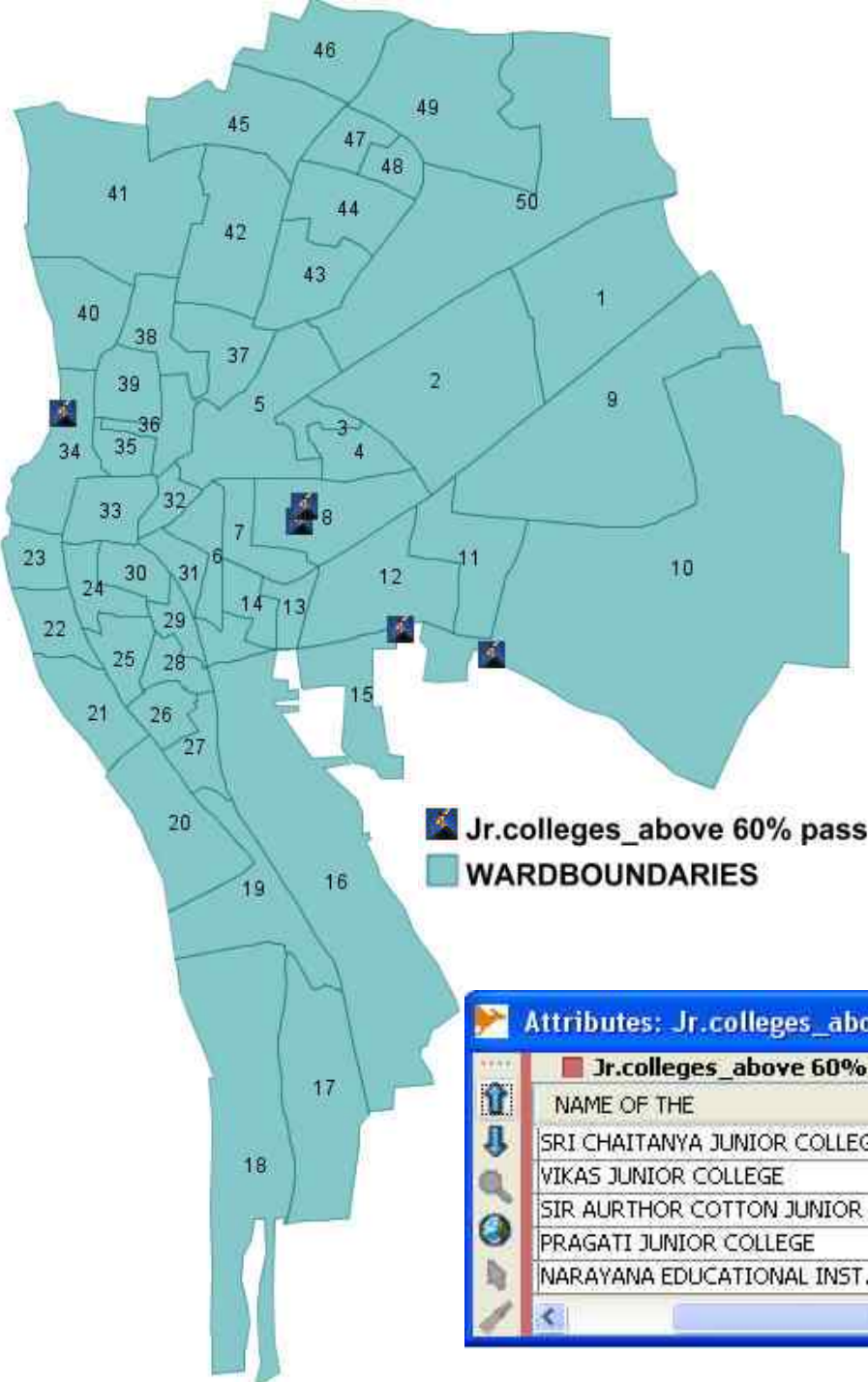
PASS % 20

**Attributes: Jr.colleges_above 60% pass**

Jr.colleges_above 60% pass (5 Features)

| NAME OF THE | ESTD | NO.OF CLASS | NO.OF FACUL | STRENGTH 20 | PASS % 2007 |
|---|---|---|---|---|---|
| SRI CHAITANYA JUNIOR COLLEGE | 1999 | 38 | 60 | 1500 | 96 |
| VIKAS JUNIOR COLLEGE | 2001 | 24 | 31 | 780 | 93 |
| SIR AURTHOR COTTON JUNIOR ... | 1998 | 38 | 47 | 940 | 91 |
| PRAGATI JUNIOR COLLEGE | 2001 | 23 | 45 | 700 | 79 |
| NARAYANA EDUCATIONAL INST... | 2001 | 68 | 75 | 1400 | 94 |

# GIS Query
## Junior Colleges Below 60% Pass

Jr.colleges_below 60% pass

WARDBOUNDARIES

### Attributes: Jr.colleges_below 60% pass

Jr.colleges_below 60% pass (7 Features)

| FID | code | NAME OF THE | ESTD | NO.OF CLASS | NO.OF FACUL | PASS % 2007 |
|-----|------|-------------|------|-------------|-------------|-------------|
| 277 | 01-01-05-01-03 | C G T M JUNIOR COLLEGE | 1978 | 23 | 14 | 45 |
| 279 | 01-01-05-01-02 | LUTHERAN JUNIOR COLLEGE | 1995 | 14 | 11 | 47 |
| 280 | 01-01-05-01-02 | S K R WOMENS COLLEGE | 1970 | 55 | 15 | 50 |
| 278 | 01-01-05-01-03 | SCHADE JUNIOR COLLEGE FO… | 1997 | 12 | 9 | 50 |
| 276 | 01-01-05-01-03 | V T JUNIOR COLLEGE | 1970 | 16 | 9 | 51 |
| 281 | 01-01-05-01-02 | AKC JUNIOR COLLEGE | 1989 | 46 | 29 | 57 |
| 275 | 01-01-05-01-03 | GOVERNMENT JUNIOR COLLEGE | 1956 | 39 | 34 | 57 |

# GIS Query
## Pass percent of students of Degree Colleges In Rajahmundry Urban

**Histogram for PASS% YEAR**

num. of items

num. of items: 11
max. Number: 3

PASS% YEAR

save image

**Attributes: degree colleges**

degree colleges (11 Features)

| NAME OF THE ∧ | ESTD | NO OF CLASS | NO OF FACUL | PASS% 2007 YEAR |
|---|---|---|---|---|
| A K C DEGREE COLLEGE | 1994 | 47 | 30 | 79 |
| ADITHYA DEGREE COLLEGE FOR MEN | DATA NOT AVAILABLE | DATA NOT AVAILABLE | DATA NOT AVAILABLE | Data Not available |
| ADITHYA DEGREE COLLEGE FOR W... | DATA NOT AVAILABLE | DATA NOT AVAILABLE | DATA NOT AVAILABLE | Data Not available |
| AL AMEER DEGREE AND PG COLLEGE | 2001 | 23 | 10 | 52 |
| AVANTHI DEGREE COLLEGE | 2001 | 20 | 14 | 74 |
| GOVERNMENT COLLEGE(A) RJY | 1877 | 120 | 119 | 70 |
| RAJAMAHENDARY DEGREE AND P G... | 2001 | 48 | 45 | 92 |
| RAJIV GANDHI DEGREE AND PG C... | 2002 | 32 | 58 | 62 |
| SCHADE DEGREE COLLEGE FOR W... | DATA NOT AVAILABLE | DATA NOT AVAILABLE | DATA NOT AVAILABLE | Data Not available |
| SMT KANDUKURI RAJYALAKSHMI W... | DATA NOT AVAILABLE | 55 | 37 | 79 |
| V T DEGREE COLLEGE | 1972 | 40 | 60 | 74 |

degree colleges

WARDBOUNDARIES

# HEALTH
## *RAJAHMUNDRY URBAN GOVERNMENT HOSPITALS*
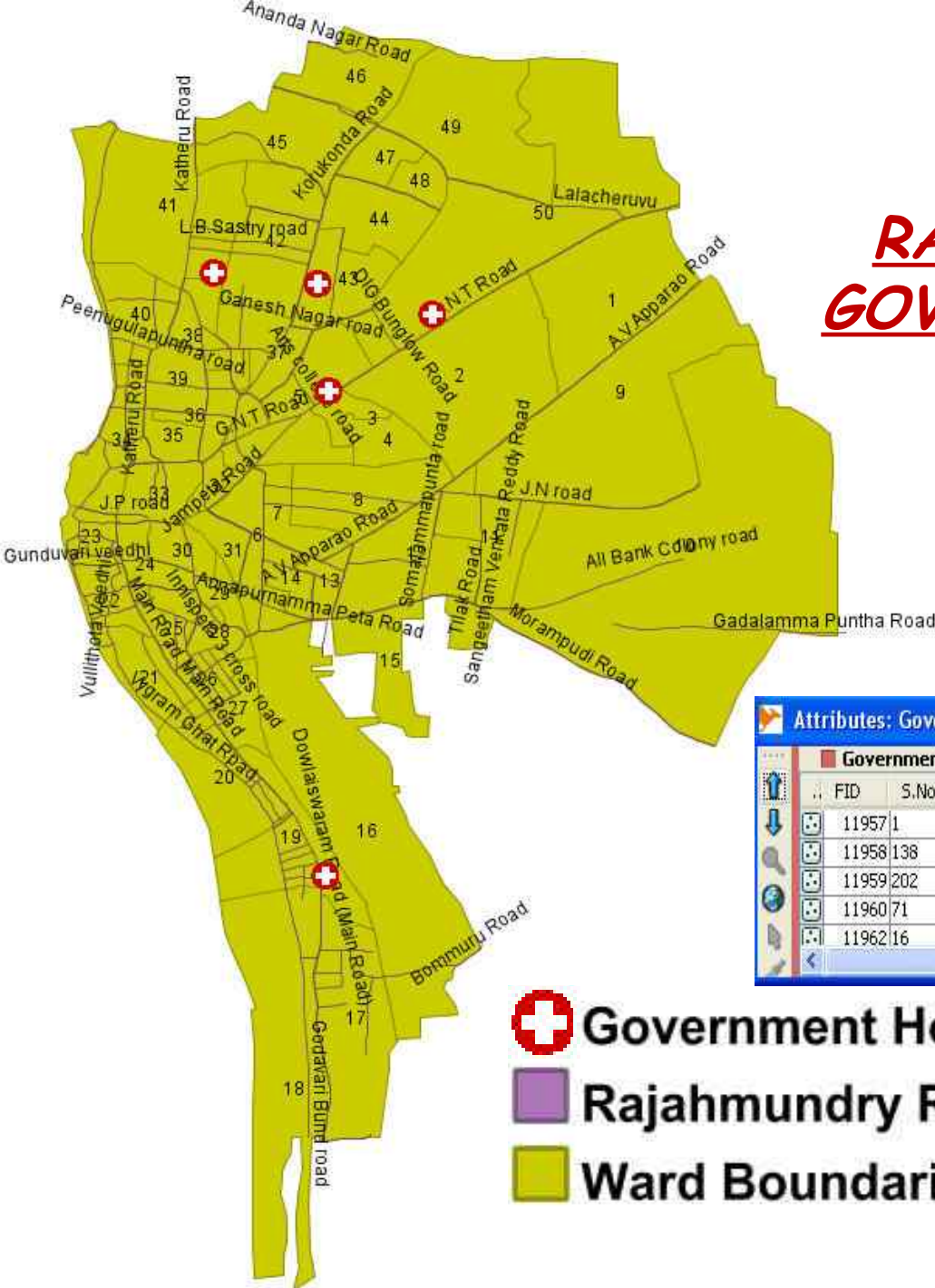
**Attributes: Government Hospitals**

**Government Hospitals (5 Features)**

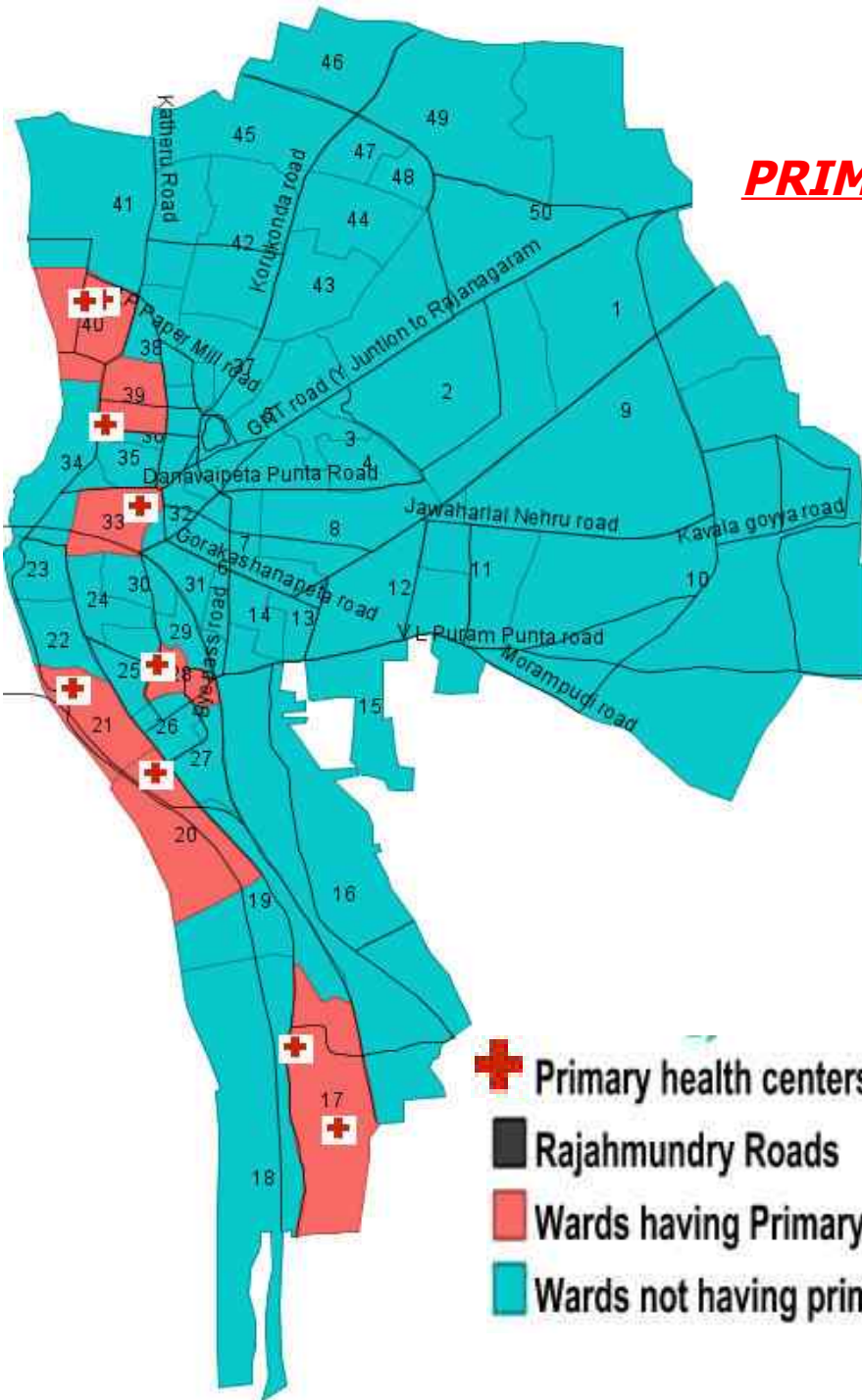| FID | S.No | code | name | address |
|---|---|---|---|---|
| 11957 | 1 | 01-01-05-03-01 | GOVT HOSPITAL | OPP CENTRALJAIL |
| 11958 | 138 | 01-01-05-03-01 | SOUTH CENTRAL RAILWAY HEALTH U… | OPP,MADHAVI-MURTY KRV TOWERS-II |
| 11959 | 202 | 01-01-05-03-01 | phylaria hospital | buddavarapu suryanarayana road |
| 11960 | 71 | 01-01-05-03-01 | EMPLOYEE STATE INSURANCE HOSPITAL | SRIRAM NAGAR |
| 11962 | 16 | 01-01-05-03-01 | Dr.Allu Ramalingava Homeopathi Hospital | Y-Junction Road |

⊕ **Government Hospitals**

■ **Rajahmundry Roads**

■ **Ward Boundaries**

# GIS Query
## PRIMARY HEALTH CENTERS & DISPENSARIES



**Attributes: Wards having Primary health centers**

### Wards having Primary health centers (7 Features)

| FID | ward.no | Perimeter | Area (m2) | Area (Km2) | voters | Total popul |
|-----|---------|-----------|-----------|------------|--------|-------------|
| 12005 | 28 | 1696.7 | 114150.6 | 0.11 | 3993 | 6668.31 |
| 12006 | 20 | 3186.55 | 504219.15 | 0.50 | 3095 | 5168.65 |
| 12007 | 21 | 2357.77 | 283565.95 | 0.28 | 4442 | 7418.14 |
| 12008 | 33 | 1959.5 | 229027.0 | 0.23 | 2775 | 4634.25 |
| 12009 | 17 | 4329.23 | 745396.19 | 0.75 | 3935 | 6571.45 |
| 12010 | 39 | 1745.33 | 201274.15 | 0.20 | 4019 | 6711.73 |
| 12011 | 40 | 2406.39 | 342114.13 | 0.34 | 4272 | 7134.24 |

**Attributes: Wards not having primary health centers**

### Wards not having primary health centers (43 Features)

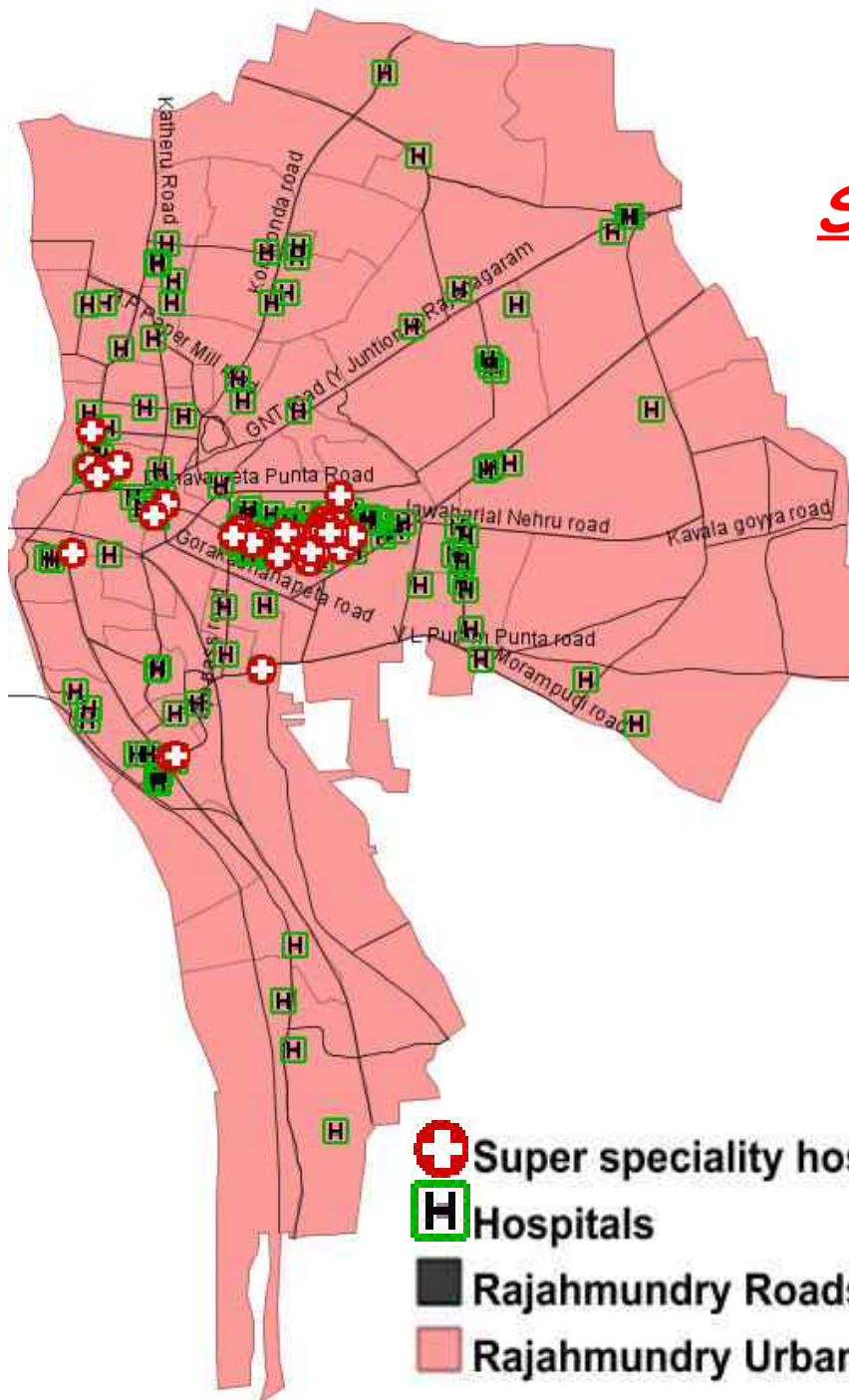| FID | ward.no ▲ | Perimeter | Area (m2) | Area (Km2) | Total popul |
|-----|-----------|-----------|-----------|------------|-------------|
| 12054 | 1 | 4209.8 | 899133.47 | 0.90 | 5743.13 |
| 12019 | 2 | 4629.28 | 1185778.62 | 1.19 | 7757.15 |
| 12041 | 3 | 1883.73 | 99534.94 | 0.10 | 6962.23 |
| 12027 | 4 | 1927.71 | 179341.39 | 0.18 | 6155.62 |
| 12020 | 5 | 4298.9 | 604630.13 | 0.60 | 5953.55 |
| 12016 | 6 | 2526.12 | 178848.73 | 0.18 | 8356.68 |
| 12017 | 7 | 2544.92 | 195375.94 | 0.20 | 5703.05 |
| 12057 | 8 | 3136.63 | 483942.1 | 0.48 | 7391.42 |
| 12040 | 9 | 6341.32 | 1581102.07 | 1.58 | 7630.23 |
| 12055 | 10 | 10748.65 | 3994933.24 | 3.99 | 7409.79 |

Primary health centers & Dispensarys

Rajahmundry Roads

Wards having Primary health centers

Wards not having primary health centers

# GIS Query
# SUPER SPECIALITY HOSPITALS

Attributes: SUPER SPECIALITY HOSPITALS

SUPER SPECIALITY HOSPITALS (37 Features)

| .. FID | code | name | address | speciality | type | phone |
|---|---|---|---|---|---|---|
| 775 01-01-05-03-03 | Surya Hospital | Prakash nagar | Multi speciality hospital | PRIVATE | |
| 776 01-01-05-03-03 | Sudarshan D... | Danavai pete | Dental Hospital | PEIVATE | 2475637 |
| 777 01-01-05-03-03 | SRI SUDARS... | DEVICHOWK | DENTAL HOSPITAL | PRIVATE | |
| 778 01-01-05-03-03 | VIJETHA OR... | DANAVAIPETA | DR.S.KIRAN REDDY | PRIVATE | |
| 779 01-01-05-03-03 | SRI SWATHI... | GANDHI PU... | CASMETIC DENTAL ... | PRIVATE | |
| 780 01-01-05-03-03 | SRI RAMA A... | RTC COMPL... | CALIPERS,ARTFICIA... | PRIVATE | 0883246... |
| 781 01-01-05-03-03 | Rajahmundr... | Danavai pete | Neuro Speciality Hos... | PRIVATE | |
| 782 01-01-05-03-03 | LIFE EMERG... | BACK SIDE ... | EMERGENCYHOSPITAL | PRIVATE | 0883242... |
| 783 01-01-05-03-03 | BHARDWAJ... | OPP.SBI DA... | GYNAECOLOGIST,O... | PRIVATE | |
| 784 01-01-05-03-03 | SWETHA HO... | OPP.COMER... | SURGICAL,GASTROE... | PRIVATE | |
| 785 01-01-05-03-03 | DR.G.V.GOP... | OPP.RAJU N... | NERVOUS &MENTAL ... | PRIVATE | 9440111... |
| 786 01-01-05-03-03 | MANASA HO... | NEAR SUPR... | NERVOUS AND MENT... | PRIVATE | |
| 787 01-01-05-03-03 | PADMA MAD... | PRAKASHNA... | DR.SHISUCHPI SPIN... | PRIVATE | 2465501 |

Super speciality hospitals
Hospitals
Rajahmundry Roads
Rajahmundry Urban boundary

**GIS Query**
**BLOOD BANKS**
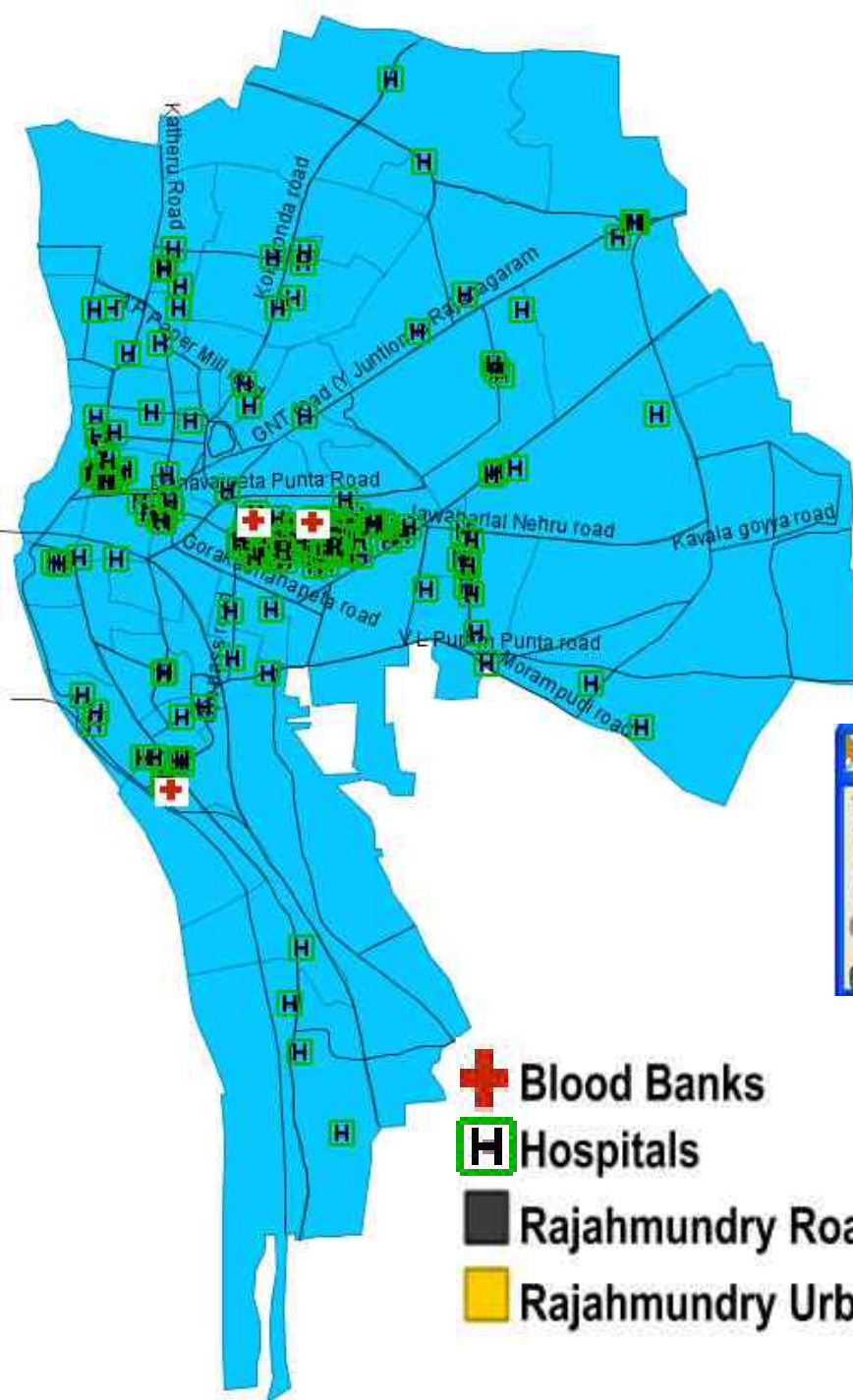
Attributes: BLOOD BANKS

BLOOD BANKS (3 Features)

| .. | FID | code | name | address | speciality | type | phone |
|----|-----|------|------|---------|-----------|------|-------|
| ⊡ | 1188 | 01-01-05-03-04 | JAGRUTHI BLOOD BANK | DANAVAIPETA | BLOOD BANK | PRIVATE | 2443612 |
| ⊡ | 1189 | 01-01-05-03-04 | SRI DANVANTARI VOL... | DANAVAIPETA | BLOOD BANK | PRIVATE | 0 |
| ⊡ | 1190 | 01-01-05-03-04 | GOVERNMENT OFFICE... | NEAR MRO ... | BLOOD BANK | GOVER... | |

✚ Blood Banks

Ⓗ Hospitals

⬛ Rajahmundry Roads

🟧 Rajahmundry Urban boundary

**GIS Query**
*MEDICAL SHOPS*

Medical Shops
Hospitals
Rajahmundry Roads
Rajahmundry Urban boundary
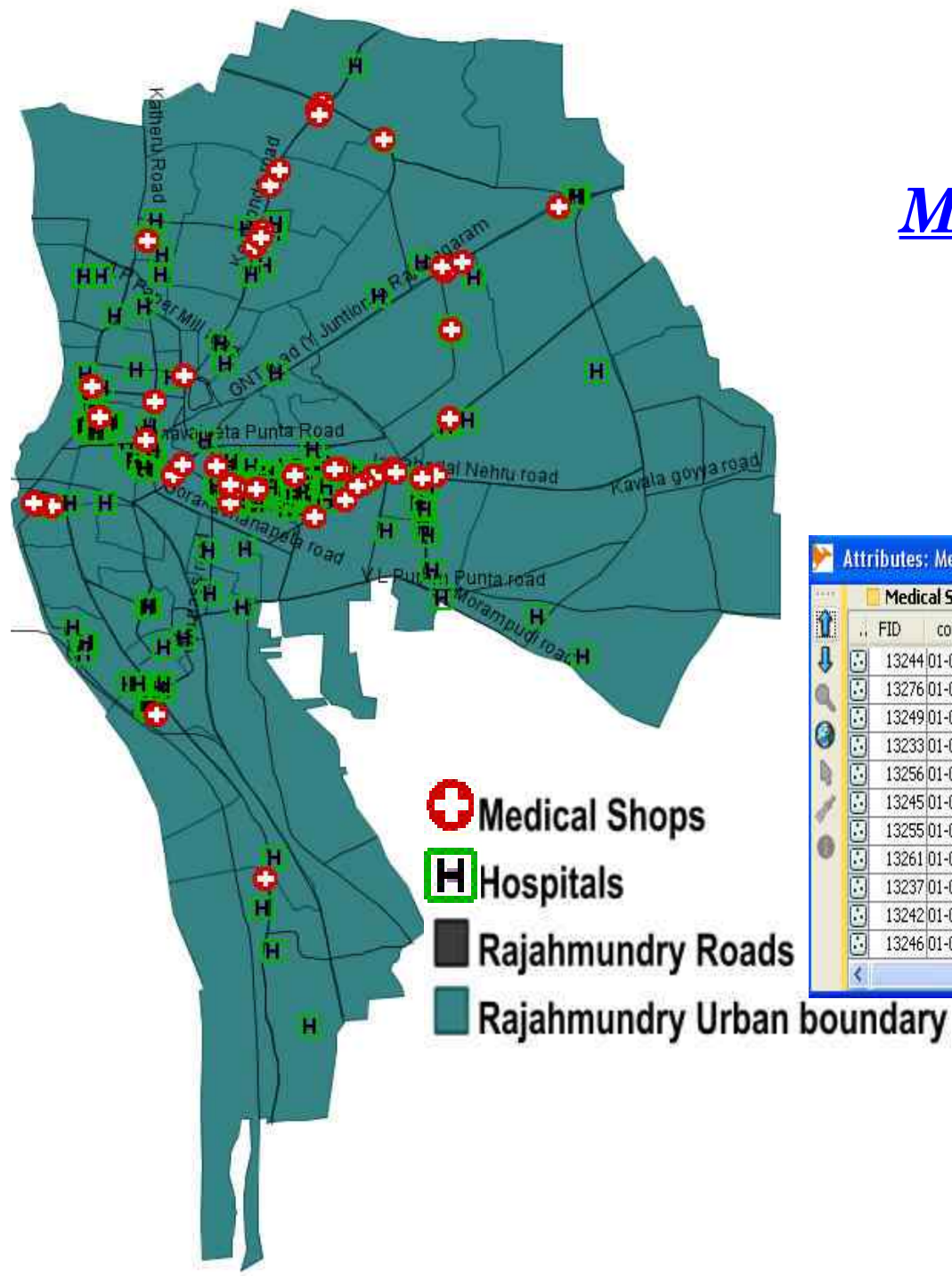
Attributes: Medical Shops

Medical Shops (48 Features)

| FID | code | name ▲ | address | speciality | type |
|---|---|---|---|---|---|
| 13244 | 01-01-05-03-05 | AMAR DRUGS | DANAVAIPETA | MEDICAL SHOP | PRIVATE |
| 13276 | 01-01-05-03-05 | AMMA MEDCIAL AND G... | LALACHERUVU ROAD | | PRIVATE |
| 13249 | 01-01-05-03-05 | ANDHRA MEDICALS | BESIDE MARKET YARD | MEDICAL SHOP | PRIVATE |
| 13233 | 01-01-05-03-05 | APOLLO PHARMACY | NEAR GANDHI PARK,DANVAIPETA | 24 HOURS PH... | PRIVATE |
| 13256 | 01-01-05-03-05 | APPOLO PHARMACY | DANAVAIPETA,OPP.JETTY TOWERS | MEDICAL PH... | PVT |
| 13245 | 01-01-05-03-05 | Apolo Pharmacy | Devi chowk | 24 HOURS M... | PRIVATE |
| 13255 | 01-01-05-03-05 | Balaji Medicals | Jampeta Gandhi Statue | MEDICAL SHOP | GOVER... |
| 13261 | 01-01-05-03-05 | GANESH MEDICAL AND ... | D.NO 72-3-1,NARAYANAPRRAM,LALA... | | PRIVATE |
| 13237 | 01-01-05-03-05 | GOVERNMENT OFFICE ... | NEAR MRO OFFICE | BLOOD BANK | GOVER... |
| 13242 | 01-01-05-03-05 | HAPPY MEDICALS | DANAVAIPETA | MEDICAL SHOP | PRIVATE |
| 13246 | 01-01-05-03-05 | HARISH MEDICALS | OPP.HARIKA DAIBETES | MEDICAL SHOP | PRIVATE |

**GIS Query**

*DENSITY ANAYLYSIS OF HOSPITALS*
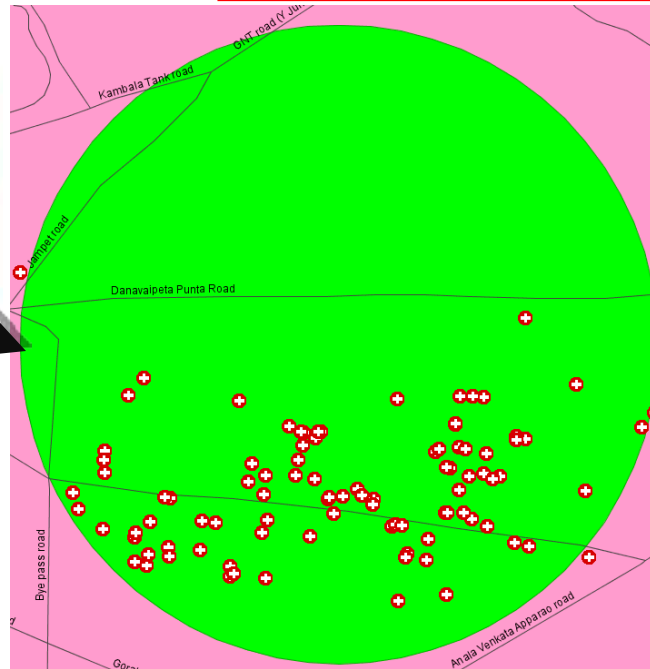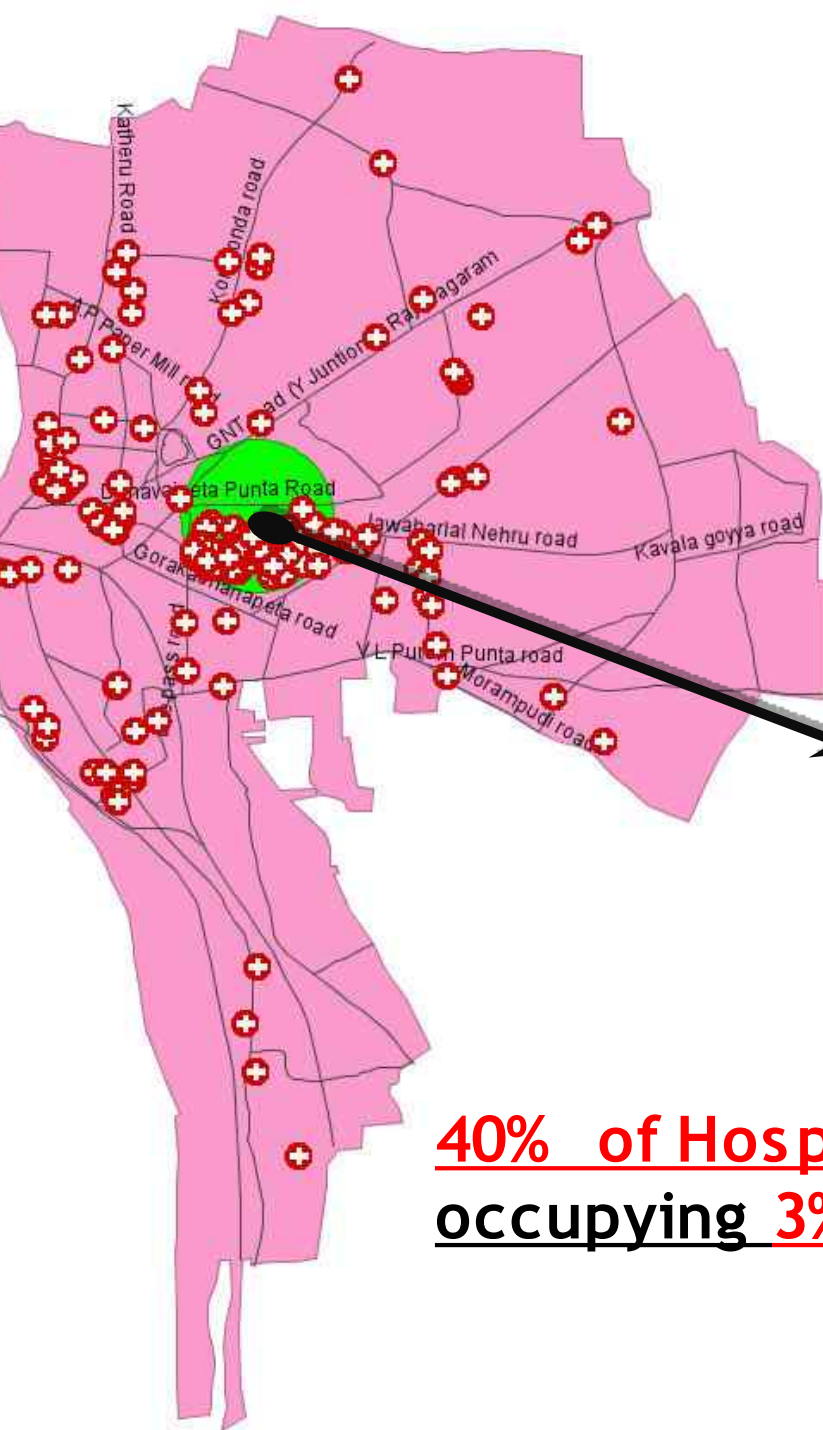
**40% of Hospitals within 500m radius occupying 3% of the area**

# GIS Query
# Electricity
## Area covered by substations In Rajahmundry Urban

132/33 K.V SS MALLAYYAPETA-D4

5.32

33/11 K.V LALACHERUVU-D5

33/11 K.V GODAVARI-D5
7.12

33/11 K.V WATER WORKS-D2

1.05

6.43

33/11 K.V MORAMPUDI-D6

33/11 K.V THADITHOTA-D1

33/11 K.V GOWTHAMI-D3
1.45

2.47

220/132/33 BOMMURU
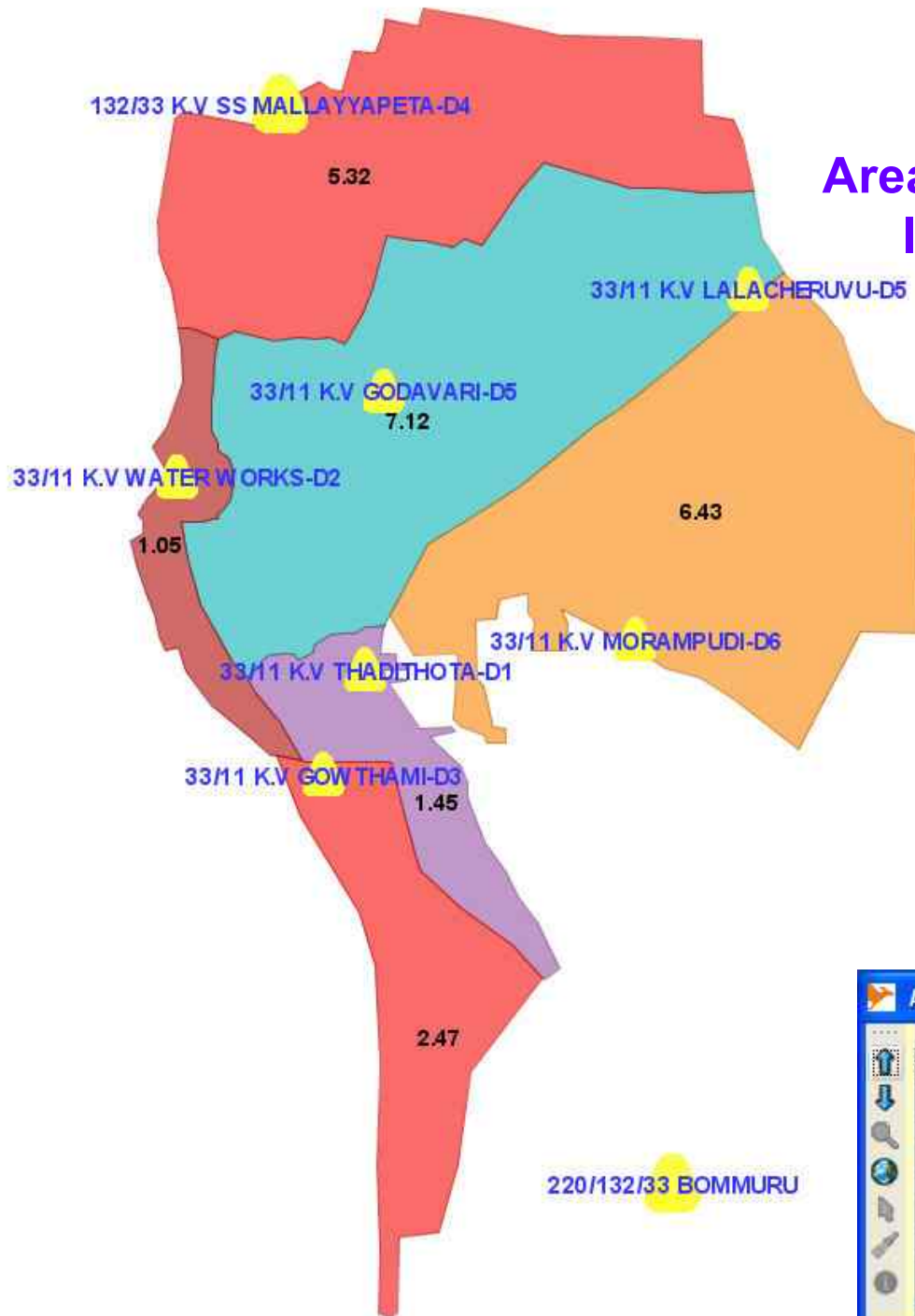
**Area covered by each substaion (Sq.km)**
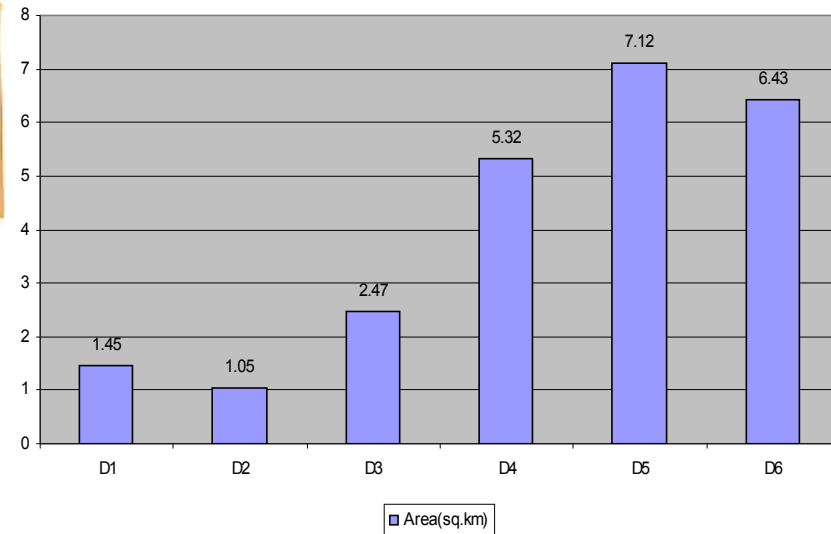


| | D1 | D2 | D3 | D4 | D5 | D6 |
| --- | --- | --- | --- | --- | --- | --- |
| Area(sq.km) | 1.45 | 1.05 | 2.47 | 5.32 | 7.12 | 6.43 |

■ Area(sq.km)

## Attributes: 33kv substations area123

### 33kv substations area123 (6 Features)

| treet Ligh | General Pur | TOTAL LT1 | HT1 | TOTAL LT+HT | Area(Sq,Km) |
| --- | --- | --- | --- | --- | --- |
| 146 | 37 | 19023 | 13 | 19036 | 7.12 |
| 84 | 110 | 17106 | 8 | 17114 | 1.45 |
| 105 | 80 | 20336 | 10 | 20346 | 6.43 |
| 81 | 61 | 17348 | 0 | 17348 | 5.32 |
| 88 | 90 | 17996 | 11 | 18007 | 2.47 |
| 83 | 103 | 17726 | 8 | 17734 | 1.05 |

# GIS Query
## COMMERCIAL CONNECTIONS IN RAJAHMUNDRY URBAN

URBAN

132/33 K.V SS MALLAYYAPETA-D
1197

33/11 K.V LALACHERUVU-D5

33/11 K.V GODAVARI-D5
2426

33/11 K.V WATER WORKS-D2
2903

1737

33/11 K.V MORAMPUDI-D6

33/11 K.V THADITHOTA-D1

33/11 K.V GOWTHAMI-D3
5429

2916

220/132/33 BOMMURU

**Commercial connections in Rajahmundry Urban**

| | |
|---|---|
| 6000 | |
| 5000 | 5429 |
| 4000 | |
| 3000 | 2903 2916 |
| 2000 | 2426 |
| 1000 | 1197 1737 |
| 0 | |
| | D1 D2 D3 D4 D5 D6 |
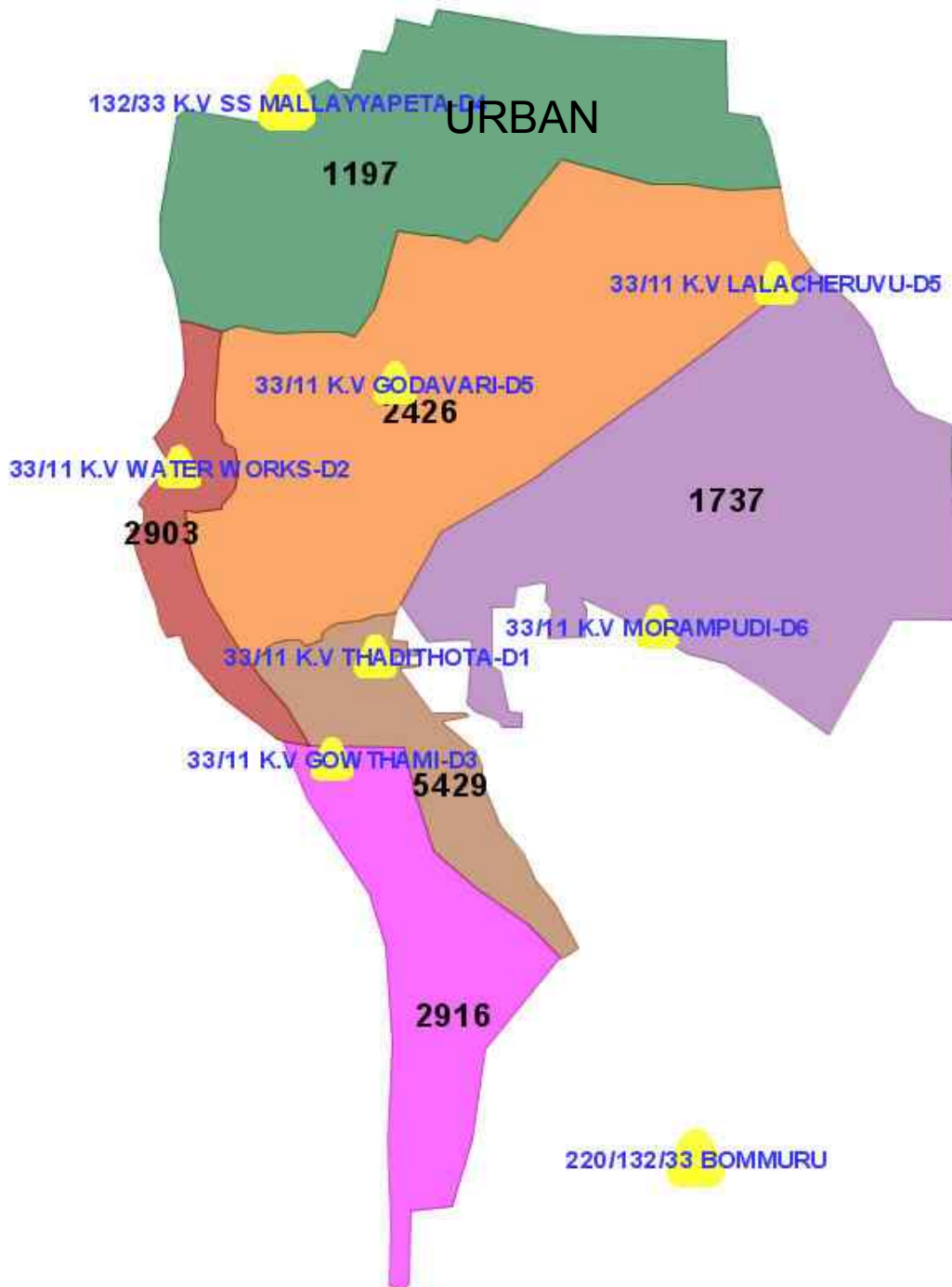
☐ Commercial connections
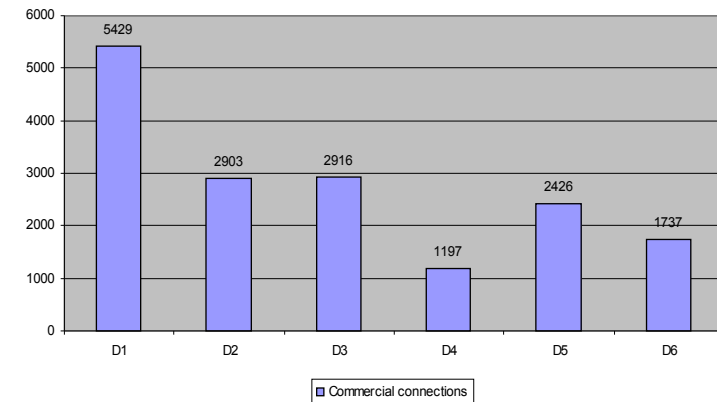
## Attributes: SUBSTATIONS COVER...

### SUBSTATIONS COVERAGE (6 Features)

| FID | S.NO | Domestic Se | Commercial |
|---|---|---|---|
| 37 | D5 | 16266 | 2426 |
| 38 | D1 | 11364 | 5429 |
| 39 | D6 | 17911 | 1737 |
| 40 | D4 | 15916 | 1197 |
| 41 | D3 | 14691 | 2916 |
| 42 | D2 | 14525 | 2903 |

**GIS Query**
# DOMESTIC CONNECTIONS IN RAJAHMUNDRY URBAN

# GIS Query
## AGRICULTURAL CONNECTIONS IN RAJAHMUNDRY URBAN
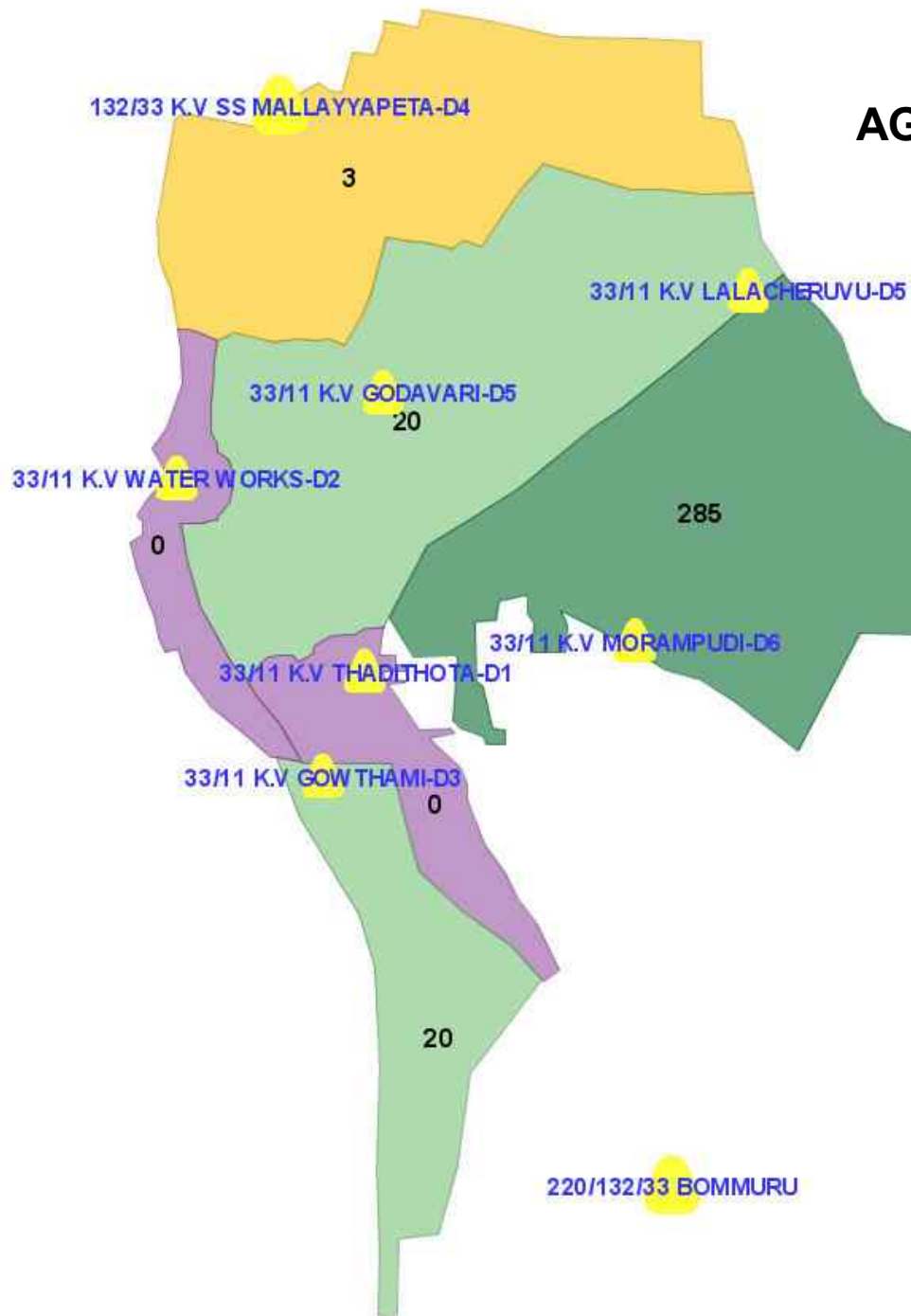
132/33 K.V SS MALLAYYAPETA-D4

3

33/11 K.V LALACHERUVU-D5

33/11 K.V GODAVARI-D5

20

33/11 K.V WATER WORKS-D2

0

285

33/11 K.V MORAMPUDI-D6

33/11 K.V THADITHOTA-D1

33/11 K.V GOWTHAMI-D3

0

20

220/132/33 BOMMURU

**Agricultural connections in Rajahmundry Urban**

| | D1 | D2 | D3 | D4 | D5 | D6 |
|---|----|----|----|----|----|----|
| Agricultural connections | 0 | 0 | 20 | 3 | 20 | 285 |

☐ Agricultural connections
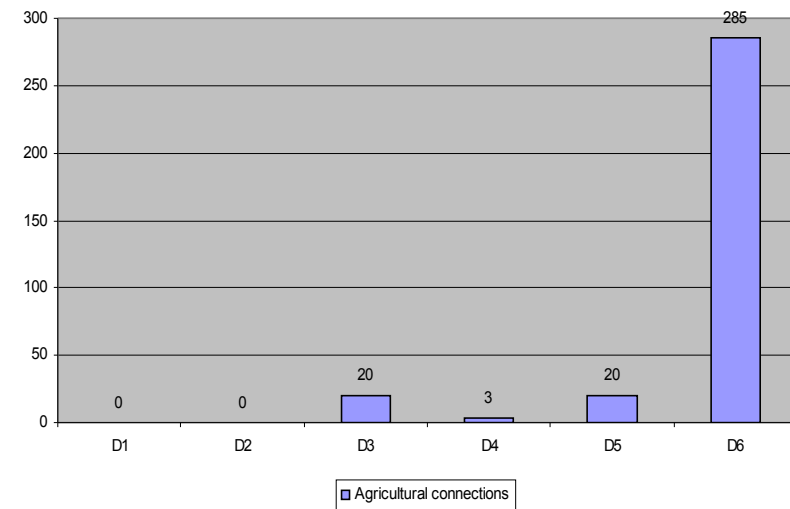
**Attributes: 33kv substations area123**

**33kv substations area123 (6 Features)**

| Commercial | Industrial | LT Cottage | Agricultura |
|-----------|-----------|-----------|------------|
| 2426 | 128 | 0 | 20 |
| 5429 | 117 | 2 | 0 |
| 1737 | 189 | 29 | 285 |
| 1197 | 89 | 1 | 3 |
| 2916 | 189 | 2 | 20 |
| 2903 | 111 | 1 | 0 |

# GIS Query
# GENERAL PURPOSE CONNECTIONS
# IN
# RAJAHMUNDRY URBAN



132/33 K.V SS MALLAYYAPETA-D4
61

33/11 K.V LALACHERUVU-D5

33/11 K.V GODAVARI-D5
37

33/11 K.V WATER WORKS-D2
103

80

33/11 K.V MORAMPUDI-D6

33/11 K.V THADITHOTA-D1

33/11 K.V GOWTHAMI-D3
110

90

220/132/33 BOMMURU

General Purpose connections in Rajahmundry Urban



Chart data:
- D1: 110
- D2: 103
- D3: 90
- D4: 61
- D5: 37
- D6: 80
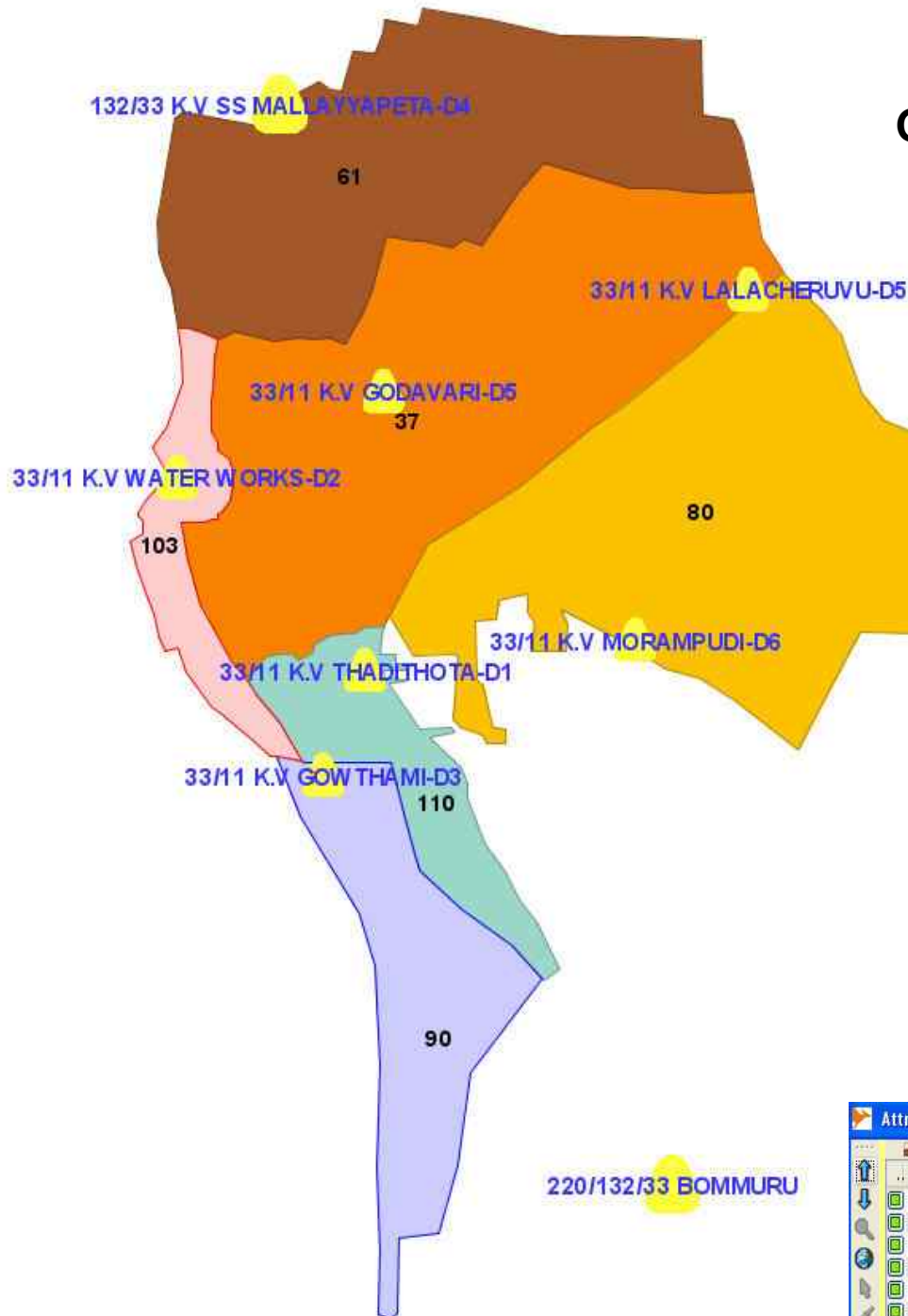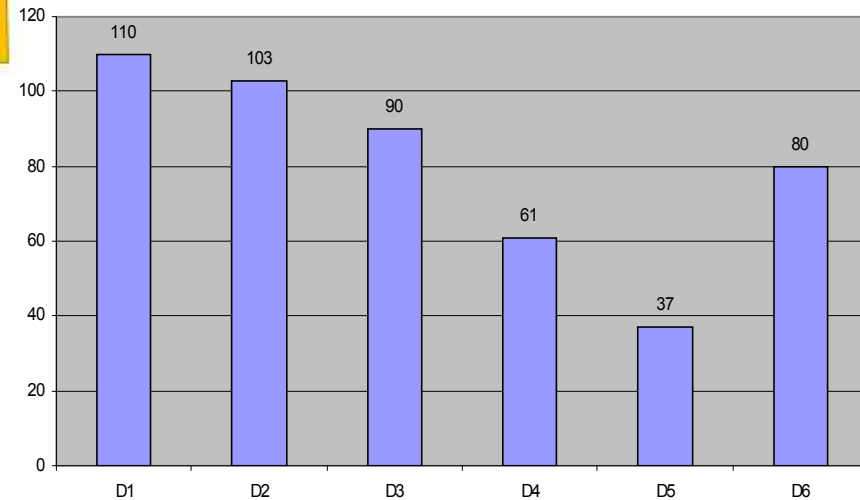
General Purpose connections

## Attributes: 33kv substations area123

### 33kv substations area123 (6 Features)

| FID | S.NO | Domestic Se | Commercial | Industrial | LT Cottage | Agricultura | Street Ligh | General Pur |
|-----|------|-------------|------------|------------|------------|-------------|-------------|-------------|
| 70 | D5 | 16266 | 2426 | 128 | 0 | 20 | 146 | 37 |
| 71 | D1 | 11364 | 5429 | 117 | 2 | 0 | 84 | 110 |
| 72 | D6 | 17911 | 1737 | 189 | 29 | 285 | 105 | 80 |
| 73 | D4 | 15916 | 1197 | 89 | 1 | 3 | 81 | 61 |
| 74 | D3 | 14691 | 2916 | 189 | 2 | 20 | 88 | 90 |
| 75 | D2 | 14525 | 2903 | 111 | 1 | 0 | 83 | 103 |

**GIS Query**
**INDUSTRIAL CONNECTIONS IN RAJAHMUNDRY URBAN**

# GIS Query

## TOTAL CONNECTIONS
## IN
## RAJAHMUNDRY URBAN

**TOTAL LT+HT Connections**

132/33 K.V SS MALLAYYAPETA-D4 — 17348

33/11 K.V LALACHERUVU-D5

33/11 K.V GODAVARI-D5 — 19036

33/11 K.V WATER WORKS-D2 — 17734

20346

33/11 K.V MORAMPUDI-D6

33/11 K.V THADITHOTA-D1

33/11 K.V GOWTHAMI-D3 — 17114

18007

220/132/33 BOMMURU



Chart: TOTAL LT+HT

| | D1 | D2 | D3 | D4 | D5 | D6 |
|---|---|---|---|---|---|---|
| TOTAL LT+HT | 17114 | 17734 | 18007 | 17348 | 19036 | 20346 |
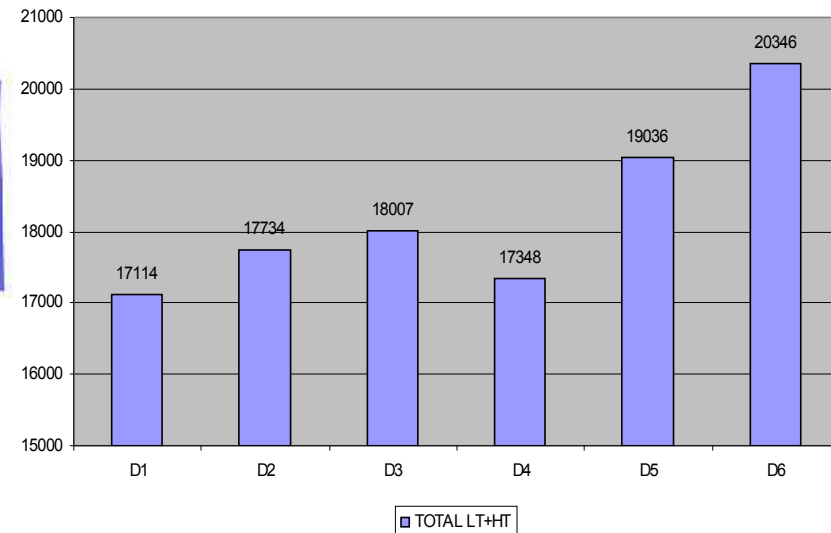
**Attributes: 33kv substations coverage**

33kv substations coverage (6 Features)

| strial | LT Cottage | Agricultura | Street Ligh | General Pur | TOTAL LT1 | HT1 | TOTAL LT+HT | Ar |
|---|---|---|---|---|---|---|---|---|
| 128 | 0 | 20 | 146 | 37 | 19023 | 13 | 19036 | |
| 117 | 2 | 0 | 84 | 110 | 17106 | 8 | 17114 | |
| 189 | 29 | 285 | 105 | 80 | 20336 | 10 | 20346 | |
| 89 | 1 | 3 | 81 | 61 | 17348 | 0 | 17348 | |
| 189 | 2 | 20 | 88 | 90 | 17996 | 11 | 18007 | |
| 111 | 1 | 0 | 83 | 103 | 17726 | 8 | 17734 | |
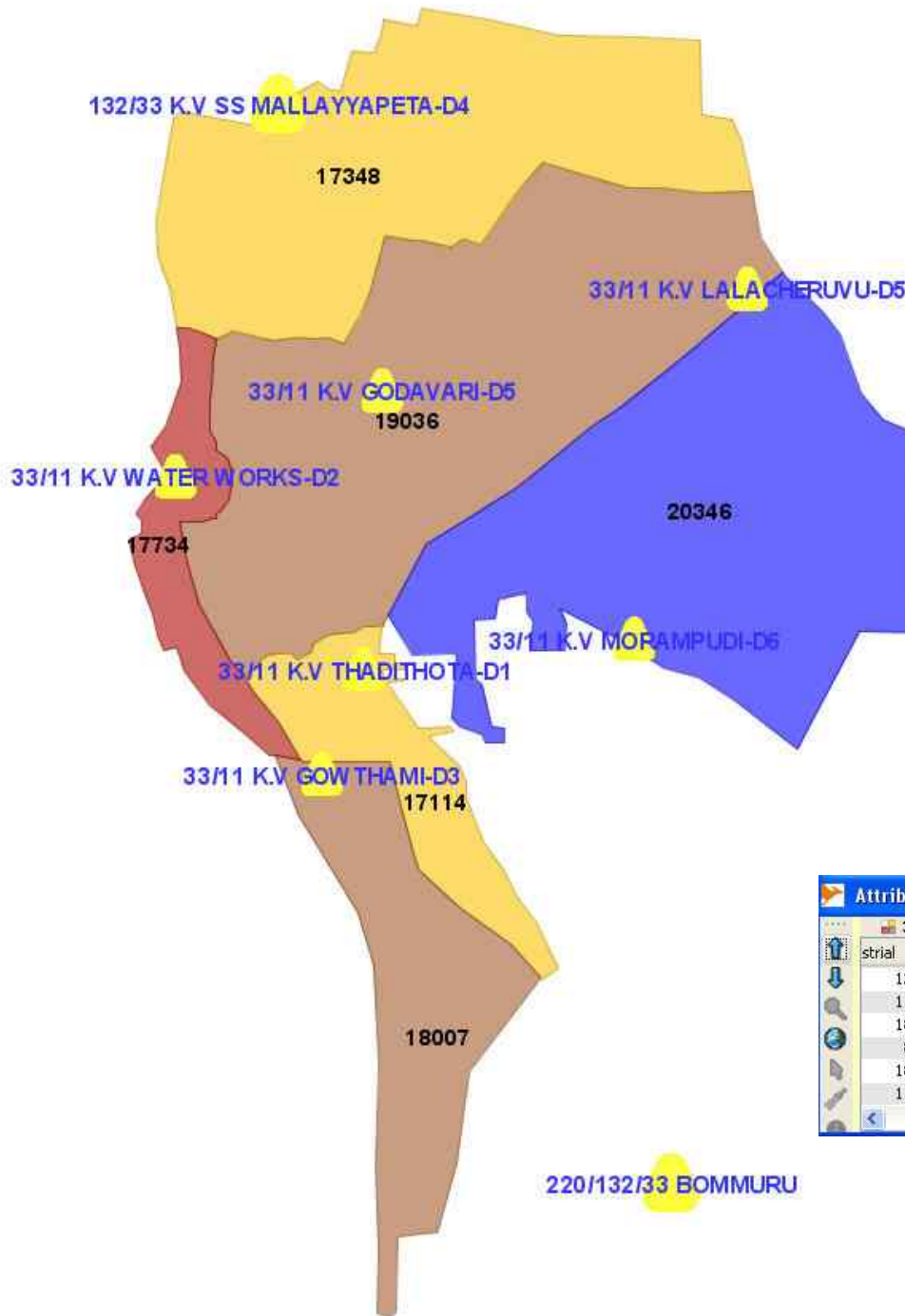
# GIS Query
## STREET LIGHT CONNECTIONS
## IN
## RAJAHMUNDRY URBAN
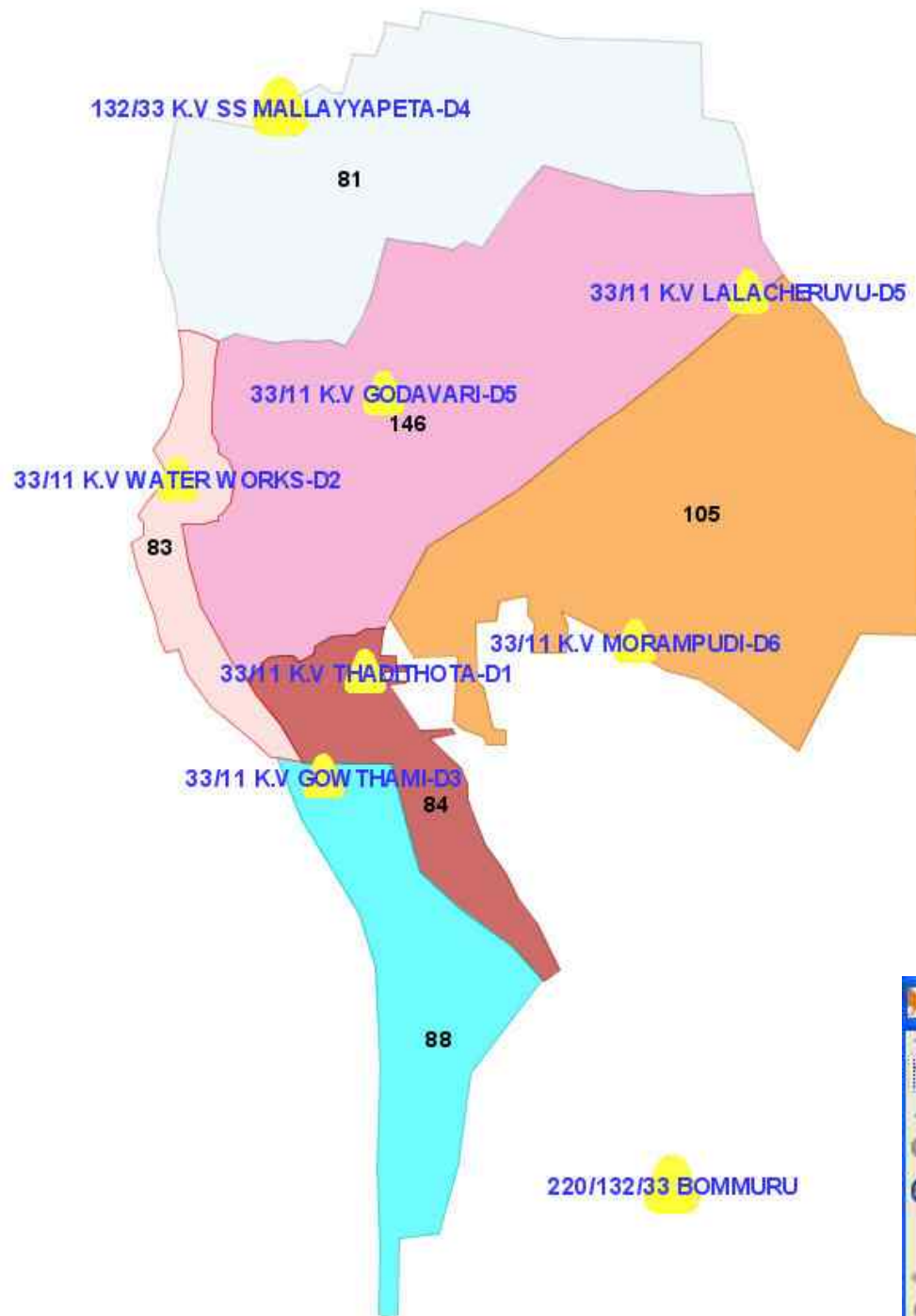
**Street Light connections in Rajahmundry Urban**

Map labels:
- 132/33 K.V SS MALLAYYAPETA-D4 — 81
- 33/11 K.V LALACHERUVU-D5
- 33/11 K.V GODAVARI-D5 — 146
- 33/11 K.V WATER WORKS-D2 — 83
- 105
- 33/11 K.V MORAMPUDI-D6
- 33/11 K.V THADITHOTA-D1
- 33/11 K.V GOWTHAMI-D3 — 84
- 88
- 220/132/33 BOMMURU

Chart values: D1 = 84, D2 = 83, D3 = 88, D4 = 81, D5 = 146, D6 = 105

Street Light connections
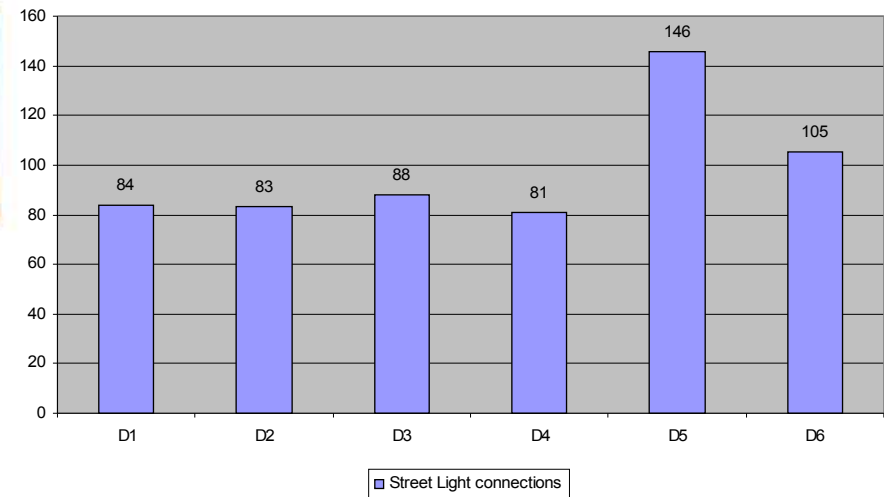
**Attributes: 33kv substations coverage**

33kv substations coverage (6 Features)

| LT Cottage | Agricultura | Street Ligh | General Pur | TOTAL LT1 | HT1 |
|---|---|---|---|---|---|
| 0 | 20 | 146 | 37 | 19023 | |
| 2 | 0 | 84 | 110 | 17106 | |
| 29 | 285 | 105 | 80 | 20336 | |
| 1 | 3 | 81 | 61 | 17348 | |
| 2 | 20 | 88 | 90 | 17996 | |
| 1 | 0 | 83 | 103 | 17726 | |

**Attributes: slums**

slums (74 Features)

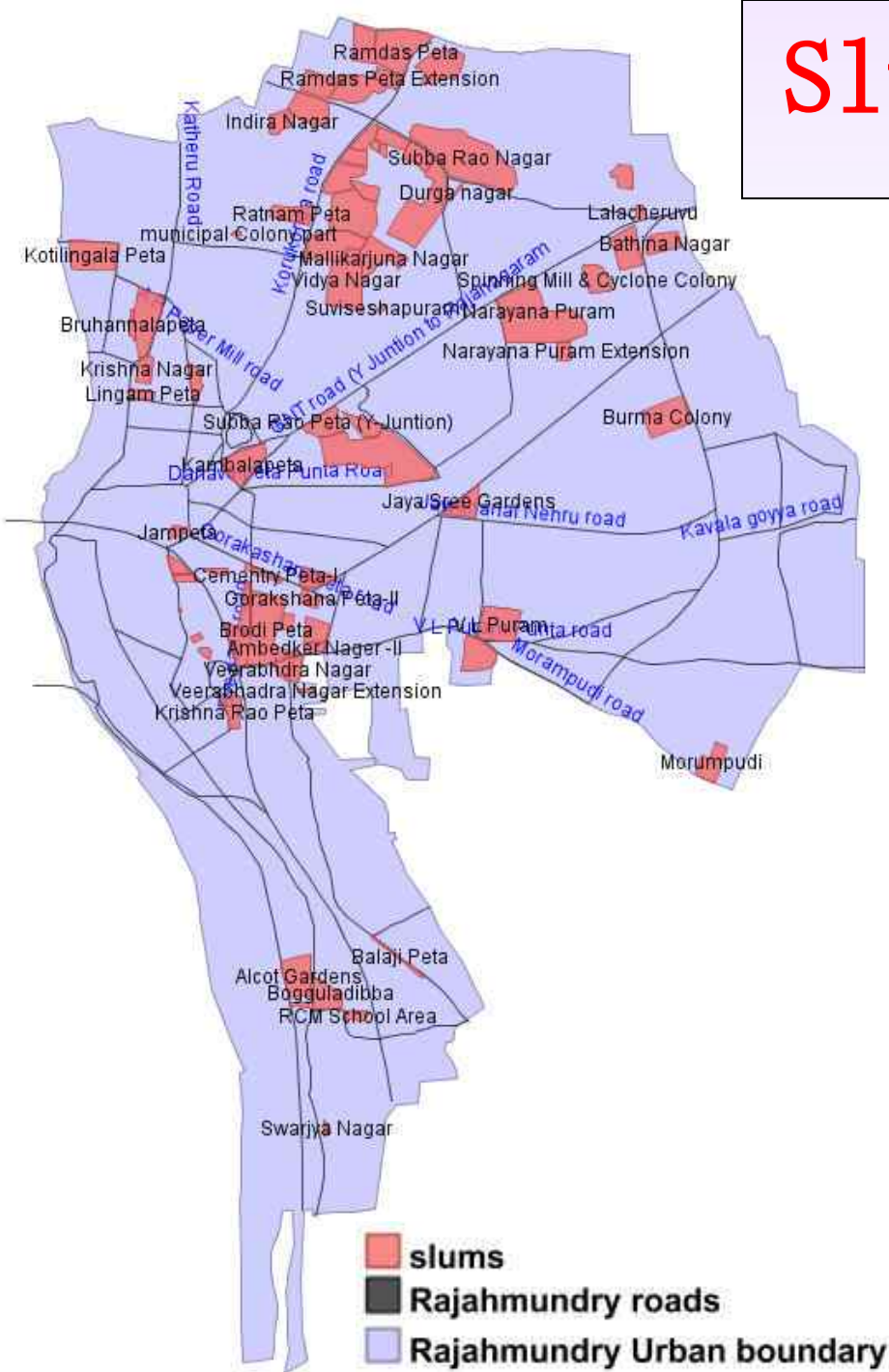| FID | code ∧ | name | Ward No | Population | Own Pattas | Total House | % of Patta |
|-----|--------|------|---------|-----------|-----------|-------------|-----------|
| 1663 | 1 | Ambedkar Na… | 13 | 1103 | 166 | 264 | 62.879 |
| 1664 | 2 | Ambedker Na… | 13 | 575 | 101 | 122 | 82.787 |
| 1669 | 3 | Anand Nagar | 46 | 1894 | 109 | 576 | 18.924 |
| 1676 | 4 | Annapurnam… | 31 | 1419 | 4 | 441 | 0.907 |
| 1684 | 5 | Balaji Peta | 16 | 1281 | 190 | 287 | 66.202 |
| 1658 | 6 | Bathina Nagar | 1 | 839 | 158 | 353 | 44.759 |
| 1687 | 7 | Bathinavari s… | 18 | 125 | 2 | 26 | 7.6923 |
| 1686 | 8 | Bogguladibba | 17 | 981 | 62 | 219 | 28.319 |
| 1661 | 9 | Brodi Peta | 14 | 7158 | 634 | 1522 | 41.656 |
| 1693 | 10 | Bruhannalapeta | 40 | 1421 | 0 | 349 | 0.0 |
| 1696 | 11 | Burma Colony | 9 | 1387 | 223 | 303 | 73.537 |
| 1673 | 12 | Cementry Pe… | 6 | 740 | 80 | 144 | 55.556 |
| 1710 | 12 | Cementary P… | 7 | 740 | 80 | 144 | 55.556 |
| 1722 | 14 | Chowdeswar… | 50 | 441 | 57 | 95 | 60.0 |
| 1679 | 15 | Cigideelapeta | 28 | 836 | 48 | 173 | 27.764 |
| 1699 | 16 | Eswar nagar | 48 | 359 | 25 | 83 | 30.12 |
| 1668 | 17 | Gadireddy Na… | 45 | 801 | 2 | 188 | 1.0638 |
| 1680 | 18 | Goleeladibba | 28 | 385 | 54 | 79 | 68.354 |
| 1674 | 19 | Gorakshana … | 14 | 1402 | 5 | 321 | 1.5576 |
| 1675 | 20 | Gorakshana … | 13 | 560 | 78 | 145 | 53.793 |
| 1714 | 21 | Gubelu Peta | 29 | 543 | 9 | 123 | 7.3171 |
| 1716 | 22 | Jampeta | 33 | 589 | 71 | 118 | 60.168 |
| 1659 | 23 | Jaya Sree Ga… | 11 | 1610 | 107 | 365 | 29.315 |
| 1689 | 24 | Kambalapeta | 5 | 1800 | 130 | 390 | 33.333 |
| 1649 | 25 | Kotilingala Peta | 41 | 2219 | 202 | 486 | 41.564 |
| 1655 | 26 | Mallikarjuna … | 21 | 2492 | 246 | 540 | 45.556 |
| 1678 | 27 | Medar Peta | 30 | 2442 | 132 | 508 | 25.984 |
| 1702 | 28 | Mehar Nagar | 47 | 199 | 33 | 43 | 76.744 |
| 1683 | 29 | Morumpudi | 26 | 744 | 96 | 112 | 85.714 |
| 1672 | 30 | Narayana Pu… | 1 | 788 | 56 | 178 | 31.461 |
| 1690 | 31 | Nehrunagar | 3 | 1753 | 193 | 427 | 44.965 |
| 1707 | 32 | P&T colony | 44 | 1223 | 105 | 283 | 37.102 |
| 1701 | 33 | Padmasali Peta | 47 | 311 | 9 | 66 | 13.636 |
| 1685 | 34 | RCM School … | 17 | 405 | 51 | 89 | 57.303 |
| 1691 | 35 | Rajendra Nagar | 4 | 8223 | 2 | 1869 | 0.107 |
| 1665 | 36 | Ramdas Peta | 46 | 532 | 89 | 124 | 71.774 |
| 1652 | 37 | Ramdas Peta… | 46 | 2470 | 610 | 690 | 88.406 |
| 1654 | 38 | Ratnam Peta | 11 | 535 | 121 | 121 | 100.0 |
| 1698 | 39 | sanjeevayya… | 48 | 2598 | 380 | 555 | 68.466 |
| 1705 | 40 | Saramgadhar… | 47 | 459 | 45 | 101 | 44.554 |
| 1704 | 41 | Saramgadha… | 47 | 869 | 46 | 189 | 24.339 |
| 1708 | 42 | Seetam peta | 40 | 1907 | 350 | 427 | 81.967 |
| 1703 | 43 | Seshagiri Nagar | 47 | 968 | 65 | 186 | 34.946 |
| 1700 | 44 | Siddartha nagar | 47 | 780 | 64 | 189 | 33.862 |
| 1657 | 45 | Spinning Mill … | 24 | 1173 | 155 | 282 | 54.965 |

# GIS Query Slum Information

## Population



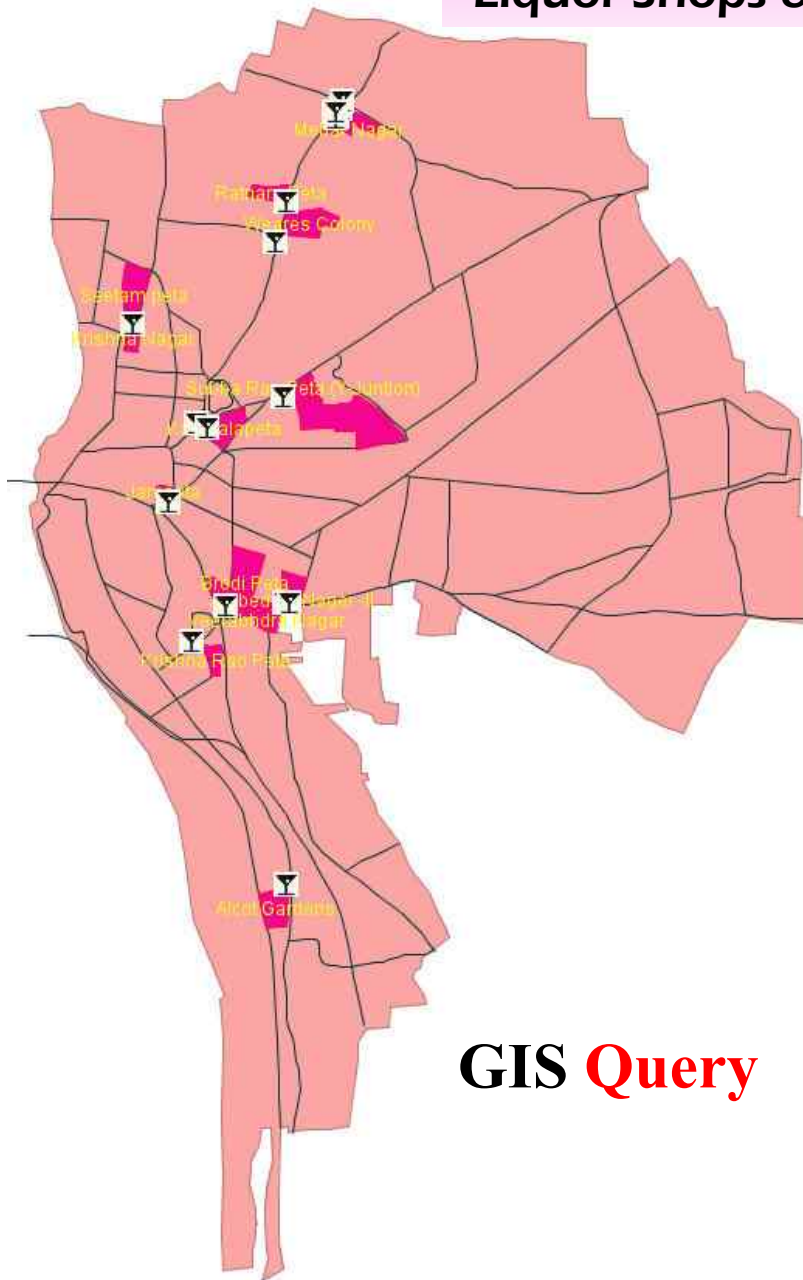| | 0 - 1000 |
|---|---|
| | 1000 - 2000 |
| | 2000 - 3000 |
| | 3000 - 4000 |
| | 4000 - 5000 |
| | 5000  > |
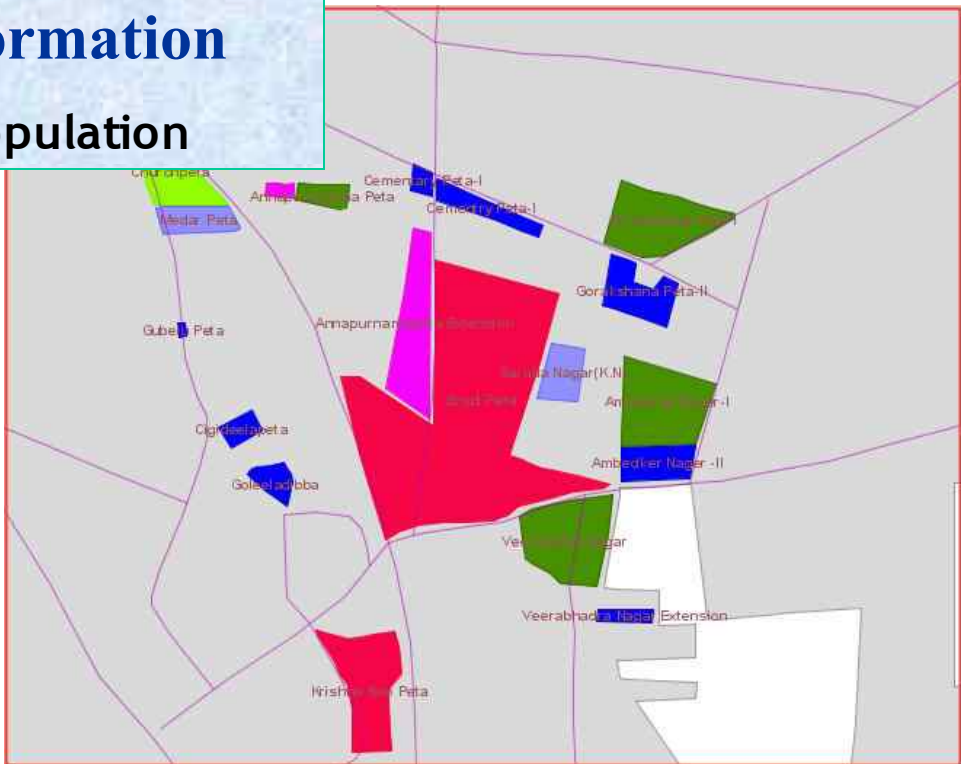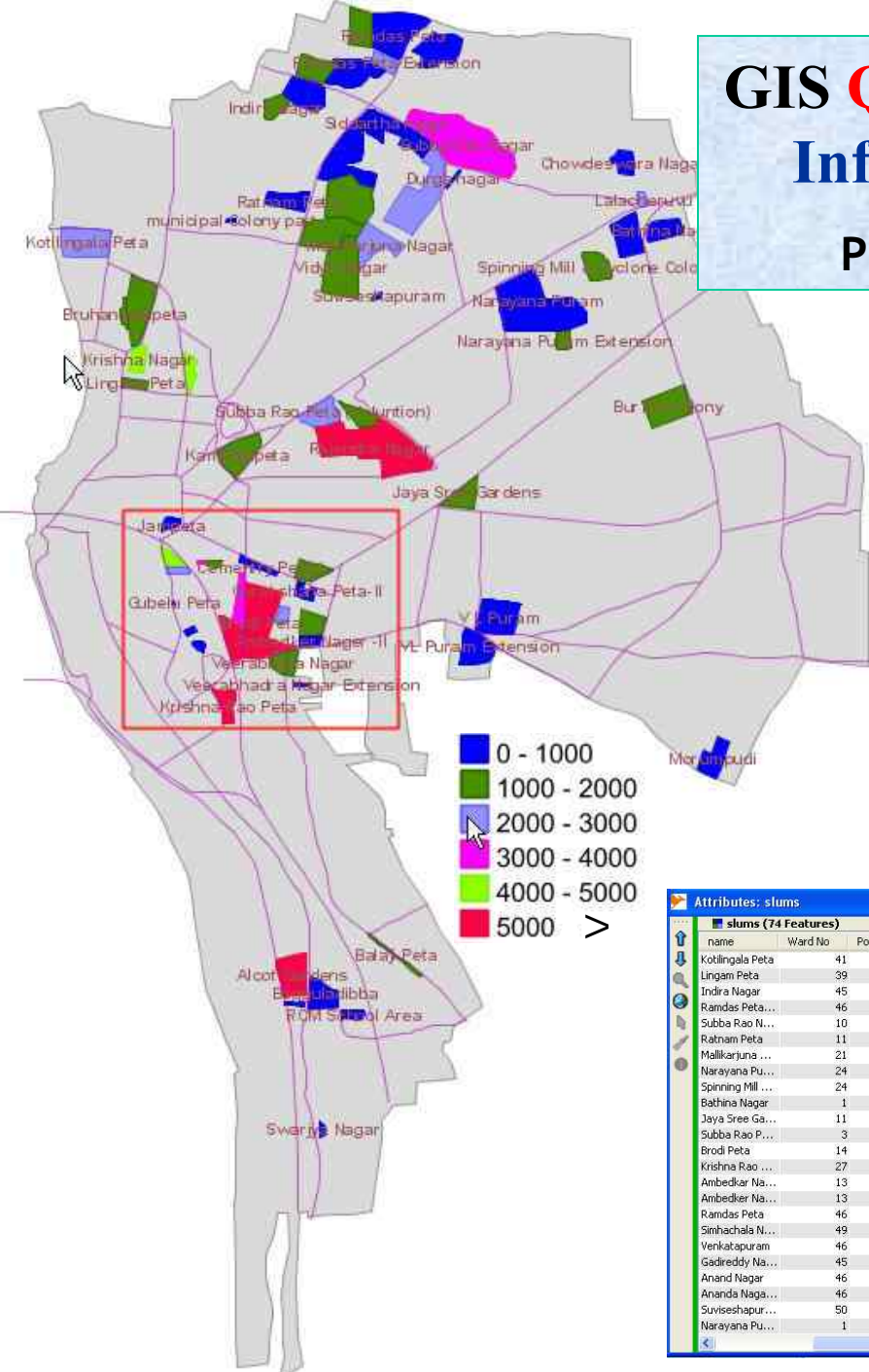
**Attributes: slums**

slums (74 Features)

| name | Ward No | Population | Own Pattas | Total House | % of Patta | Good Access | Strong Comm | TARGET NO.O | NO.OF SHGs | NO.OF SHGs | TOTAL CUMUL | SHGs Exces |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kotilingala Peta | 41 | 2219 | 202 | 486 | 41.564 | yes | yes | 24 | 19 | 14 | 33 | +9 |
| Lingam Peta | 39 | 1320 | 0 | 264 | 0.0 | yes | yes | 32 | 45 | 4 | 49 | +17 |
| Indira Nagar | 45 | 1750 | 350 | 350 | 100.0 | yes | yes | 19 | 18 | 3 | 21 | +2 |
| Ramdas Peta... | 46 | 2470 | 610 | 690 | 88.406 | yes | yes | 46 | 45 | 8 | 53 | +7 |
| Subba Rao N... | 10 | 3162 | 330 | 689 | 47.896 | yes | yes | 32 | 32 | 0 | 32 | 0 |
| Ratnam Peta | 11 | 535 | 121 | 121 | 100.0 | yes | yes | 16 | 8 | 2 | 10 | -6 |
| Mallikarjuna ... | 21 | 2492 | 246 | 540 | 45.556 | yes | yes | 20 | 22 | 6 | 28 | +8 |
| Narayana Pu... | 24 | 1260 | 0 | 252 | 0.0 | No | Yes | 18 | 17 | 1 | 18 | 0 |
| Spinning Mill ... | 24 | 1173 | 155 | 282 | 54.965 | NO | Yes | 19 | 12 | 2 | 14 | -5 |
| Bathina Nagar | 1 | 839 | 158 | 353 | 44.759 | No | Yes | 17 | 21 | 4 | 25 | +8 |
| Jaya Sree Ga... | 11 | 1610 | 107 | 365 | 29.315 | No | No | 14 | 9 | 0 | 9 | -5 |
| Subba Rao P... | 3 | 2243 | 194 | 507 | 38.264 | No | Yes | 29 | 15 | 14 | 29 | 0 |
| Brodi Peta | 14 | 7158 | 634 | 1522 | 41.656 | Yes | Yes | 37 | 39 | 4 | 43 | +6 |
| Krishna Rao ... | 27 | 5750 | 0 | 1150 | 0.0 | Yes | Yes | 37 | 28 | 10 | 38 | +1 |
| Ambedkar Na... | 13 | 1103 | 166 | 264 | 62.879 | Yes | Yes | 22 | 20 | 2 | 22 | 0 |
| Ambedkar Na... | 13 | 575 | 101 | 122 | 82.787 | Yes | YES | 35 | 15 | 4 | 19 | -16 |
| Ramdas Peta | 46 | 532 | 89 | 124 | 71.774 | YES | YES | 35 | 22 | 15 | 37 | +2 |
| Simhachala N... | 49 | 0 | 0 | 0 | 0.0 | | | 24 | 24 | 3 | 27 | +3 |
| Venkatapuram | 46 | 1048 | 224 | 227 | 98.678 | yes | | 31 | 35 | 5 | 40 | +9 |
| Gadireddy Na... | 45 | 801 | 2 | 188 | 1.0638 | yes | yes | 10 | 8 | 3 | 11 | +1 |
| Anand Nagar | 46 | 1894 | 109 | 576 | 18.924 | yes | yes | 60 | 69 | 4 | 73 | +13 |
| Ananda Naga... | 46 | 263 | 0 | 58 | 0.0 | | | 20 | 21 | 5 | 26 | +6 |
| Suviseshapur... | 50 | 379 | 46 | 84 | 54.762 | yes | yes | 3 | 1 | 2 | 3 | 0 |
| Narayana Pu... | 1 | 788 | 56 | 178 | 31.461 | NO | YES | 34 | 22 | 4 | 26 | -8 |

# Liquor Shops & Bars within a distance of 100m from Slums



**Attributes: slums-is within distance**

slums-is within distance (17 Features)

| FID | code | name ^ | Ward No | Population | Own Pattas | Total House | % of Patta |
|-----|------|--------|---------|------------|------------|-------------|------------|
| 2385 | 59 | Krishna Nagar | 39 | 4450 | 890 | 890 | 100.0 |
| 2383 | 58 | Alcot Gardens | 18 | 6250 | 0 | 1250 | 0.0 |
| 2394 | 1 | Ambedkar Nager-I | 13 | 1103 | 166 | 264 | 62.879 |
| 2395 | 2 | Ambedkar Nager -II | | | 101 | 122 | 82.787 |
| 2386 | 9 | Brodi Peta | 14 | 7158 | 634 | 1522 | 41.656 |
| 2392 | 22 | Jampeta | 33 | 589 | 71 | 118 | 60.168 |
| 2388 | 24 | Kambalapeta | 5 | 1800 | 130 | 390 | 33.333 |
| 2382 | 57 | Krishna Rao Peta | 27 | 5750 | 0 | 1150 | 0.0 |
| 2389 | 28 | Mehar Nagar | 47 | 199 | 33 | 43 | 76.744 |
| 2396 | 35 | Rajendra Nagar | 4 | 8223 | 2 | 1869 | 0.107 |
| 2387 | 38 | Ratnam Peta | 11 | 535 | 121 | 121 | 100.0 |
| 2381 | 42 | Seetam peta | 40 | 1907 | 350 | 427 | 81.967 |
| 2390 | 43 | Seshagiri Nagar | 47 | 968 | 65 | 186 | 34.946 |
| 2393 | 44 | Siddartha nagar | 47 | 780 | 64 | 189 | 33.862 |
| 2391 | 47 | Subba Rao Peta (Y-Ju... | 3 | 2243 | 194 | 507 | 38.264 |
| 2384 | 51 | Veerabhdra Nagar | 16 | 1322 | 107 | 284 | 37.676 |
| 2397 | 56 | Weares Colony | 43 | 1655 | 118 | 379 | 31.135 |

Note: Ward No [slums-is within distance]

## GIS Query

**Attributes: wine shop within distance 100**

wine shop within distance 100 (19 Features)

| FID | code | name ^ | address |
|-----|------|--------|---------|
| 2371 | 01-01-08-10-00 | BRANDY SHOP | OPP.JAMPETA MARKET |
| 2376 | 01-01-08-10-00 | BRANDY SHOP | BYPASS ROAD, TADI THOTA |
| 2365 | 01-01-08-10-00 | LAKSHMI CAFE WINES | NEAR EIDU BALLA MARKET |
| 2379 | 01-01-08-10-00 | MENAKA REDDY RESTAURANT&BAR | RTC COMPLEX ROAD,RAJAHMUNDRY |
| 2375 | 01-01-08-10-00 | NAVEENA WINES | KORUKONDA ROAD ,SARINGADHARA METTA AREA |
| 2363 | 01-01-08-10-00 | NAVENA BAR AND RESTAURANT | QUERY MARKET JUNCTION |
| 2364 | 01-01-08-10-00 | PALIKA WINES | RTC COMPLEX ROAD,RAJAHMUNDRY |
| 2366 | 01-01-08-10-00 | RAIDU BAR&RESTURANT | EIDUBALLA MARKET,NEAR RAILWAY STATION |
| 2360 | 01-01-08-10-00 | RAJA WINES | KANTIPUDI SHOPING COMPLEX |
| 2369 | 01-01-08-10-00 | Ramba Wines | Katheru Road |
| 2373 | 01-01-08-10-00 | SARIGAMA BAR &RESTAURANT | OPPOSITE RAJA THEATRE |
| 2368 | 01-01-08-10-00 | SIVA SAI WINE SHOP | KORUKONDA ROAD, |
| 2378 | 01-01-08-10-00 | SREE DEVI BAR AND RESTURANT | QUERRY MARKET |
| 2372 | 01-01-08-10-00 | SRI DEVI BAR &RESTURENT | KORUKONDA ROAD,QUARY AREA |
| 2362 | 01-01-08-10-00 | SRI SUDHA BAR& RESTAURANT | STADIUM ROAD |
| 2361 | 01-01-08-10-00 | TEJA WINE SHOP | QUERRY MARKET JUNCTION |
| 2367 | 01-01-08-10-00 | TEJA WINES | KORUKONDA ROAD |
| 2377 | 01-01-08-10-00 | WINE SHOP | KAMBALA CHERUVU,OPP ANDHRA BANK ATM |
| 2370 | 01-01-08-10-00 | rama Wines | Opp.Strret of Hanuman Temple |

# GIS Query

## Spread of Fair Price shops and Slums
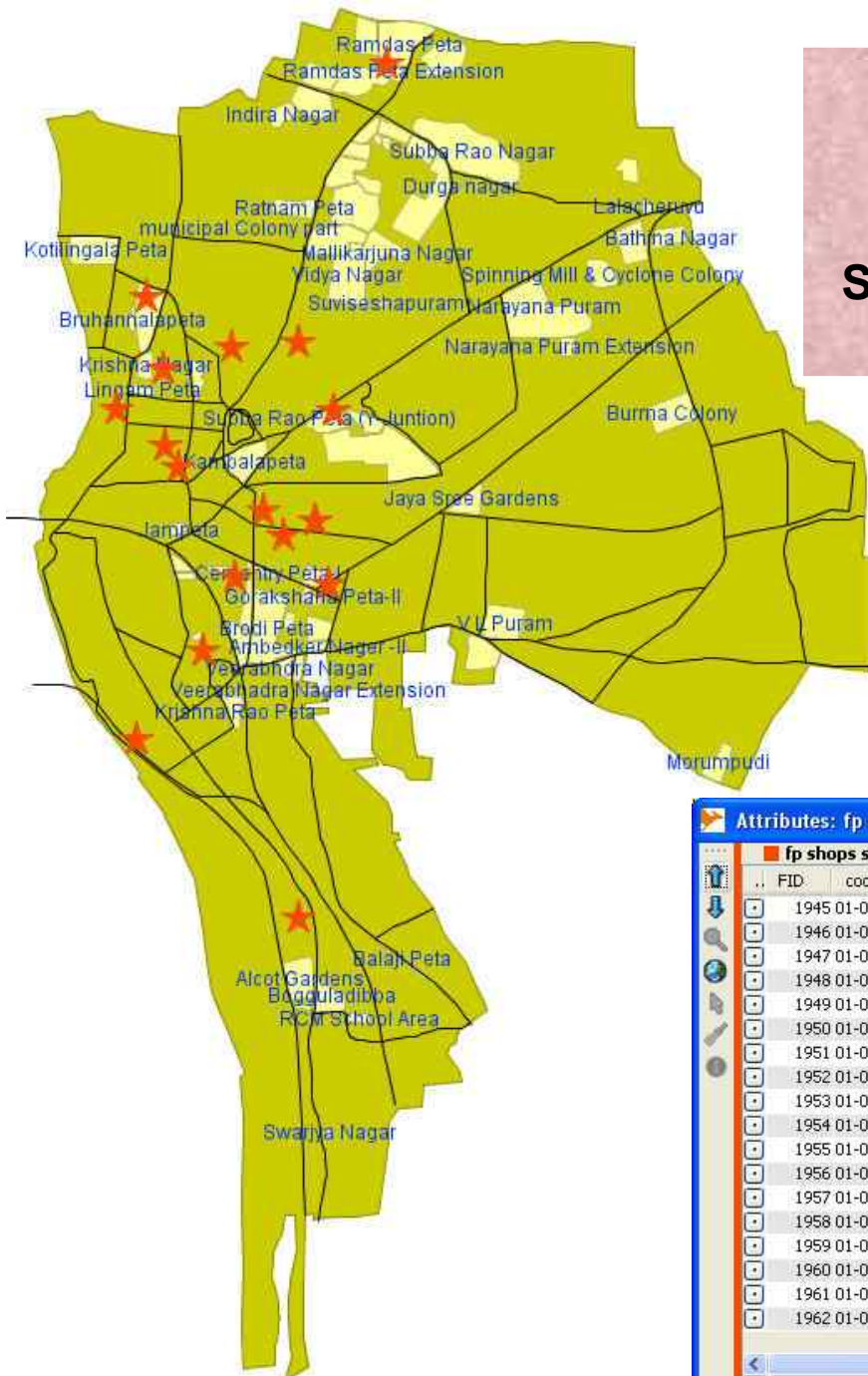
**Attributes: fp shops spreading**

**fp shops spreading (18 Features)**

| FID | code | name | address |
|-----|------|------|---------|
| 1945 | 01-01-08-01-01 | PRABHUTVA CHOUKA DHARALA DUKANAM | NEAR SAMHITA SCANNIN CENTER,DANAVAIPETA |
| 1946 | 01-01-08-01-01 | PRABUTHVA CHOWKA BHARALA DHUKANAM SHOPE NO:8 | |
| 1947 | 01-01-08-01-01 | PRABHUTVA CHOUKA DHARALA DUKANAM,SHOP NO:4 | KANNAMAMBA TEMLE STREET |
| 1948 | 01-01-08-01-01 | F.P.SHOP | BOSUBOMMA DOWN,PANDILLA PALLI SRINIVAS ROAD |
| 1949 | 01-01-08-01-01 | PRABHUTVA CHOUKA DARALA DUKANAM,SHOP NO:58 | GORAKSHANA PETA |
| 1950 | 01-01-08-01-01 | PRABHUTVA CHOUKA DHARALA DUKANAM SHOP NO:45 | MANGALA VARAPU PETA,RAJAHMUNDRY |
| 1951 | 01-01-08-01-01 | F.P SHOP NO:60 | DANAVAIPETA |
| 1952 | 01-01-08-01-01 | F.P.SHOPNO 23 | KORLMAPETA |
| 1953 | 01-01-08-01-01 | F.P SHOP NO 80 | LALITHA NAGAR 1 STREET |
| 1954 | 01-01-08-01-01 | F.P.SHOP NO6 | SITAMPETA |
| 1955 | 01-01-08-01-01 | FP SHOP NO-61 | DANAVAIPETA,NEAR RELIENCE WORLD |
| 1956 | 01-01-08-01-01 | F.P.SHOP NO16 | ARYAPURAM 2 STREET |
| 1957 | 01-01-08-01-01 | F.P.SHOP NO-59 | DANAVAIPETA |
| 1958 | 01-01-08-01-01 | F.P.SHOP24 | LINGAMPETA |
| 1959 | 01-01-08-01-01 | F.P SHOP NO | VEERABHADRAPURAM |
| 1960 | 01-01-08-01-01 | F.P.SHOP NO 22 | THUMMALAVA |
| 1961 | 01-01-08-01-01 | F.P SHOP NO 71 | SUBBARAO PETA |
| 1962 | 01-01-08-01-01 | RATION SHOP | RAMADAS PETA |

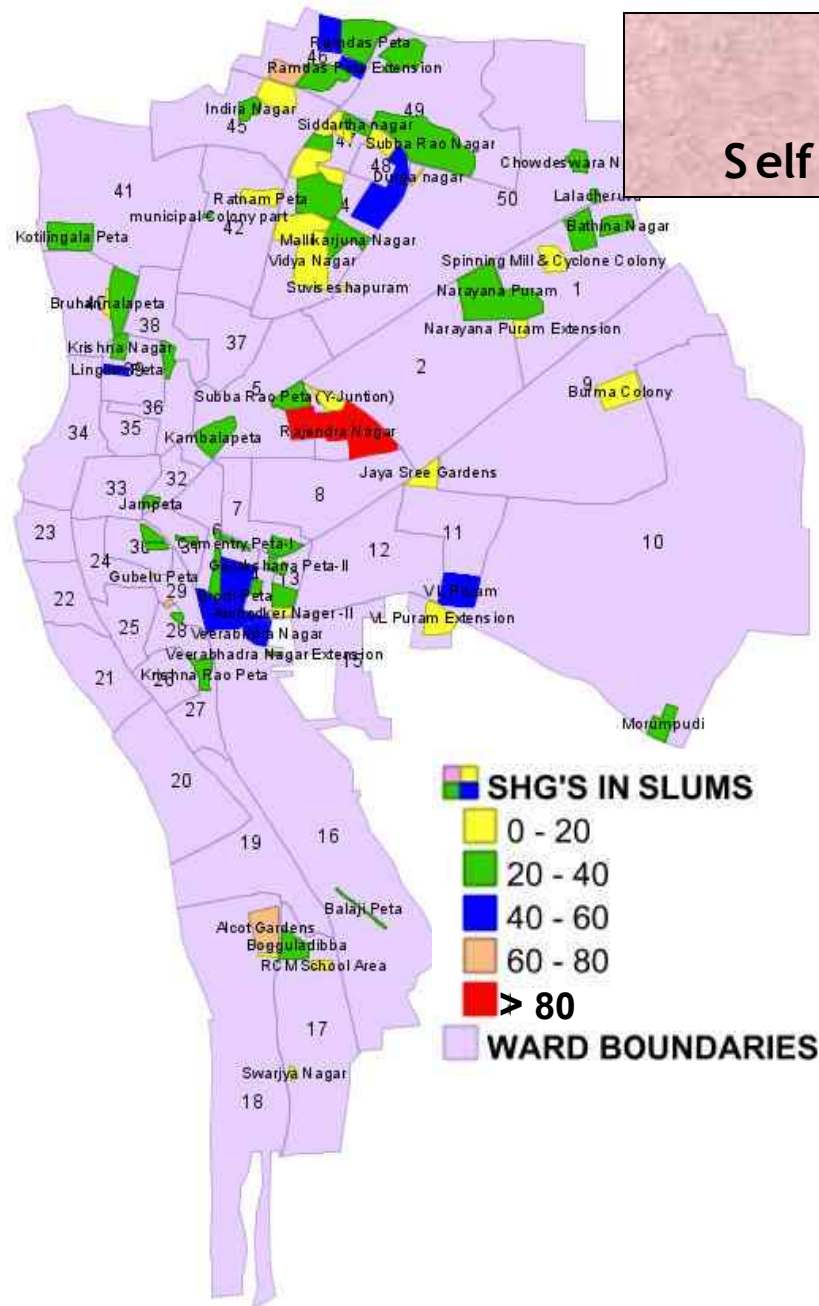# GIS Query

## Ward wise distribution of Slums
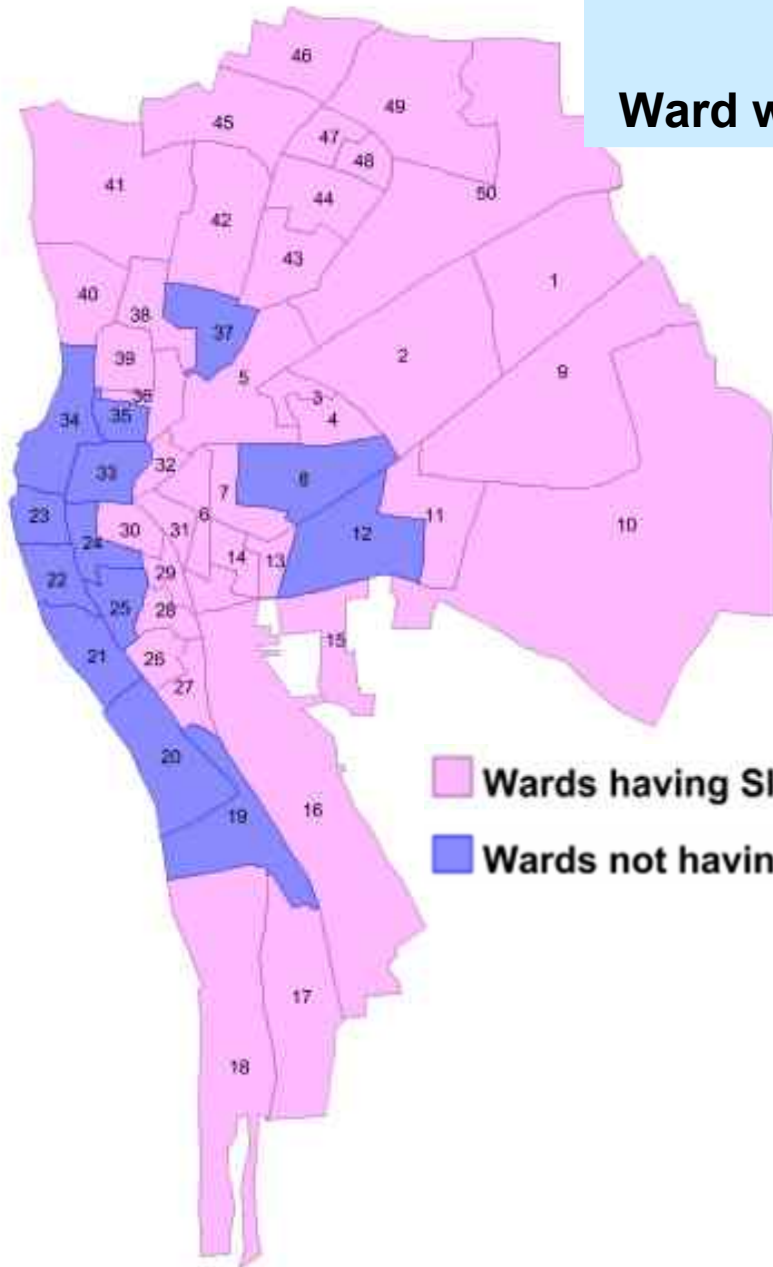
Total Wards in Rajahmundry Urban : 50

No.of wards with slums :37

No.of wards without slums :13

Wards having Slums

Wards not having Slums
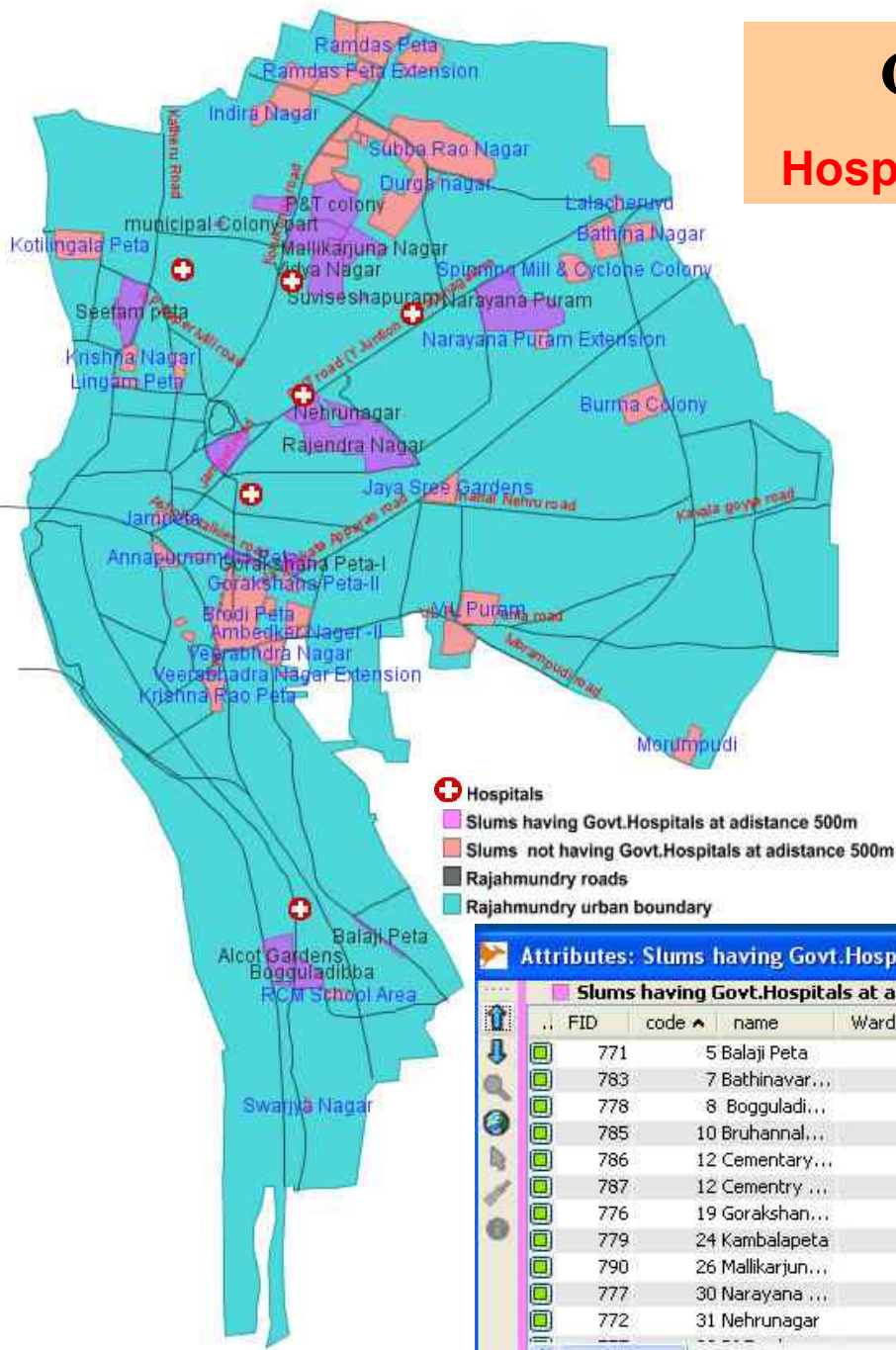
GIS Query

Self Help Groups in Slums

SHG'S IN SLUMS
- 0 - 20
- 20 - 40
- 40 - 60
- 60 - 80
- > 80
- WARD BOUNDARIES

Attributes: slums

slums (74 Features)

| .. | FID | code ^ | name | Ward No | Population | TARGET NO.O | NO.OF SHGs | NO.OF SHGs | TOTAL CUMUL | SHGs Exc |
|----|-----|--------|------|---------|------------|-------------|------------|------------|-------------|----------|
| | 15 | 1 | Ambedkar Nager-I | 13 | 1103 | 22 | 20 | 2 | 22 | 0 |
| | 16 | 2 | Ambedker Nager -II | 13 | 575 | 35 | 15 | 4 | 19 | -16 |
| | 21 | 3 | Anand Nagar | 46 | 1894 | 60 | 69 | 4 | 73 | +13 |
| | 28 | 4 | Annapurnamma Peta | 31 | 1419 | 20 | 33 | 6 | 39 | +19 |
| | 36 | 5 | Balaji Peta | 16 | 1281 | 29 | 25 | 7 | 32 | +3 |
| | 10 | 6 | Bathina Nagar | 1 | 839 | 17 | 21 | 4 | 25 | +8 |
| | 39 | 7 | Bathinavari street | 18 | 125 | 3 | 2 | 1 | 3 | 0 |
| | 38 | 8 | Bogguladibba | 17 | 981 | 14 | 22 | 6 | 28 | +14 |
| | 13 | 9 | Brodi Peta | 14 | 7158 | 37 | 39 | 4 | 43 | +6 |
| | 45 | 10 | Bruhannalapeta | 40 | 1421 | 30 | 10 | 3 | 13 | -17 |
| | 48 | 11 | Burma Colony | 9 | 1387 | 12 | 13 | 0 | 13 | +1 |
| | 25 | 12 | Cementry Peta-I | 6 | 740 | 26 | 23 | 5 | 28 | +2 |
| | 62 | 12 | Cementary Peta-I | 7 | 740 | 26 | 23 | 5 | 28 | +2 |
| | 74 | 14 | Chowdeswara Nagar | 50 | 441 | 18 | 20 | 1 | 21 | +3 |
| | 31 | 15 | Cigideelapeta | 28 | 836 | 54 | 56 | 10 | 66 | +12 |
| | 51 | 16 | Eswar nagar | 48 | 359 | 17 | 18 | 0 | 18 | +1 |
| | 20 | 17 | Gadireddy Nagar | 45 | 801 | 10 | 8 | 3 | 11 | +1 |
| | 32 | 18 | Goleeladibba | 28 | 385 | 25 | 28 | 8 | 36 | +11 |
| | 26 | 19 | Gorakshana Peta-I | 14 | 1402 | 13 | 12 | 8 | 20 | +7 |
| | 27 | 20 | Gorakshana Peta-II | 13 | 560 | 20 | 28 | 4 | 32 | +12 |
| | 66 | 21 | Gubelu Peta | 29 | 543 | 2 | 2 | 0 | 2 | 0 |

# GIS Query

## Hospitals near Slums

**Hospitals**
■ Slums having Govt.Hospitals at adistance 500m
■ Slums not having Govt.Hospitals at adistance 500m
■ Rajahmundry roads
■ Rajahmundry urban boundary

**Attributes: Hospitals**

**Hospitals (6 Features)**

| FID | code | name ∧ | address |
|---|---|---|---|
| 289 | 01-01-05-03-01 | Dr.Allu Ramalingaya Homeopathi Hospital | Y-Junction Road |
| 286 | 01-01-05-03-01 | EMPLOYEE STATE INSURANCE HOSPITAL | SRIRAM NAGAR |
| 290 | 01-01-05-03-01 | GOVT HOSPITAL | OPP CENTRALJAIL |
| 287 | 01-01-05-03-01 | Rajahmundry Hospital | DANAVAIPETA |
| 285 | 01-01-05-03-01 | SOUTH CENTRAL RAILWAY HEALTH UNIT | OPP.MADHAVI-MURTY KRV TOWERS-II |
| 288 | 01-01-05-03-01 | phylaria hospital | buddavarapu suryanarayana road |

**Attributes: Slums having Govt.Hospitals at a...**

**Slums having Govt.Hospitals at adistance 500m (21 Fea...**

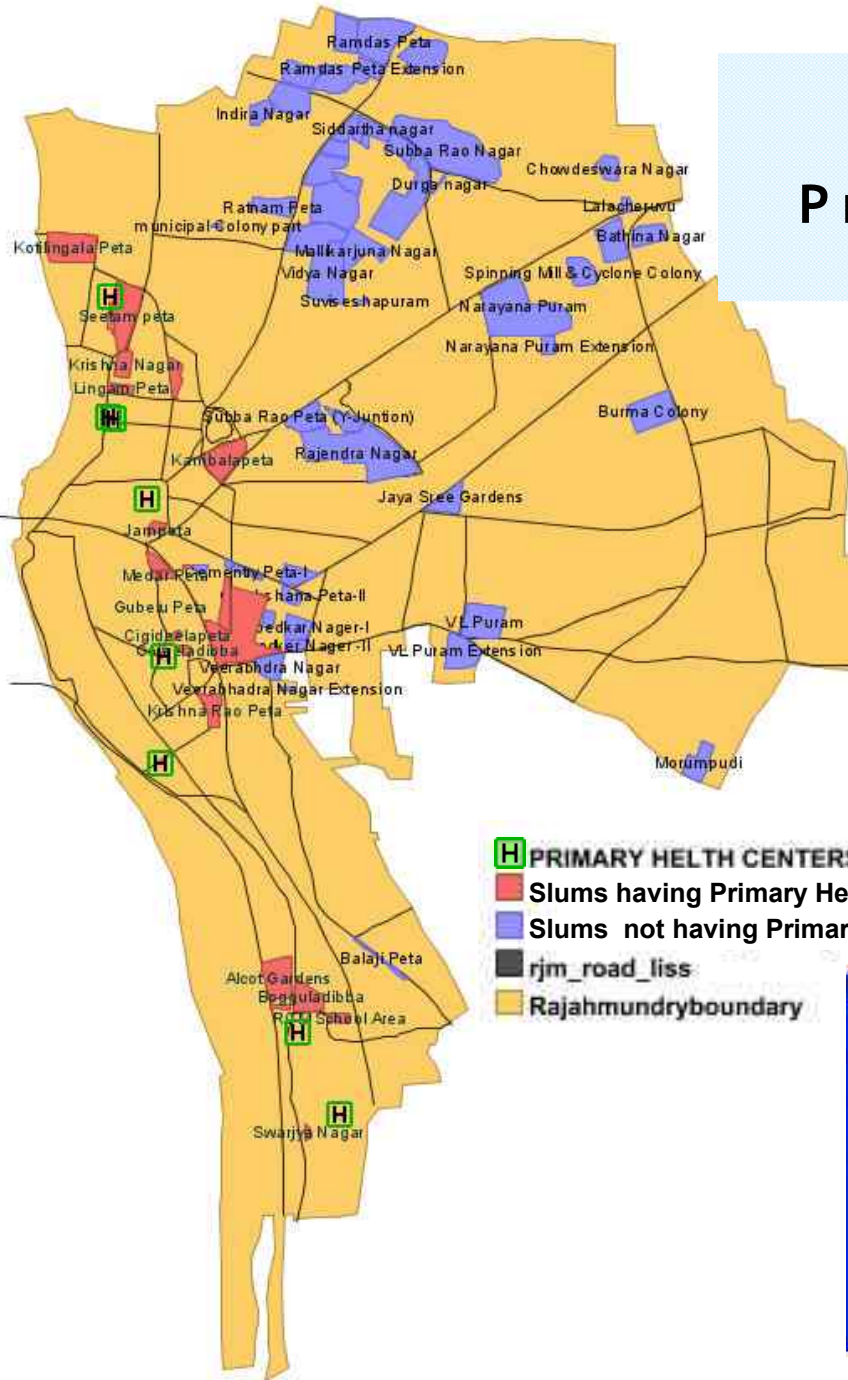| FID | code ∧ | name | Ward No | Population | |
|---|---|---|---|---|---|
| 771 | 5 | Balaji Peta | 16 | 1281 | |
| 783 | 7 | Bathinavar... | 18 | 125 | |
| 778 | 8 | Bogguladi... | 17 | 981 | |
| 785 | 10 | Bruhannal... | 40 | 1421 | |
| 786 | 12 | Cementary... | 7 | 740 | |
| 787 | 12 | Cementry ... | 6 | 740 | |
| 776 | 19 | Gorakshan... | 14 | 1402 | |
| 779 | 24 | Kambalapeta | 5 | 1800 | |
| 790 | 26 | Mallikarjun... | 21 | 2492 | |
| 777 | 30 | Narayana ... | 1 | 788 | |
| 772 | 31 | Nehrunagar | 3 | 1753 | |

**Attributes: Slums not having Govt.Hospitals at a...**

**Slums not having Govt.Hospitals at adistance 500m (53 Feat...**

| FID | code ∧ | name | Ward No | Population | Ow |
|---|---|---|---|---|---|
| 802 | 1 | Ambedkar Na... | 13 | 1103 | |
| 803 | 2 | Ambedker Na... | 13 | 575 | |
| 808 | 3 | Anand Nagar | 46 | 1894 | |
| 811 | 4 | Annapurnam... | 31 | 1419 | |
| 798 | 6 | Bathina Nagar | 1 | 839 | |
| 800 | 9 | Brodi Peta | 14 | 7158 | |
| 823 | 11 | Burma Colony | 9 | 1387 | |
| 843 | 14 | Chowdeswar... | 50 | 441 | |
| 814 | 15 | Cigideelapeta | 28 | 836 | |
| 826 | 16 | Eswar nagar | 48 | 359 | |
| 807 | 17 | Gadireddy Na... | 45 | 801 | |
| 815 | 18 | Goleeladibba | 28 | 385 | |

# GIS Query

## Primary Health Center's 500m from Slums

**Attributes: Slums having Primary Health Cent...**

Slums having Primary Health Centers within 500m (22 Fe...

| FID | code | name | Ward No | Population |
|-----|------|------|---------|------------|
| 914 | 7 | Bathinavari s... | 18 | 125 |
| 913 | 8 | Bogguladibba | 17 | 981 |
| 922 | 9 | Brodi Peta | 14 | 7158 |
| 907 | 10 | Bruhannalap... | 40 | 1421 |
| 915 | 15 | Cigideelapeta | 28 | 836 |
| 908 | 18 | Goleeladibba | 28 | 385 |
| 903 | 21 | Gubelu Peta | 29 | 543 |
| 911 | 22 | Jampeta | 33 | 589 |
| 905 | 24 | Kambalapeta | 5 | 1800 |
| 917 | 25 | Kotilingala Peta | 41 | 2219 |
| 909 | 27 | Medar Peta | 30 | 2442 |
| 919 | 34 | RCM School ... | 17 | 405 |

**H** PRIMARY HELTH CENTERS

Slums having Primary Health Centers within 500m

Slums not having Primary Health Centers within 500m

rjm_road_liss

Rajahmundryboundary

**Attributes: PRIMARY HEALTH CENTERS**

PRIMARY HEALTH CENTERS (8 Features)

| FID | code | name | address | sp |
|-----|------|------|---------|-----|
| 4 | 01-01-05-03-02 | CHINTALURU AYURVEDIC HOSPITAL | NEAR MRO OFFICE | AYU |
| 2 | 01-01-05-03-02 | Chunnilal Jajoo Municipal Materinity Hospital | Nataraj Road | Mat |
| 6 | 01-01-05-03-02 | LUTHERN GENERAL HOSPITAL | NEAR ILTD CENTER,RAJ... | HO: |
| 5 | 01-01-05-03-02 | PRIMARY HEALTH CENTRE | SITAMPETA | P.H |
| 8 | 01-01-05-03-02 | RAJAHMUNDRY MATA SISU SANKSHEMA K... | SRI VANAM NAGESWARA... | PR/ |
| 7 | 01-01-05-03-02 | SUSRUTHA NURSING HOME | WEAVERS COLONY | HO: |
| 3 | 01-01-05-03-02 | URBAN HEALTH CENTER | OPP. SHAMBU NAGAR,6T... | URE |
| 1 | 01-01-05-03-02 | Unani Dispensary | Near Budhudu Hospital | DIS |
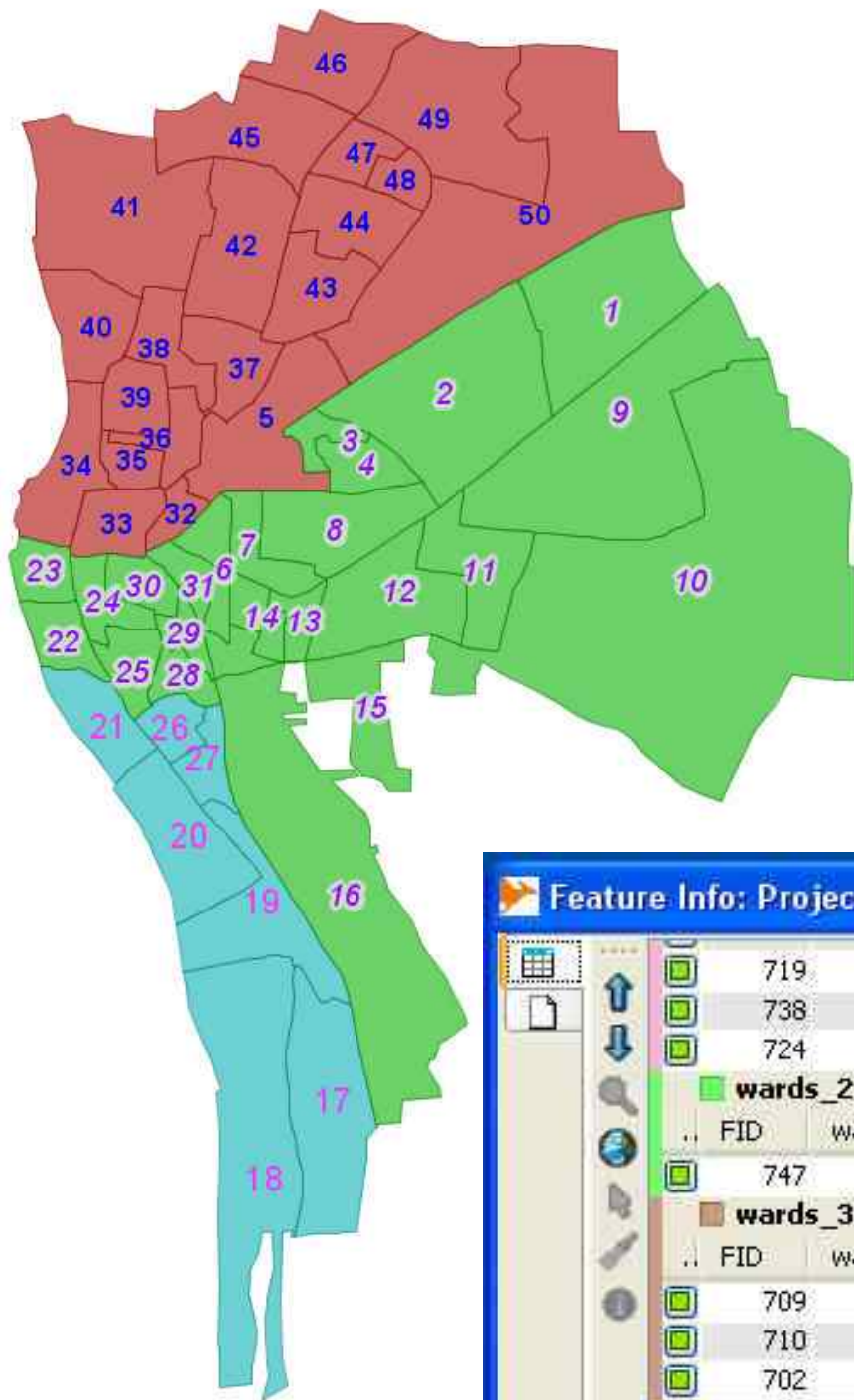
**GIS** Query

*POLICE* *STATION WISE*
*DISTRIBUTION OF WARDS*

wards in 1townstation
wards in 2townstation
wards in 3townstation

Map ward numbers: 46, 45, 49, 47, 48, 41, 44, 50, 42, 43, 40, 38, 37, 39, 5, 36, 34, 35, 33, 32, 1, 2, 9, 3, 4, 8, 7, 6, 23, 24, 30, 31, 12, 11, 14, 13, 22, 29, 10, 25, 28, 21, 26, 27, 15, 20, 19, 16, 17, 18

Feature Info: Project 1

| FID | ward.no | Perimeter ( | Area (m2) | "voters(abo | "To |
|---|---|---|---|---|---|
| 719 | 4 | 1927.7073179799... | 179341.38804754778 | 3686 | |
| 738 | 16 | 8718.108695013352 | 1844458.6442347765 | 5431 | |
| 724 | 12 | 3580.461995998126 | 576567.7785960436 | 4234 | |

**wards_2townstation (1 Feature)**

| FID | ward.no | Perimeter ( | Area (m2) | "voters(abo | "To |
|---|---|---|---|---|---|
| 747 | 19 | 4717.421099383488 | 532334.2557996362 | 4442 | |

**wards_3townstation (3 Features)**

| FID | ward.no | Perimeter ( | Area (m2) | "voters(abo | " |
|---|---|---|---|---|---|
| 709 | 43 | 2634.0625439535843 | 340500.30853421986 | 3596 | |
| 710 | 50 | 8536.83349596687 | 1910200.139107123 | 3459 | |
| 702 | 5 | 4298.901978418868 | 604630.1293129736 | 3565 | |

# GIS Query
## AREA(Sq.Km) COVERED BY EACH POLICE STATION

III TOWN POLICE STATION

I TOWN POLICE STATION

II TOWN POLICE STATION

9.02

13.43

3.7
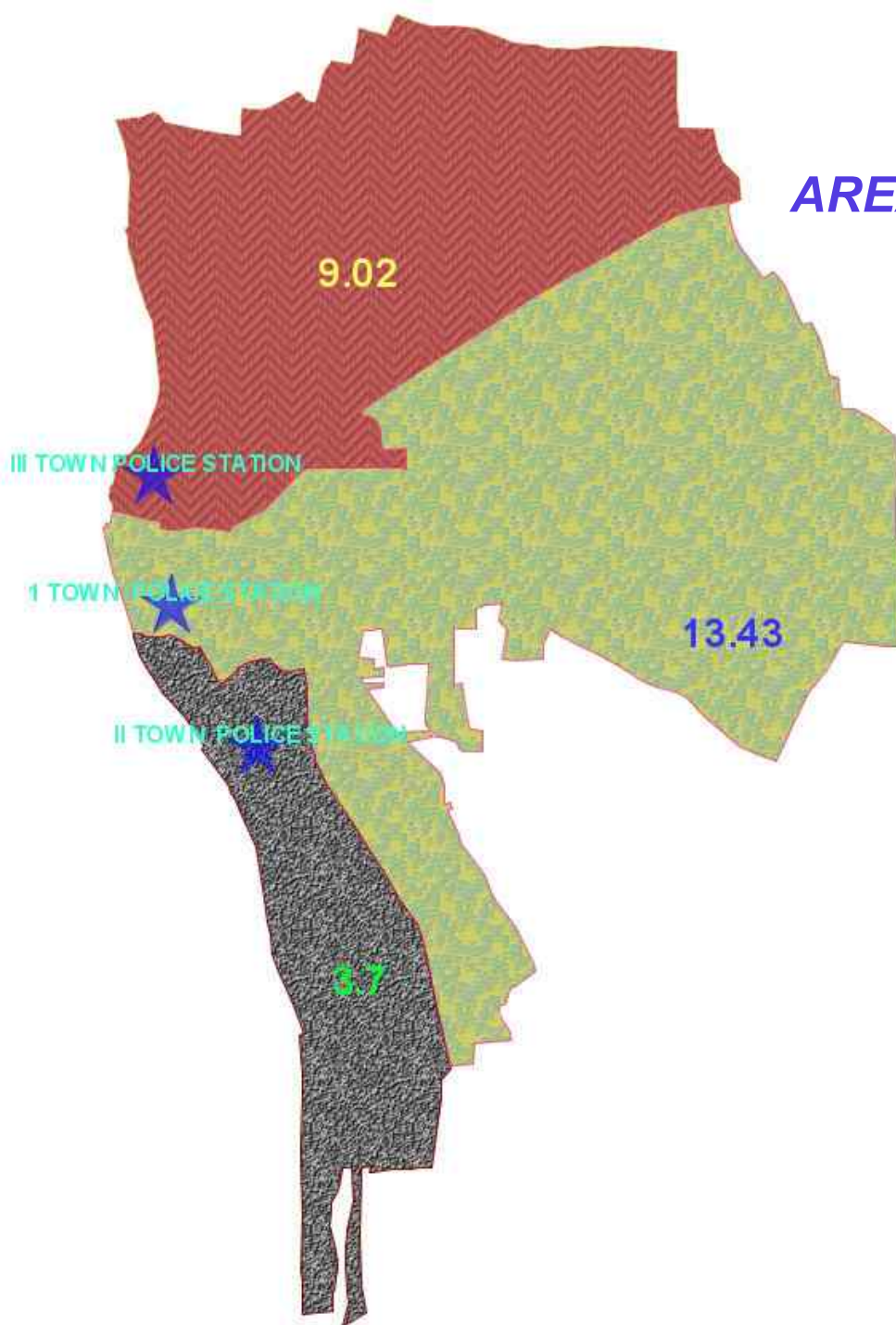
**Feature Info: area**

**I Town Police Station Aera(Sq.Km) (1 Feature)**

| FID | Name | Area(Sq.Km) | Population |
|-----|------|-------------|-----------|
| 192 | I Town Police Station | 13.43 | 157263 |

**III Town Police Station Aera(Sq.Km) (1 Feature)**

| FID | Name | Area(Sq.Km) | Population |
|-----|------|-------------|-----------|
| 190 | III Town Police Station Aera | 9.02 | 127851 |

**II Town Police Station Aera(Aq.Km) (1 Feature)**

| FID | Name | Area(Sq.Km) | Population |
|-----|------|-------------|-----------|
| 191 | II Town Police Station Aera | 3.7 | 44122 |

Polices Stations
I Town Police Station Area
II Town Police Station Area
III Town Police Station Area

# GIS Query
## POLICE STATION WISE POPULATION

III TOWN POLICE STATION

1 TOWN POLICE STATION

II TOWN POLICE STATION

127851

157263

44122
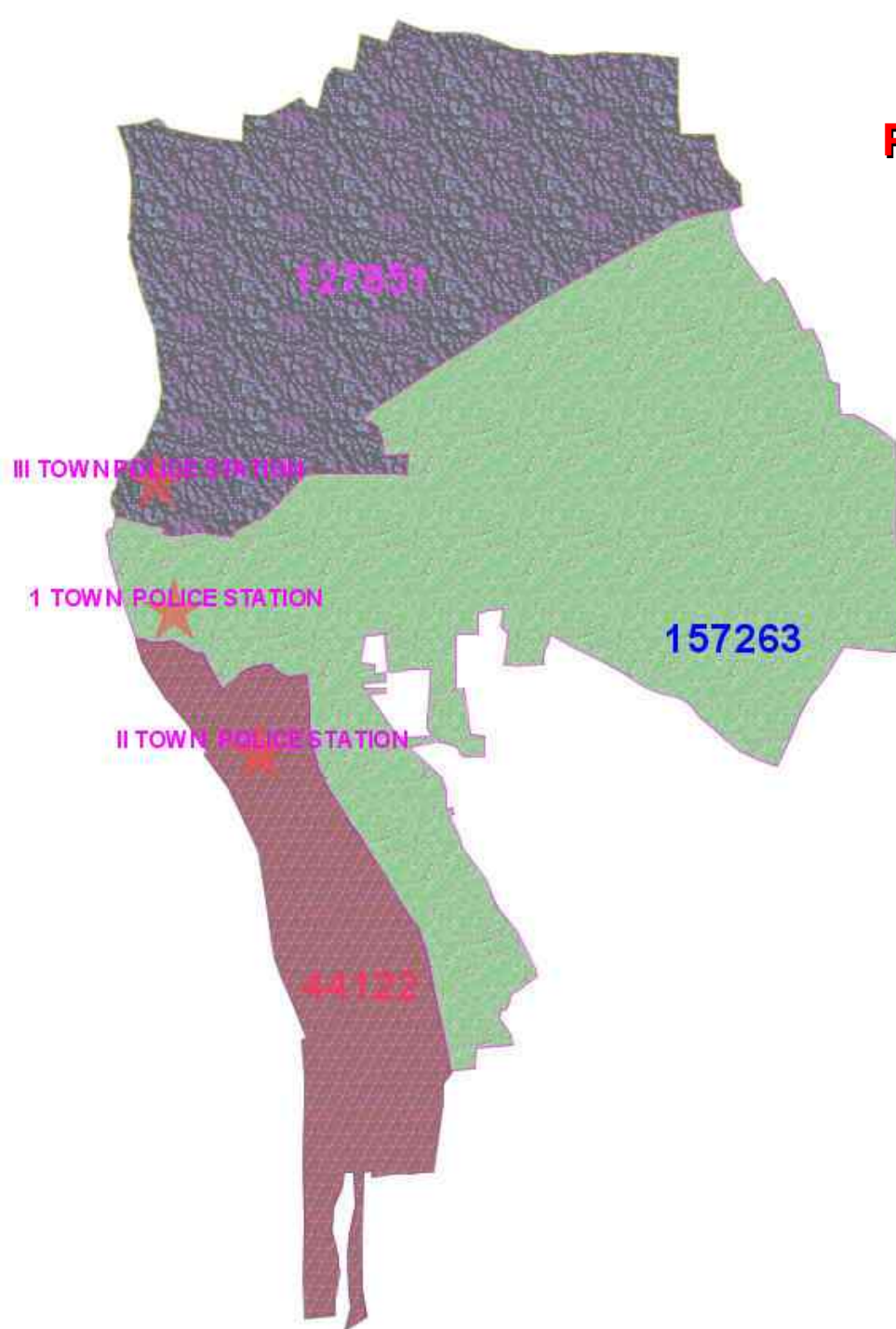
**Feature Info: population**

**III Town Police Station Population (1 Feature)**

| FID | Name | Area(Sq.Km) | Population |
|-----|------|-------------|------------|
| 184 | III Town Police Station Aera | 9.02 | 127851 |

**II Town Police Station Population (1 Feature)**

| FID | Name | Area(Sq.Km) | Population |
|-----|------|-------------|------------|
| 185 | II Town Police Station Aera | 3.7 | 44122 |

**I Town Police Station Population (1 Feature)**

| FID | Name | Area(Sq.Km) | Population |
|-----|------|-------------|------------|
| 186 | I Town Police Station | 13.43 | 157263 |

Polices Stations
I Town Police Station Population
II Town Police Station Population
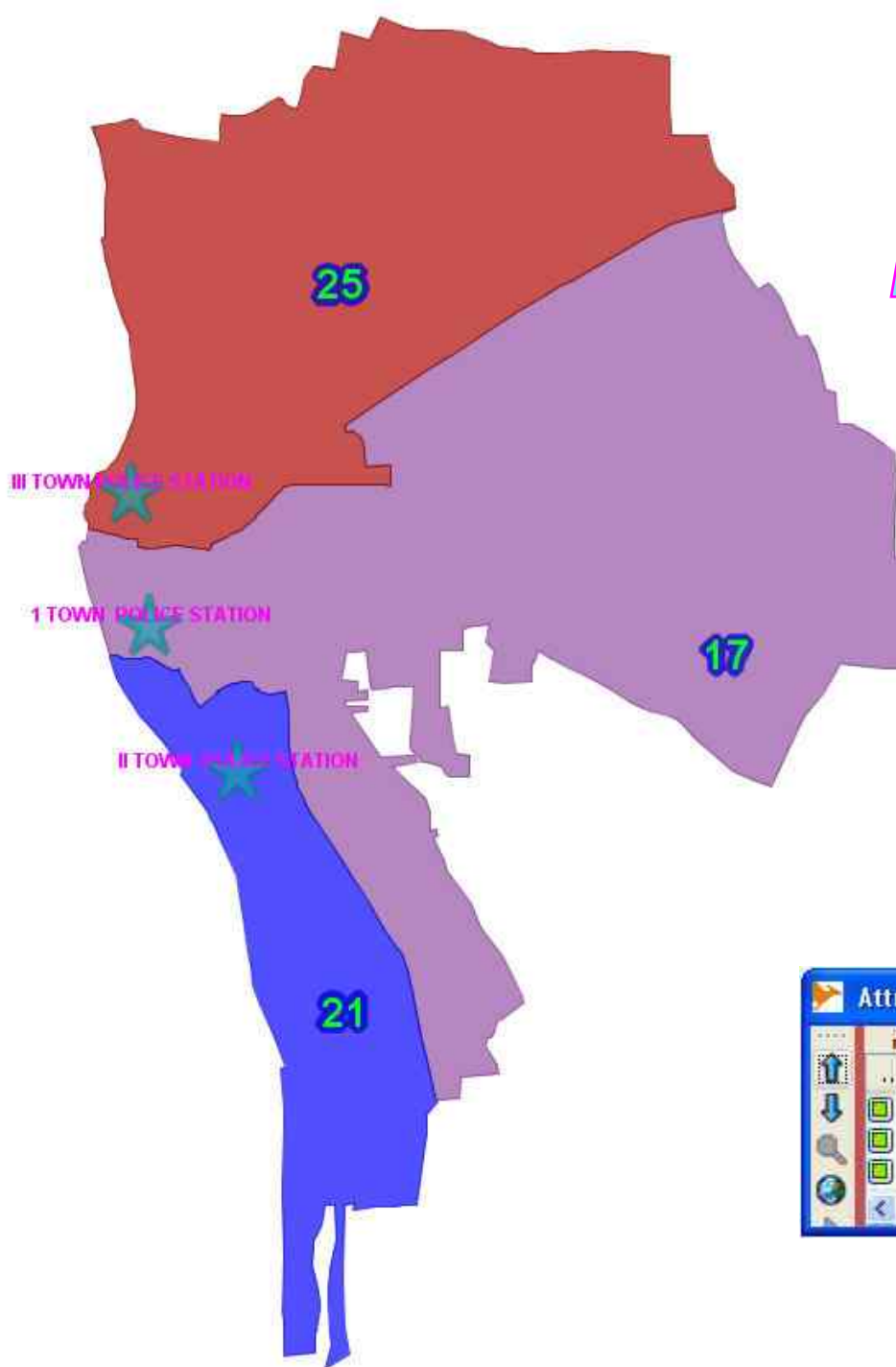III Town Police Station Population

# GIS Query
## 2006 REPORTED CRIMES

**Polices Stations**
**2007_CRIME REPORTED**
- 73 - 163
- 163 - 188
- 188 -
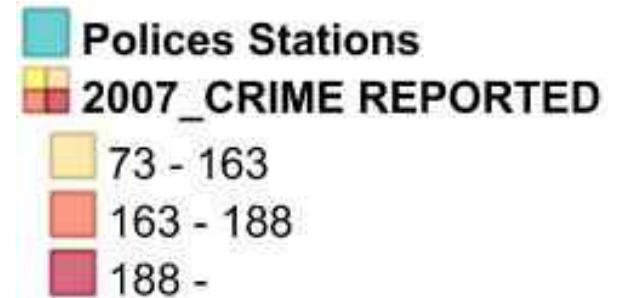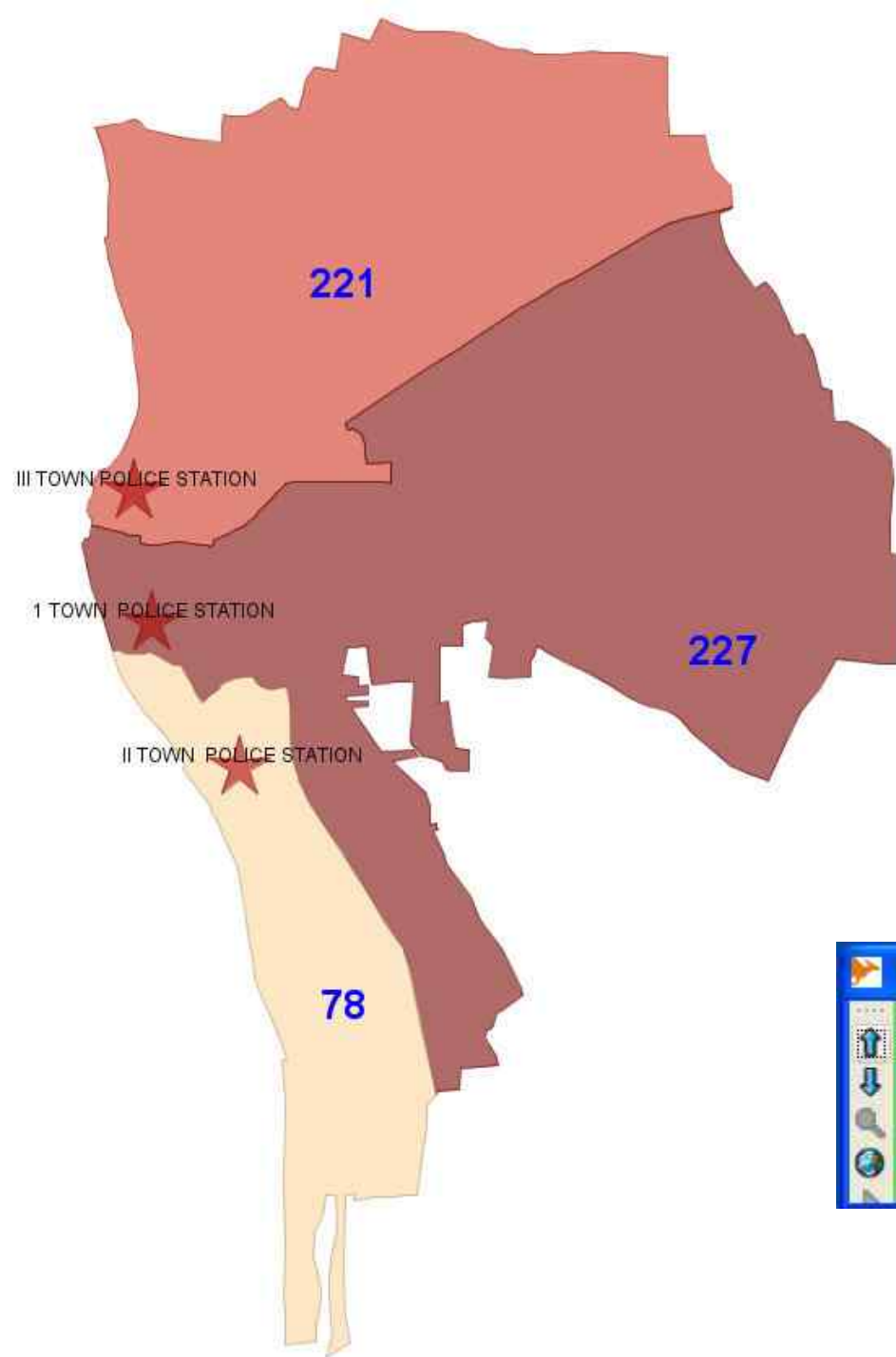
Attributes: 2006_CRIME

2006_CRIME (3 Features)

| ALREPOR | "TOTALCONVI | "TOTALACQUI | "TOTALPENDI | "TOTALUNDET |
|---|---|---|---|---|
| 221 | 33 | 12 | 109 | 65 |
| 227 | 36 | 1 | 99 | 89 |
| 78 | 19 | 4 | 21 | 34 |

**GIS Query**
*2006 LAW&ORDER REPORTED CASES PER Sq.Km*

14

III TOWN POLICE STATION

1 TOWN POLICE STATION

10

II TOWN POLICE STATION

17

**Attributes: L&O REPORTED CASES PER ISq.Km**

**L&O REPORTED CASES PER ISq.Km (3 Features)**

| .. | FID | CODE1 | POPULATION | IL&O REPORTS PER ISq.Km | AREA(Sq.Km) |
|----|-----|-------|-----------|------------------------|-------------|
| ☐ | 229 | PS_1TOWN | 745154 | 10 | 13.43 |
| ☐ | 230 | PS_3TOWN | 492355 | 14 | 9.02 |
| ☐ | 231 | PS_2TOWN | 146184 | 17 | 3.7 |

**Polices Stations**

**L&O REPORTED CASES PER ISq.Km**

10 - 14

14 - 17

17 -

# GIS Query
## 2007 LAW&ORDER REPORTED CASES

173

III TOWN POLICE STATION

1 TOWN POLICE STATION

189

II TOWN POLICE STATION

54
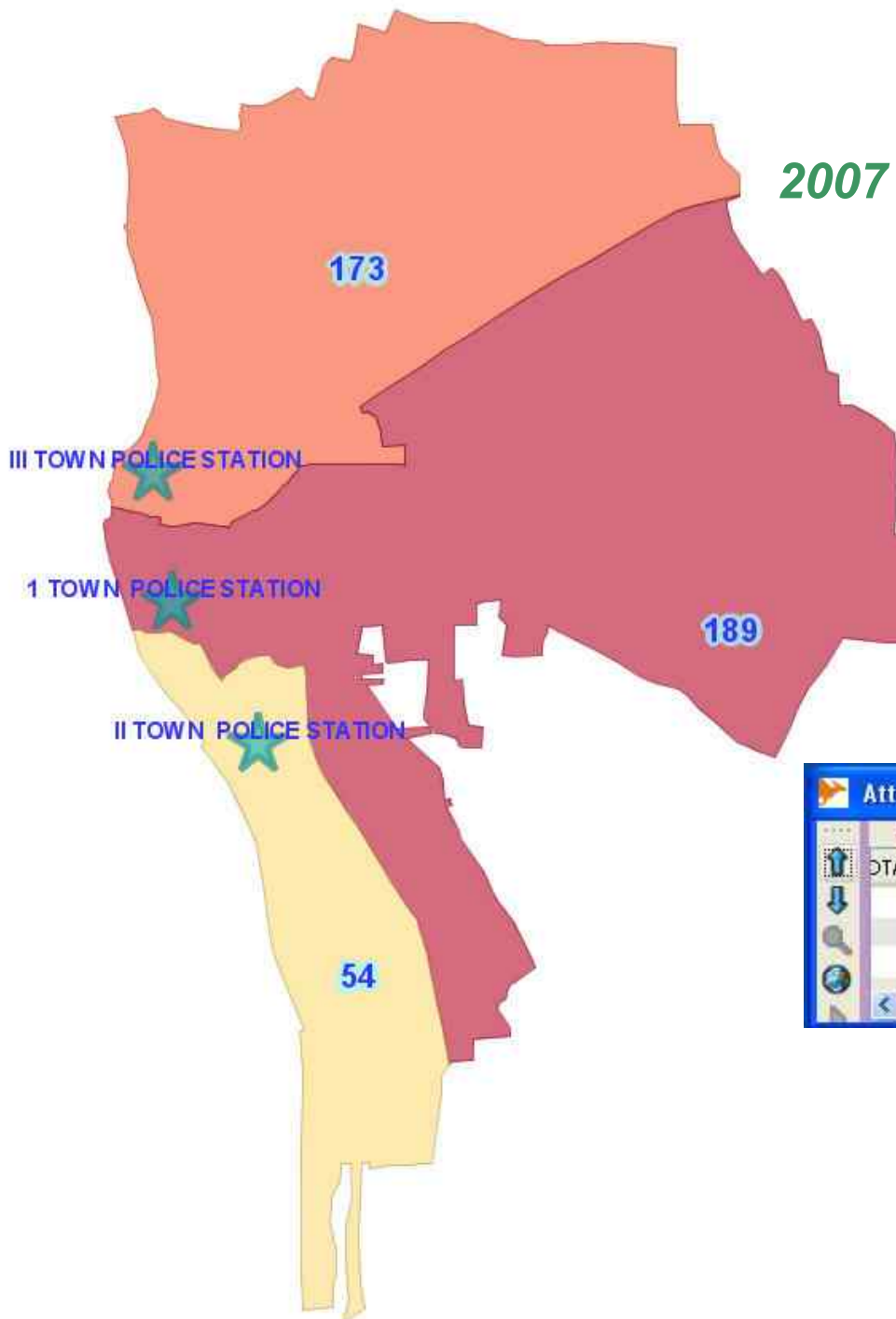
**Attributes: 2007_LOW&ORDER REPORTED CASES**

**2007_LOW&ORDER (3 Features)**

| OTAL REPOR | TOTALCONVIC | TOTALACQUIT | TOTALPENDIN | TOTALUNDETE |
|---|---|---|---|---|
| 173 | 1 | 8 | 116 | |
| 189 | 13 | 26 | 77 | |
| 54 | 0 | 4 | 31 | |

**Polices Stations**
**2007_LOW&ORDER REPORTED CASES**
- 54 - 173
- 173 - 189
- 189 -

**GIS Query**
*2007 LAW&ORDER REPORTED CASES PER Sq.Km*

III TOWN POLICE STATION

1 TOWN POLICE STATION

II TOWN POLICE STATION

19

12

14

**Attributes: L&O REPORTED CASES PER ISq.Km**

**L&O REPORTED CASES PER ISq.Km (3 Features)**

| FID | CODE1 | POPULATION | IL&O REPORTS PER ISq.Km | AREA(Sq.Km) |
|-----|-------|-----------|------------------------|-------------|
| 229 | PS_1TOWN | 745154 | 12 | 13.43 |
| 230 | PS_3TOWN | 492355 | 19 | 9.02 |
| 231 | PS_2TOWN | 146184 | 14 | 3.7 |

**Polices Stations**

**L&O REPORTED CASES PER ISq.Km**

- 10 - 14
- 14 - 17
- 17 -
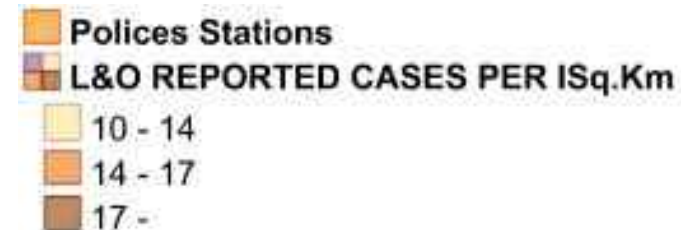
# GIS Query
## 2006 TRAFIC CONVICTION  AND REPORTED CASES
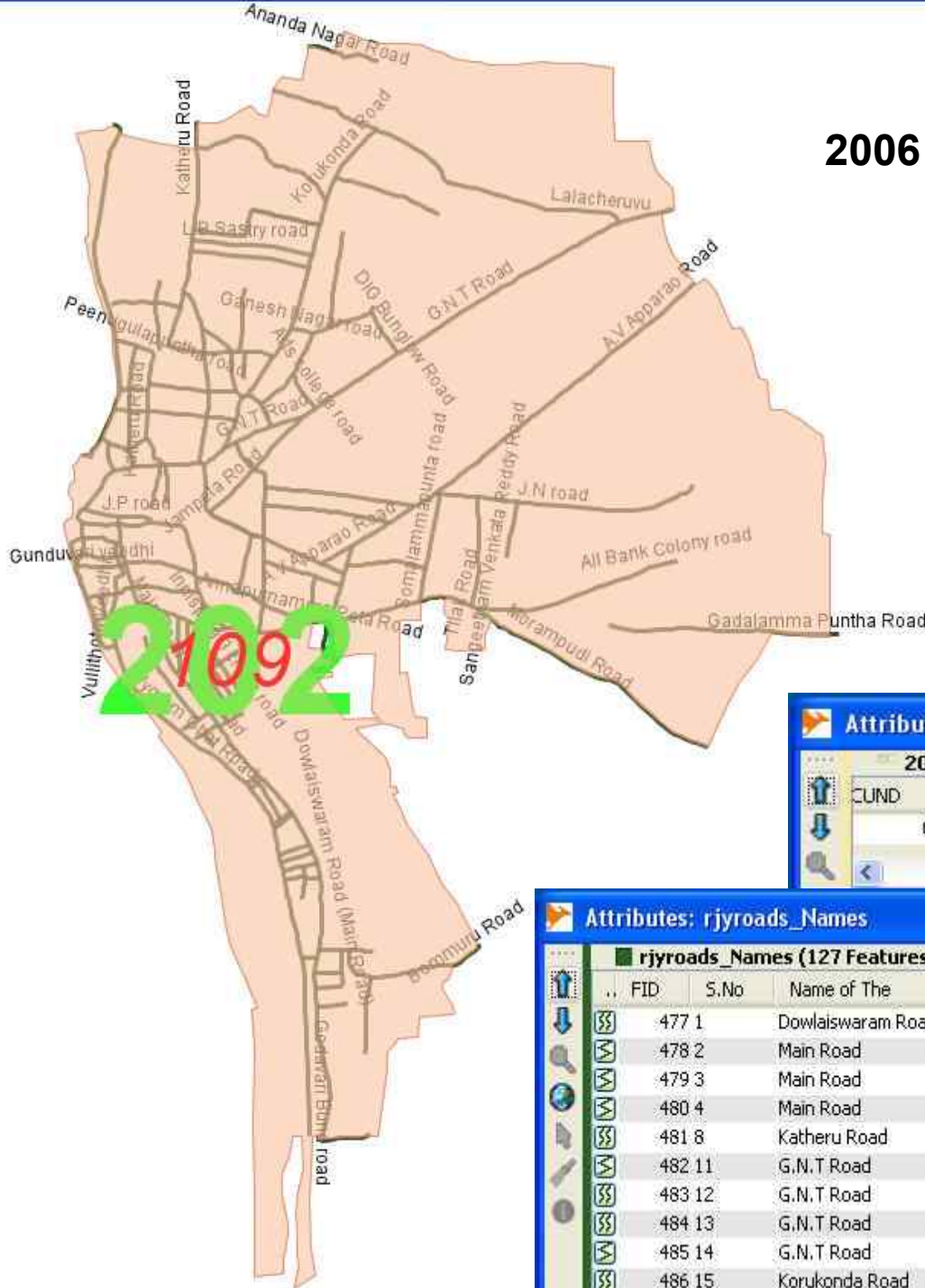
**2006_TRAFIC CONVICTION CASES**
□ 109
**2006_TRAFIC REPORTED CASES**
□ 202
■ **rjyroads_Names**

**Attributes: 2006_TRAFIC CONVICTION CASES**

**2006_TRAFIC CONVICTION CASES (1 Feature)**

| CUND | "TOTALREPOR | "TOTALCONVI | "TOTALACQUI | "TOTALPENDI | "TO |
|------|-------------|-------------|-------------|-------------|-----|
| 0 | 202 | 109 | 18 | 51 | |

**Attributes: rjyroads_Names**

**rjyroads_Names (127 Features)**

| .. | FID | S.No | Name of The | From | To | Existing Ro | Road width |
|----|-----|------|-------------|------|-----|-------------|------------|
| | 477 | 1 | Dowlaiswaram Road (Main Road) | Kotipalli Bus stand | Upto Muncipal Limits | 50 to 60 | 60 |
| | 478 | 2 | Main Road | Delux Center | Kotipalli Bus stand | 70 to 80 | 80 |
| | 479 | 3 | Main Road | Police Station | Delux Center | 40 to 55 | 60 |
| | 480 | 4 | Main Road | Sivastatue | Police Station | 40 to 55 | 40 |
| | 481 | 8 | Katheru Road | Ambethkar Statue | peenugulapuntha ... | 50 to 55 | 60 |
| | 482 | 11 | G.N.T Road | III Town police ... | Devi Chowk | 55 to 60 | 60 |
| | 483 | 12 | G.N.T Road | Devi Chowk | """Y""Junction" | 60 to 70 | 80 |
| | 484 | 13 | G.N.T Road | """Y""Junction" | Central Jail(End P... | 80 to 90 | 100 |
| | 485 | 14 | G.N.T Road | Central Jail(End ... | Lalacheruvu Junct... | 90 to 100 | 130 |
| | 486 | 15 | Korukonda Road | Kantipudi Shopp... | Ramakrishna Mission | 55 to 60 | 60 |

# GIS Query
Parks 100m from the Major Roads
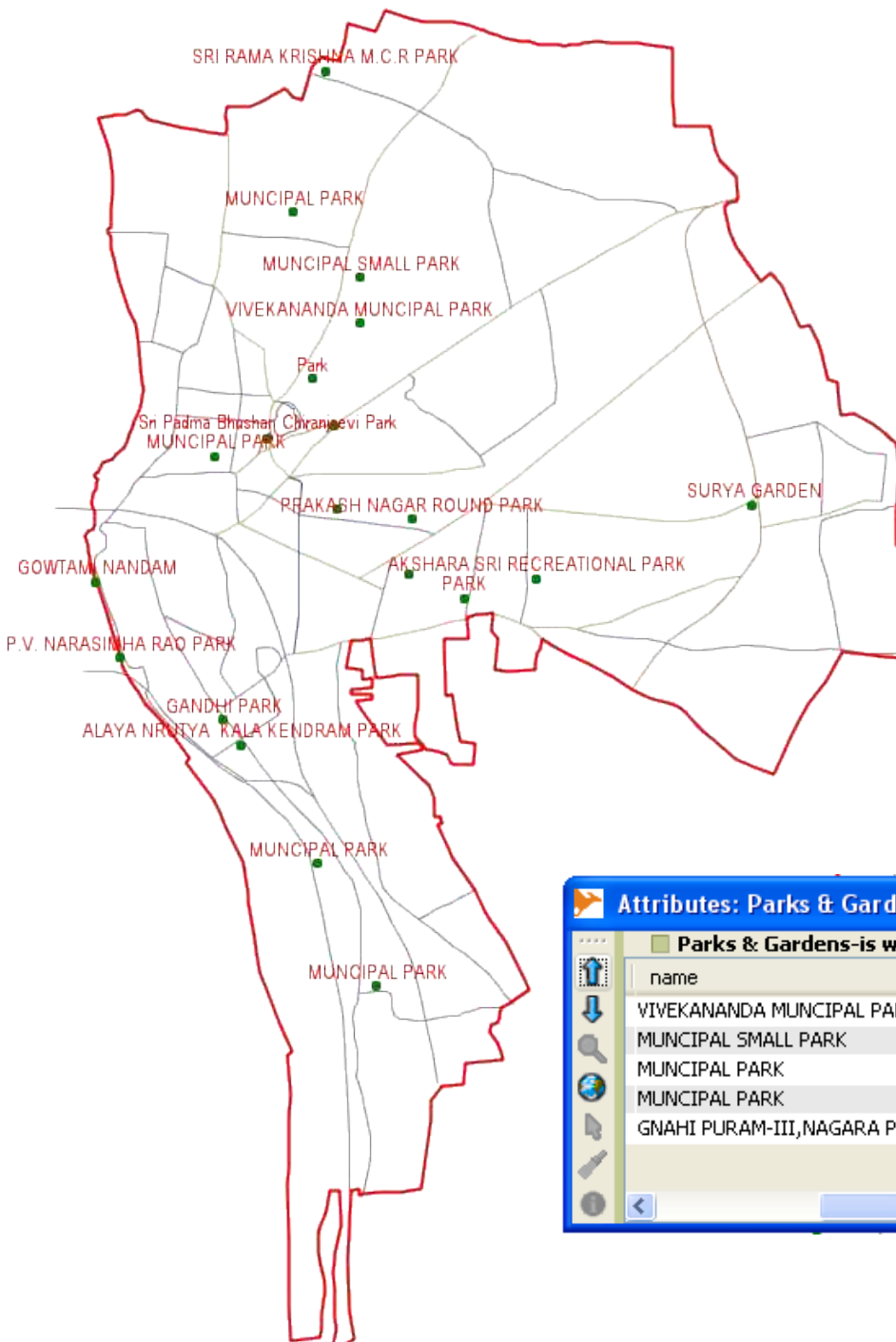
**Attributes: Parks & Gardens-is within distance**

**Parks & Gardens-is within distance (15 Features)**

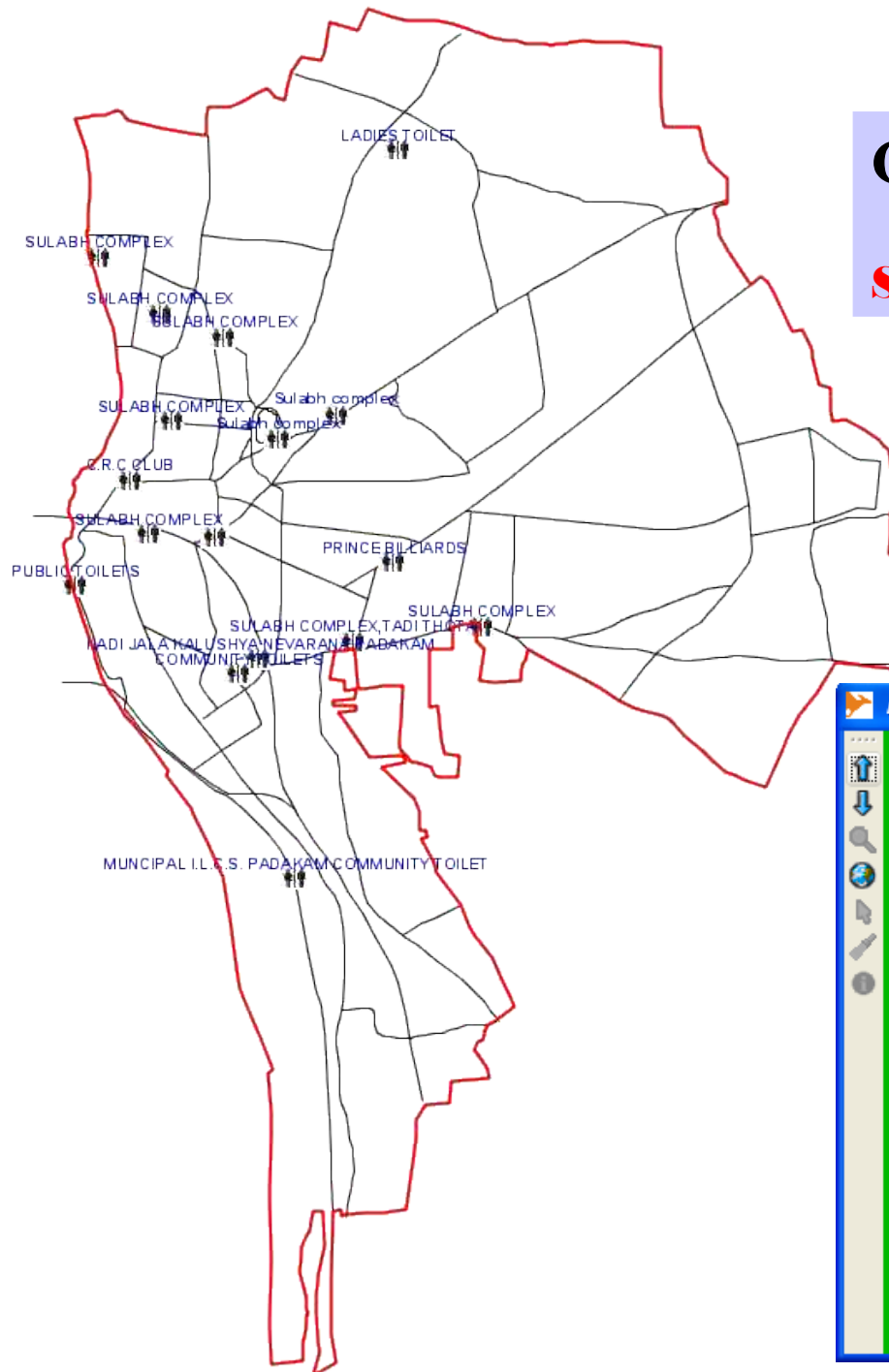| name | address | speciality | type | p |
|------|---------|-----------|------|---|
| P.V. NARASIMHA RAO PARK | BANK OF GODAVARI | PARK | | 0 |
| DANVAI PETA GANDHI PARK | DANVAIPETA,RAJ... | PARK | GOVER... | |
| PRAKASH NAGAR ROUND PARK | GANDHI PURAM-II | PARK | GOVER... | |
| Indira Priya Darsini Thapovanam | Y-Junction | Park | | 0 |
| Sri Padma Bhushan Chiranjeevi Park | Opp.Kamabla Park | park | Private | 0 |
| SURYA GARDEN | J.N.ROAD | GARDEN | OTHER | |
| GOWTAMI NANDAM | GODAVARI GATTU | PARK | GOVER... | 0 |
| MUNCIPAL PARK | BOGGULA DIBBA,I... | PARK | GOVER... | |
| Park | Veerabhadrapuram | | Govern... | 0 |
| ALAYA NRUTYA KALA KENDRAM PARK | NEAR KOTIPALLI B... | PARK | GOVER... | |
| AKSHARA SRI RECREATIONAL PARK | G.V.APPARAO ST... | PARK | PRIVATE | |
| SRI RAMA KRISHNA M.C.R PARK | ANAND NAGAR | PARK | | 0 |
| GANDHI PARK | OPP.E-SEVA KEND... | PARK | GOVER... | 0 |
| MUNCIPAL PARK | ALCOT GARDENS,... | PARK | GOVER... | |
| PARK | SYAMALA NAGAR | PARK | | MSR |

speciality [Parks &

Parks 100m away from the Major Roads

**Attributes: Parks & Gardens-is within distance (2)**

**Parks & Gardens-is within distance (2) (5 Features)**

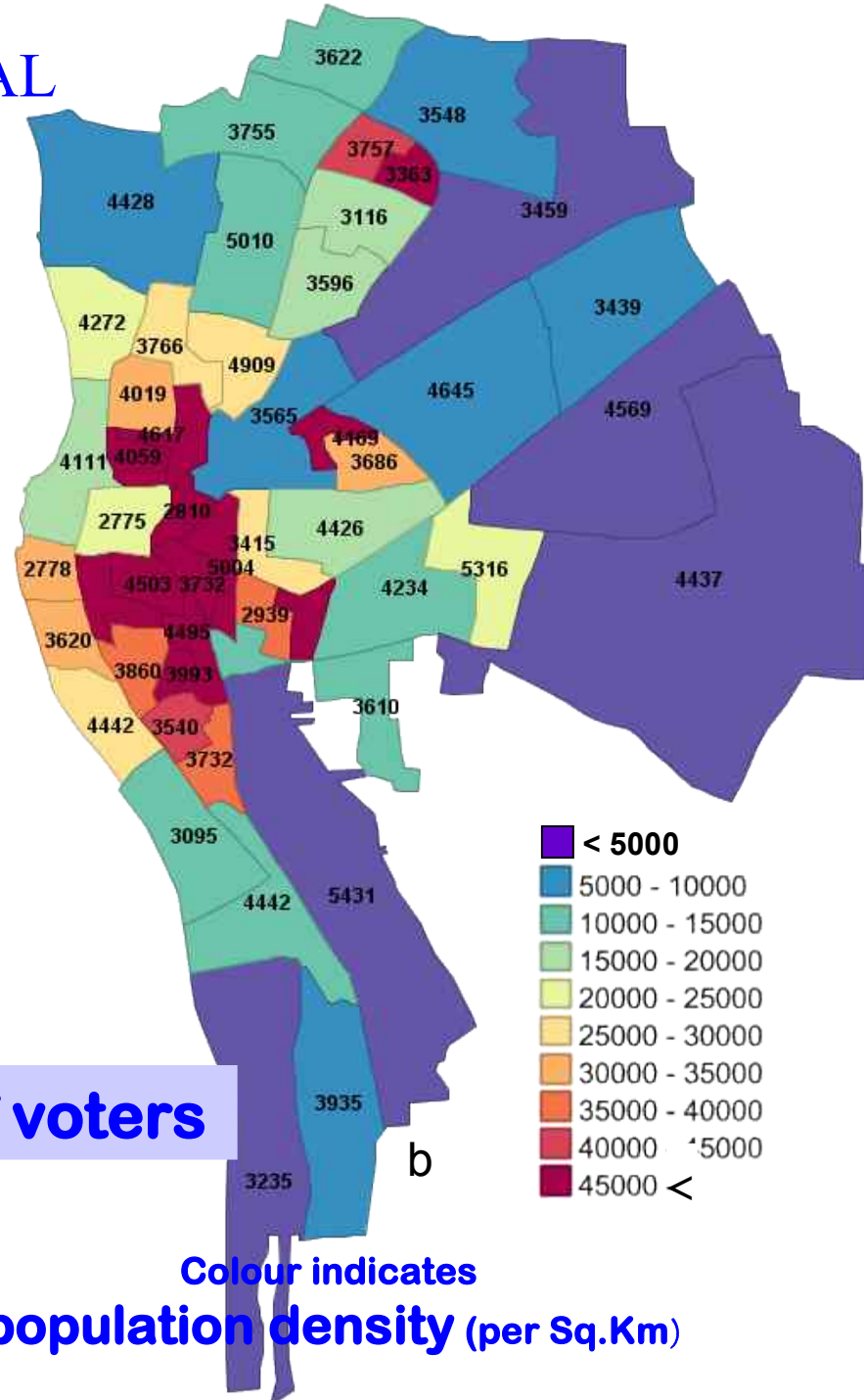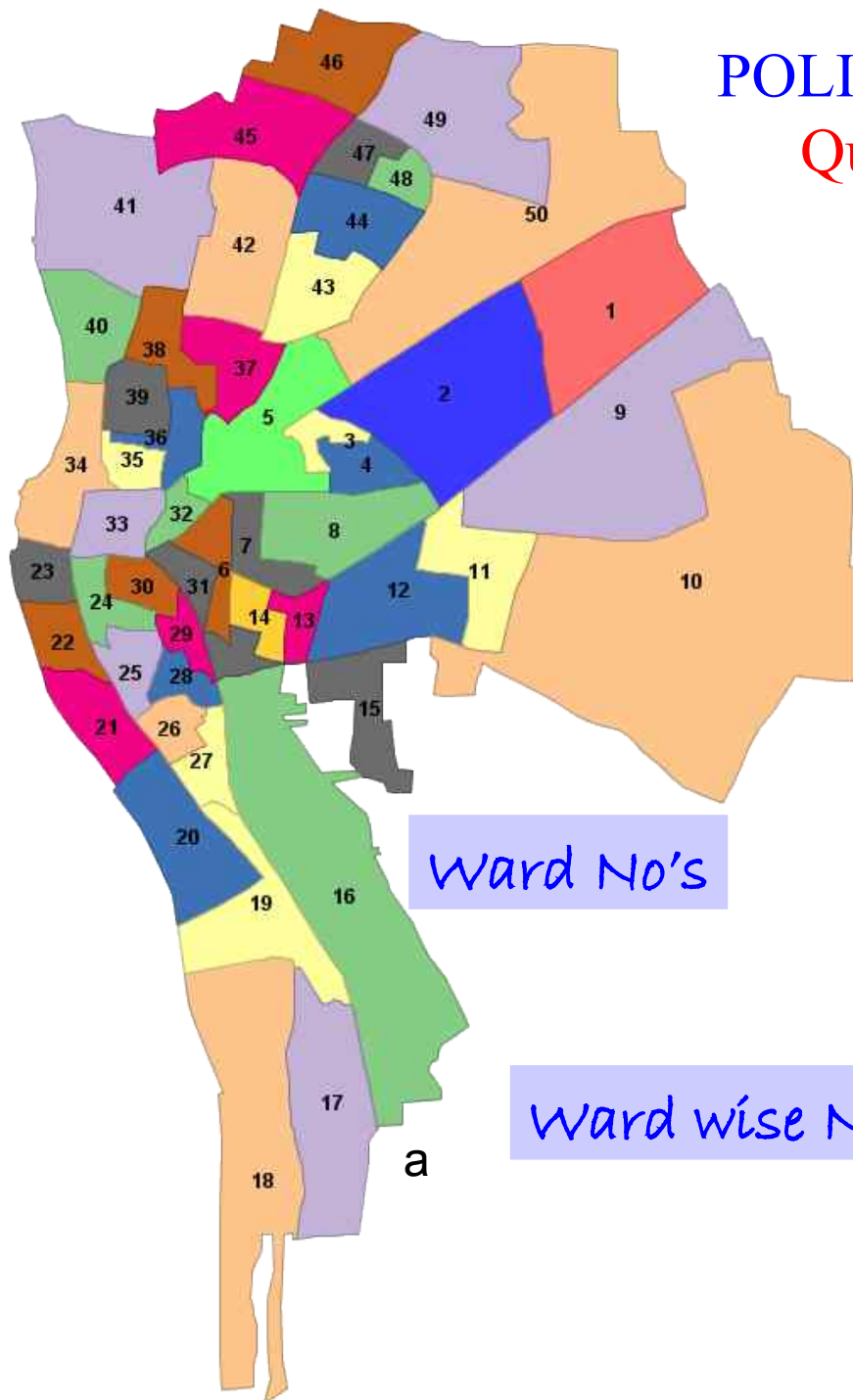| name | address | special |
|------|---------|---------|
| VIVEKANANDA MUNCIPAL PARK | ARTS COLLEGE SCIENCE BLOCK BACK SIDE | PARK |
| MUNCIPAL SMALL PARK | WEAVERS COLONY | PARK |
| MUNCIPAL PARK | MUNCIPAL COLONY | PARK |
| MUNCIPAL PARK | KORLAMPETA | PARK |
| GNAHI PURAM-III,NAGARA P... | GANDHI PURAM-III,BACK SIDE TO GOWTAMI PUBLIC SCHOOL,A.V.APPA RAO ROAD | PARK |

# GIS Query

## Spatial distribution of public toilets

**Attributes: Sulab Complexs**

**Sulab Complexs (18 Features)**

| name ∧ | address | speciality | type | |
|---|---|---|---|---|
| C.R.C CLUB | NEAR 3TOWN POLICE STATION | ENTERTAINMENT | PRIVATE | |
| COMMUNITY TOILETS | STADIUM BACK SIDE,RAJAHM... | SULABH COMPLEX | GOVERNMENT | |
| LADIES TOILET | KORUKONDA ROAD | SULABAH COMP... | PRIVATE | |
| MUNCIPAL I.L.C.S. PADAKAM COMMU... | ALCOT GARDENS, FACTORY V... | SULABH COMPLEX | GOVERNMENT | |
| N.R.C.P GODAVEARI ACTION PLAN S... | OPP.JAMPETA MARKET | MAINTANANCE ... | | |
| NADI JALA KALUSHYA NEVARANA PA... | NEAR STADIUM, RAJAHMUNDRY | SULABH COMPLEX | GOVERNMENT | |
| PRINCE BILLIARDS | OBULA REDDY COMPLEX,GAN... | BILLIARDS | PRIVATE | |
| PUBLIC TOILETS | GODAVARI GATTU | NEAR VYSYA HO... | | |
| SULABAH COMPLEX | AZAD CHOWK | PUBLIC TOILETS | PRIVATE | |
| SULABH COMPLEX | KOTILINGALA PETA | | GOVT | |
| SULABH COMPLEX | NEAR ANNAPURNA HOSPITAL | PUBLIC TOILETS | PRIVATE | |
| SULABH COMPLEX | N.T.R.COLONY SITAMPETA | PUBLIC TOILETS | PRIVATE | |
| SULABH COMPLEX | Nataraj Road | Public Toilets | GOVT | |
| SULABH COMPLEX | KANDAKAM LANE,FORT GATE | SULABH COMPLEX | GOVERNMENT | |
| SULABH COMPLEX | NEAR RELAINCE BUNK | TOILETS | GOVT.FUNDS | |
| SULABH COMPLEX,TADI THOTA | NEAR SBI TADI THOTA BRANC... | SULABH COMPLEX | GOVERNMENT | |
| Sulabh complex | Y-Junction | Public Toilets | Public | |
| Sulabh complex | Kambala tank | Public toilets | Private | |

POLITICAL
Query

Ward No's

Ward wise No. of **voters**

a

b

Colour indicates
**population density** (per Sq.Km)

Legend (population density per Sq.Km):
- < 5000
- 5000 - 10000
- 10000 - 15000
- 15000 - 20000
- 20000 - 25000
- 25000 - 30000
- 30000 - 35000
- 35000 - 40000
- 40000 - 45000
- 45000 <

Thanks

Feel free to contact

R.K.Vundavalli

ravivundavalli@yahoo.com