# SCHOOL OF PLANNING AND ARCHITECTURE UNIVERSITY OF MYSORE



## DISTRICT DEVELOPMENT PLAN FOR MYSURU DISTRICT

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**TOPIC: Urban Core Infrastructure & Rurban Cluster** 



MASTERS IN URBAN AND REGIONAL PLANNING SCHOOL OF PLANNING AND ARCHITECTURE

#### URBAN CORE INFRASTRUCTURE & RURBAN CLUSTER

## **Urban Core Infrastructure:**

- The total area of Mysore district is 6307 sq. km.
- Mysore district with a total population of 30, 01,127 stands at 3rd place in the State.
- The district has the second highest density of 476 in the State.
- Mysore district accounts for 4.9 percent of the total population of the State, third highest after Bangalore and Belgaum.
- With the decadal growth rate of 13.6 percent, it ranks 11th in the State in terms of decadal growth rate

## **Regional Planning and City Planning:**

- City planning focuses on the land use plans, spatial growth and policies which are at local level (affecting that particular city or town)
- Whereas in case of regional planning the emphasis on the policies is more.
- Those policies become the guidelines for the urban areas and their existing plans are modified accordingly.
- Regional planning is an urban planning strategy that focuses on the social, economic, and environmental development of a specific area.
- Regional plans address the needs of the entire region rather than just one municipality.
- The benefits of regional planning include coordination of transportation, housing, and other public services such as police, fire departments, hospitals, and schools.

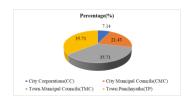
#### **Urban Core Infrastructure Includes:**

- Adequate water supply
- Assured electricity supply
- Sanitation, including solid waste management
- Efficient urban mobility and public transport
- Affordable housing especially for the poor
- Robust IT connectivity and digitalization

# **Urban Core Infrastructure**

# Demographic Studies (As per 2011 Census & Present 2024 Population):

| TYPE OF URBAN LOCAL BODIES |                             |         |               |  |  |  |  |
|----------------------------|-----------------------------|---------|---------------|--|--|--|--|
| Sl No                      | ULB Name                    | Numbers | Percentage(%) |  |  |  |  |
| 1                          | City Corporations(CC)       | 1       | 7.14          |  |  |  |  |
| 2                          | City Muncipal Councils(CMC) | 3       | 21.43         |  |  |  |  |
| 3                          | Town Muncipal Councils(TMC) | 5       | 35.71         |  |  |  |  |
| 4                          | Town Panchayaths(TP)        | 5       | 35.71         |  |  |  |  |
|                            | Total                       | 14      | 100.00        |  |  |  |  |



|       | URBAN LOCAL BODIES IN MYSORE DISTRICT |                  |                              |                   |  |  |  |  |
|-------|---------------------------------------|------------------|------------------------------|-------------------|--|--|--|--|
| Sl No | Name of Taluk                         | Name of ULB      | Road Distance (in KN         | A) from           | Railway Station Distance in (KM) from Taluk Headquarters |  |  |  |
| 51140 | Name of Talux                         | Name of CLB      | District Headquarter(Mysore) | Taluk Headquarter | Kanway Station Distance in (KW) from Taluk Heauquarters  |  |  |  |
|       |                                       | MYSURU(CC)       | 0                            | 0                 | 0  |  |  |  |
|       |                                       | KADAKOLA(TP)     | 13                           | 13                | 0  |  |  |  |
| 1     | MYSURU                                | SRIRAMPURA(TP)   | 6                            | 6                 | 6  |  |  |  |
| 1     | MISURU                                | RAMMANAHALLI(TP) | 12                           | 12                | 12   |  |  |  |
|       |                                       | BOGADI(TP)       | 5                            | 5                 | 5  |  |  |  |
|       |                                       | HOOTAGALLI(CMC)  | 10                           | 15                | 10   |  |  |  |
| 2     | T NARSIPURA                           | T NARSIPURA(TMC) | 30                           | 0                 | 30   |  |  |  |
| 2     | I NAKSH UKA                           | BANNUR(TMC)      | 24                           | 16                | 24   |  |  |  |
| 3     | NANJANGUD                             | NANJANGUD(CMC)   | 24                           | 0                 | 0  |  |  |  |
| 4     | H D KOTE                              | H D KOTE(TMC)    | 53                           | 0                 | 53   |  |  |  |
| 5     | SARGUR                                | SARGUR(TP)       | 56                           | 0                 | 56   |  |  |  |
| 6     | K R NAGARA                            | K R NAGARA(TMC)  | 42                           | 0                 | 1  |  |  |  |
| 7     | HUNSUR                                | HUNSUR(CMC)      | 45                           | 0                 | 19   |  |  |  |
| 8     | PERIYAPATNA                           | PERIYAPATNA(TMC) | 67                           | 0                 | 40   |  |  |  |
| 9     | SALIGRAMA                             | NA               | NA                           | NA                | NA   |  |  |  |

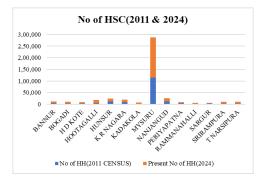
|              | AREA,POPULATION AND HOUSEHOLD DETAILS OF ULBs IN 2011 |        |                |                |                       |                |  |  |  |  |
|--------------|---|--------|----------------|----------------|-----------------------|----------------|--|--|--|--|
| ULB Name     | Type of ULB   | ,      |                |                | Density(PERSON/SQ.KM) | Growth Rate(%) |  |  |  |  |
| BANNUR       | TMC   | 3.09   | 21,896         | 5,186          | 7086                  | 9.25           |  |  |  |  |
| BOGADI       | CT  | 4.73   | 9,041          | 2,282          | 1911                  | 8.85           |  |  |  |  |
| H D KOTE     | TP  | 1.89   | 14,313         | 3,336          | 7573                  | 16.36          |  |  |  |  |
| HOOTAGALLI   | CT  | 3.44   | 18,308         | 4,936          | 5322                  | 0              |  |  |  |  |
| HUNSUR       | TMC   | 11.76  | 50,865         | 11,793         | 4325                  | 15.86          |  |  |  |  |
| K R NAGARA   | TMC   | 8.6    | 35,805         | 8,643          | 4163                  | 16.88          |  |  |  |  |
| KADAKOLA     | CT  | 7.8    | 6,436          | 1,426          | 825                   | 0              |  |  |  |  |
| MYSURU       | CC  | 112.81 | 9,20,550       | 1,15,061       | 8160                  | 26.9           |  |  |  |  |
| NANJANGUD    | TMC   | 14.08  | 50,598         | 12,137         | 3594                  | 10.25          |  |  |  |  |
| PERIYAPATNA  | TP  | 5.99   | 16,685         | 4,031          | 2785                  | 11.8           |  |  |  |  |
| RAMMANAHALLI | UN INHABITATED  | 4.82   | UN INHABITATED | UN INHABITATED | UN INHABITATED        | 0              |  |  |  |  |
| SARGUR       | TP  | 0.59   | 11,425         | 2,703          | 19364                 | 0              |  |  |  |  |
| SRIRAMPURA   | CT  | 3.77   | 11,234         | 2,787          | 2980                  | 0              |  |  |  |  |
| T NARSIPURA  | TP  | 1      | 9,980          | 2,534          | 9980                  | 55.26          |  |  |  |  |

|              | PRESEN      | T AREA,POI  | PULATION AND HOU         | SEHOLD DETAILS OF      | ULBs IN 2024          |                   |
|--------------|-------------|-------------|--------------------------|------------------------|-----------------------|-------------------|
| ULB Name     | Type of ULB | Area(SQ.KM) | Present Population(2024) | Present No of HH(2024) | Density(PERSON/SQ.KM) | Total No of Wards |
| BANNUR       | TMC         | 7.56        | 27,117                   | 6,310                  | 3587                  | 23                |
| BOGADI       | TP          | 32.35       | 30,984                   | 7,746                  | 958                   | 21                |
| H D KOTE     | TMC         | 7.6         | 18,381                   | 5,557                  | 2419                  | 23                |
| HOOTAGALLI   | CMC         | 28.48       | 60,000                   | 12,684                 | 2107                  | 31                |
| HUNSUR       | CMC         | 11.76       | 60,458                   | 12,732                 | 5141                  | 31                |
| K R NAGARA   | TMC         | 8.04        | 39,886                   | 11,224                 | 4961                  | 23                |
| KADAKOLA     | TP          | 34.71       | 22,664                   | 5,676                  | 653                   | 20                |
| MYSURU       | CC          | 128.42      | 9,85,940                 | 1,72,783               | 7677                  | 65                |
| NANJANGUD    | CMC         | 11.29       | 52,284                   | 13,274                 | 4631                  | 31                |
| PERIYAPATNA  | TMC         | 12          | 21,427                   | 5,085                  | 1786                  | 23                |
| RAMMANAHALLI | TP          | 22.81       | 27,560                   | 6,756                  | 1208                  | 19                |
| SARGUR       | TP          | 3.85        | 12,560                   | 3,385                  | 3262                  | 12                |
| SRIRAMPURA   | TP          | 14.48       | 33,801                   | 8,047                  | 2334                  | 18                |
| T NARSIPURA  | TMC         | 13.92       | 12,816                   | 8,300                  | 921                   | 23                |

|              | INCREASE IN POPU        | LATION FROM 2011 T       | O 2024                       |
|--------------|-------------------------|--------------------------|------------------------------|
| ULB Name     | Population(2011 CENSUS) | Present Population(2024) | Total increase in Population |
| BANNUR       | 21,896                  | 27,117                   | 5,221                        |
| BOGADI       | 9,041                   | 30,984                   | 21,943                       |
| H D KOTE     | 14,313                  | 18,381                   | 4,068                        |
| HOOTAGALLI   | 18,308                  | 60,000                   | 41,692                       |
| HUNSUR       | 50,865                  | 60,458                   | 9,593                        |
| K R NAGARA   | 35,805                  | 39,886                   | 4,081                        |
| KADAKOLA     | 6,436                   | 22,664                   | 16,228                       |
| MYSURU       | 9,20,550                | 9,85,940                 | 65,390                       |
| NANJANGUD    | 50,598                  | 52,284                   | 1,686                        |
| PERIYAPATNA  | 16,685                  | 21,427                   | 4,742                        |
| RAMMANAHALLI | UN INHABITATED          | 27,560                   | 27,560                       |
| SARGUR       | 11,425                  | 12,560                   | 1,135                        |
| SRIRAMPURA   | 11,234                  | 33,801                   | 22,567                       |
| T NARSIPURA  | 9,980                   | 12,816                   | 2,836                        |

|           | Popul          | lation( 2 | 011 & 2                                     | 024)         |             |
|-----------|----------------|-----------|---|--------------|-------------|
| 20,00,000 |                |           |   |              |             |
| 17,50,000 |                |           | _   |              |             |
| 15,00,000 |                |           | _   |              |             |
| 12,50,000 |                |           | _   |              |             |
| 10,00,000 |                |           | _   |              |             |
| 7,50,000  |                |           | _   |              |             |
| 5,00,000  |                |           | _   |              |             |
| 2,50,000  |                |           | _   |              |             |
| 0         |                |           |   |              |             |
| BAN       | HOOLY CHILL    | ASUR DARA | A SIRU<br>KYSURIGUD<br>HRIPERKA<br>HRIPERKA | ATAMALI SARA | R VRA SPURA |
| ■P(       | opulation(2011 | CENSUS)   |   | t Population | (2024)      |

|              | INCREASE IN HOUSEHOLD FROM 2011 TO 2024 |                        |                            |  |  |  |  |  |
|--------------|---|------------------------|----------------------------|--|--|--|--|--|
| ULB Name     | No of HH(2011 CENSUS)                   | Present No of HH(2024) | Total increase in No of HH |  |  |  |  |  |
| BANNUR       | 5,186                                   | 6,310                  | 1,124                      |  |  |  |  |  |
| BOGADI       | 2,282                                   | 7,746                  | 5,464                      |  |  |  |  |  |
| H D KOTE     | 3,336                                   | 5,557                  | 2,221                      |  |  |  |  |  |
| HOOTAGALLI   | 4,936                                   | 12,684                 | 7,748                      |  |  |  |  |  |
| HUNSUR       | 11,793                                  | 12,732                 | 939                        |  |  |  |  |  |
| K R NAGARA   | 8,643                                   | 11,224                 | 2,581                      |  |  |  |  |  |
| KADAKOLA     | 1,426                                   | 5,676                  | 4,250                      |  |  |  |  |  |
| MYSURU       | 1,15,061                                | 1,72,783               | 57,722                     |  |  |  |  |  |
| NANJANGUD    | 12,137                                  | 13,274                 | 1,137                      |  |  |  |  |  |
| PERIYAPATNA  | 4,031                                   | 5,085                  | 1,054                      |  |  |  |  |  |
| RAMMANAHALLI | UN INHABITATED                          | 6,756                  | 6,756                      |  |  |  |  |  |
| SARGUR       | 2,703                                   | 3,385                  | 682                        |  |  |  |  |  |
| SRIRAMPURA   | 2,787                                   | 8,047                  | 5,260                      |  |  |  |  |  |
| T NARSIPURA  | 2,534                                   | 8,300                  | 5,766                      |  |  |  |  |  |



| % SHARE      | OF AREA IN 2011 & | 2024 BY ULBs      |
|--------------|-------------------|-------------------|
| ULB Name     | % Area(SQ.KM)2011 | % Area(SQ.KM)2024 |
| BANNUR       | 1.68              | 2.24              |
| BOGADI       | 2.57              | 9.59              |
| H D KOTE     | 1.03              | 2.25              |
| HOOTAGALLI   | 1.87              | 8.44              |
| HUNSUR       | 6.38              | 3.49              |
| K R NAGARA   | 4.66              | 2.38              |
| KADAKOLA     | 4.23              | 10.29             |
| MYSURU       | 61.19             | 38.08             |
| NANJANGUD    | 7.64              | 3.35              |
| PERIYAPATNA  | 3.25              | 3.56              |
| RAMMANAHALLI | 2.61              | 6.76              |
| SARGUR       | 0.32              | 1.14              |
| SRIRAMPURA   | 2.04              | 4.29              |
| T NARSIPURA  | 0.54              | 4.13              |
| 14 ULBs AREA | 100.00            | 100.00            |



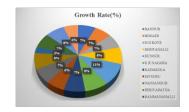


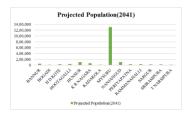
|  | 2011  | 2024  | Observation   |
|--|---|---|---|
| Area   | Mysuru is the<br>largest in area<br>i.e,128.42 SQ.KM<br>Sargur TP is the<br>smallest in area<br>i.e,0.59 SQ.KM  | Mysuru CC is the largest in area i.e,128.42 SQ.KM  Sargur TP is the smallest in area i.e,3.85 SQ.KM | ULBs are expanding in<br>area due to requirement<br>of space because of<br>increase in the population   |
| Population   | Most Populated<br>ULB was Mysore<br>with the population<br>of 9,20,550 and<br>growth rate of<br>26.9%<br>Ramanahalli was<br>Un Habitated<br>Village in 2011 | Most Populated ULB was Mysore with the population of 9,85,940.  Sargur is less populated ULBs       | Growth rate is high<br>because of urbanization<br>and better infrastructure<br>facilities   |
| No of<br>Households  | Mysore has highest<br>HH i.e,1,15,061<br>Ramanahalli was<br>Un Habitated  | Mysore has highest<br>HH i.e,1,72,783<br>Now it has 6,756   | Total increase of 57,722<br>due to migration and<br>better Infrastructure<br>Facility, Education, Jobs<br>Due to the close<br>proximity of Mysore, this |
|  | Village in 2011   |   | village has transformed into TP   |
| Density Sargur has the highest population density of 19,364 Person/SQ.KM |   | Hunsur has the highest<br>population density of<br>5141 Person/SQ.KM                                | Sargur had the highest<br>density because the area<br>was 0.59 SQ.KM in 2011  |
| ULBs   | 1 CC,4 TMC,4 TP,4<br>CT   | 1 CC,3 CMC,5 TMC,5<br>TP  |   |

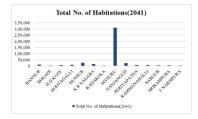
# **Demographic Studies for 2041 (Projected Population):**

|              | POPULATION PROJECTION FOR 2041 |                             |                           |                               |                               |                               |                                   |                   |                 |  |
|--------------|--------------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------------|-------------------|-----------------|--|
| ULB Name     | Area(SQ.<br>KM)                | Present<br>Population(2024) | Present No of<br>HH(2024) | Projected<br>Population(2021) | Projected<br>Population(2031) | Projected<br>Population(2041) | Total No. of<br>Habitations(2041) | Growth<br>Rate(%) | Density(Pa/Sqm) |  |
| BANNUR       | 7.56                           | 27,117                      | 6,310                     | 28,400                        | 37,600                        | 46,800                        | 11,143                            | 12.66             | 6,190           |  |
| BOGADI       | 32.35                          | 30,984                      | 7,746                     | 11,700                        | 15,100                        | 19,500                        | 4,643                             | 12.38             | 603             |  |
| H D KOTE     | 7.6                            | 18,381                      | 5,557                     | 18,600                        | 24,400                        | 30,200                        | 7,190                             | 12.21             | 3,974           |  |
| HOOTAGALLI   | 28.48                          | 60,000                      | 12,684                    | 23,800                        | 31,400                        | 39,000                        | 9,286                             | 14.49             | 1,369           |  |
| HUNSUR       | 11.76                          | 60,458                      | 12,732                    | 66,000                        | 85,000                        | 1,04,000                      | 24,762                            | 18.27             | 8,844           |  |
| K R NAGARA   | 8.04                           | 39,886                      | 11,224                    | 46,000                        | 56,000                        | 66,000                        | 15,714                            | 14.15             | 8,209           |  |
| KADAKOLA     | 34.71                          | 22,664                      | 5,676                     | 8,300                         | 10,400                        | 17,500                        | 4,167                             | 12.80             | 504             |  |
| MYSURU       | 128.42                         | 9,85,940                    | 1,72,783                  | 10,38,469                     | 11,71,453                     | 13,04,437                     | 3,10,580                          | 11.19             | 10,158          |  |
| NANJANGUD    | 11.29                          | 52,284                      | 13,274                    | 65,000                        | 83,000                        | 1,01,000                      | 24,048                            | 12.82             | 8,946           |  |
| PERIYAPATNA  | 12                             | 21,427                      | 5,085                     | 21,600                        | 28,500                        | 35,400                        | 8,429                             | 13.49             | 2,950           |  |
| RAMMANAHALLI | 22.81                          | 27,560                      | 6,756                     | 30,520                        | 32,265                        | 34,010                        | 8,098                             | 5.13              | 1,491           |  |
| SARGUR       | 3.85                           | 12,560                      | 3,385                     | 14,800                        | 19,300                        | 23,800                        | 5,667                             | 12.91             | 6,182           |  |
| SRIRAMPURA   | 14.48                          | 33,801                      | 8,047                     | 14,600                        | 19,000                        | 23,400                        | 5,571                             | 13.80             | 1,616           |  |
| T NARSIPURA  | 13.92                          | 12,816                      | 8,300                     | 12,900                        | 16,700                        | 20,500                        | 4,881                             | 10.54             | 1,473           |  |

| Urba              | n Classification o | of Towns(URDPFI)      |
|-------------------|--------------------|-----------------------|
| Class I >1,00,000 |                    | City Corporation      |
| Class II          | 50,000-99,999      | City Muncipal Council |
| Class III         | 20,000-49,999      | Town Muncipal Council |
| Class IV          | 10,000-19,999      | Town Panchayath       |
| Class V           | 5,000-9,999        |                       |
| Class VI          | <5,000             |                       |







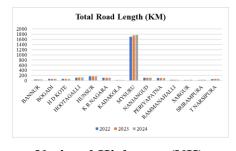
# 1. Transportation:

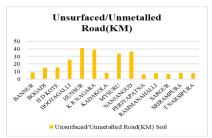
# (a) Analysis:

|       | CONNECTIVITY         |                   |  |                   |  |               |                         |                  |  |  |
|-------|----------------------|-------------------|--|-------------------|--|---------------|-------------------------|------------------|--|--|
|       |                      |                   | National Highway(NH)   | State Highway(SH) |  | Railway       | Railways                |                  |  |  |
| Sl No | Name of Taluk        | Name of ULB       | No of NH   | NH Length(KM)     | No of SH   | SH Length(KM) | Railway Line Length(KM) | Railway Stations |  |  |
|       |                      | MYSURU(CC)        |  |                   |  |               |                         |                  |  |  |
|       |                      | KADAKOLA(TP)      | National Highway 150A (NH 150A): Connects Mysore to Chamarajanagar     |                   | SH 86:Connects T Narsipur and Kollegal                                     |               |                         |                  |  |  |
|       | A PERSONAL PROPERTY. | SRIRAMPURA(TP)    | National Highway 275 (NH 275): Connects Bangalore to Mangalore         | 402.0             | SH 88 A:Connects Hunsur and Hassan   | 227 5         | D LG SAVOL              |                  |  |  |
| 1     | MYSURU               | RAMMANAHALLI(TP)  | National Highway 766 (NH 766): Connects Mysore to Kollegal and beyond. | 103.8             | SH 17 D: Connects Bannur and Malavalli                                     | 227.5         | Broad Gauge-72KM        | 8                |  |  |
|       |                      | BOGADI(TP)        |  | I                 | SH 33:Connects Kollegal and Bannur   |               |                         |                  |  |  |
|       |                      | HOOTAGALLI(CMC)   |  |                   |  |               |                         |                  |  |  |
|       |                      | T NARSIPURA(TMC)  |  |                   | SH 86:Connects T Narsipur and Kollegal                                     |               |                         |                  |  |  |
| 2     | T NARSIPURA          |                   | National Highway 275 (NH 275): Connects Bangalore to Mangalore         | 25                | SH 79:Conects T Narsipur to Bannur   | 83.5          |                         |                  |  |  |
|       |                      | BANNUR(TMC)       |  |                   | SH 33:Connects Kollegal and Bannur   |               |                         |                  |  |  |
| 3     |                      |                   | National Highway 766 (NH 766): Connects Mysore to Kollegal and beyond. | 40.6              | SH 81:Connects Nanjungud to Chamrajnagar                                   | 143.45        | Broad Gauge-25 KM       | 6                |  |  |
|       | NANJANGUD            | NANJANGUD(CMC)    | National Highway 150A (NH 150A): Connects Mysore to Chamarajanagar     | 40.0              | SH 88 A:Connects Hunsur and Hassan   |               | Droud Gauge 25 IUI      | Ü                |  |  |
| 4     | H D KOTE             | KOTE              | No.  | 0                 | SH 86:Connects T Narsipur and Kollegal                                     | 140.04        |                         |                  |  |  |
| -     |                      | H D KOTE(TMC)     |  |                   | SH 33:Connects Kollegal and Bannur   |               |                         |                  |  |  |
| 5     | SARGUR               | SARGUR(TP)        | No   | 0                 | SH 33:Connects Kollegal and Bannur   | 83.5          |                         |                  |  |  |
| 6     | v.n.vc.n.            | VID VIG ID I MING | National Highway 275 (NH 275): Connects Bangalore to Mangalore         | 19.6              | SH 85:Connects Mysore,Hassan and   | 138.96        | Broad Gauge-59KM        | 2                |  |  |
|       | K R NAGARA           | K R NAGARA(TMC)   |  |                   | Holenarsipura  |               | ū                       |                  |  |  |
| 7     | HUNSUR               | HUNSUR(CMC)       | National Highway 275 (NH 275): Connects Bangalore to Mangalore         | 41.8              | SH 90:Connects Hunsur to Periyapatna<br>SH 88 A:Connects Hunsur and Hassan | 83.38         |                         |                  |  |  |
| 8     | PERIYAPATNA          | PERIYAPATNA(TMC)  | National Highway 275 (NH 275): Connects Bangalore to Mangalore         | 27.28             | SH 90:Connects Hunsur to Periyapatna                                       | 136.79        |                         |                  |  |  |
| 9     | SALIGRAMA            | NA NA             | National Highway 66 (NH 66): Connects Panvel to Kanyakumari            | 10.2              | 0  | 0             |                         |                  |  |  |
|       | O LLIGHTINIA         | .4/1              | Tunional Tagaira, 00 (111 00). Collects I diver to Kanyakunan          | 10.2              | 0  |               |                         |                  |  |  |

| TOTAL LENGTH OF ROAD(KM) |       |        |        |
|--------------------------|-------|--------|--------|
| ULB's                    | 2022  | 2023   | 2024   |
| BANNUR                   |       |        |        |
|                          | 48    | 49.5   | 51     |
| BOGADI                   | 68    | 69     | 70     |
| H D KOTE                 | 72.4  | 74.6   | 74.6   |
| HOOTAGALLI               | 118   | 121    | 120    |
| HUNSUR                   | 170   | 174    | 175    |
| K R NAGARA               | 112   | 114    | 115    |
| KADAKOLA                 | 27    | 28     | 29.2   |
| MYSURU                   | 1,702 | 1,752  | 1,762  |
| NANJANGUD                | 112   | 115    | 116    |
| PERIYAPATNA              | 99    | 100.01 | 102.51 |
| RAMMANAHALLI             | 35    | 37     | 39     |
| SARGUR                   | 29    | 30     | 31     |
| SRIRAMPURA               | 30    | 31     | 32     |
| T NARSIPURA              | 62    | 65     | 67     |

|              | PRESENT TYPE OF ROAD IN ULBs |                 |                                |  |  |
|--------------|------------------------------|-----------------|--------------------------------|--|--|
| ULB's        | Surfaced/Metalled Road(KM)   |                 | Unsurfaced/Unmetalled Road(KM) |  |  |
| ULB S        | WBM                          | Cement Concrete | Soil                           |  |  |
| BANNUR       | 39                           | 3.25            | 8.75                           |  |  |
| BOGADI       | 52                           | 3               | 15                             |  |  |
| H D KOTE     | 53                           | 6.25            | 15.35                          |  |  |
| HOOTAGALLI   | 77.65                        | 16.75           | 25.6                           |  |  |
| HUNSUR       | 125.52                       | 8.3             | 41.18                          |  |  |
| K R NAGARA   | 68.32                        | 7.85            | 38.83                          |  |  |
| KADAKOLA     | 18                           | 2.76            | 8.44                           |  |  |
| MYSURU       | 1,588                        | 140.35          | 33.65                          |  |  |
| NANJANGUD    | 74.08                        | 5.36            | 36.56                          |  |  |
| PERIYAPATNA  | 89.75                        | 6.42            | 6.34                           |  |  |
| RAMMANAHALLI | 30                           | 1.58            | 7.42                           |  |  |
| SARGUR       | 22                           | 2.5             | 6.5                            |  |  |
| SRIRAMPURA   | 21                           | 2.65            | 8.35                           |  |  |
| T NARSIPURA  | 55.95                        | 3.25            | 7.8                            |  |  |







## National Highways (NH):

- 1) NH 275: Connects Bangalore to Mangalore
- 2) NH 766: Connects Mysore to Kollegal and beyond.
- 3) NH 150A: Connects Mysore to Chamarajanagar.

## **State Highways (SH):**

- 1) SH 17: Connects Bangalore to Mysore via Ramanagara.
- 2) SH 88: Connects Mysore to Nanjangud.
- 3) SH 12: Connects Mysore to Madikeri
- 4) SH 90: Connects Hunsur to Periyapatna
- 5) SH 33: Connects Kollegal and Bannur
- 6) SH 79: Conects T Narsipur to Bannur
- 7) SH 86: Connects T Narsipur and Kollegal
- 8) SH 85: Connects Mysore, Hassan and Holenarsipura
- 9) SH 81: Connects Nanjungud to Chamrajnagar

**Conclusion:** The dynamics of urban development has resulted in a lot of mixed use getting developed along major roads, esp. the NH and the core city area

#### Railways:

- Railways also play a major role in connectivity.
- There are 16 Railways Station
- Mysore Railway Station is the main Station

| PROPOSED ROAD IN ULBs |                          |                                     |                                |  |  |  |
|-----------------------|--------------------------|-------------------------------------|--------------------------------|--|--|--|
| ULB's                 | Total Road<br>Length(KM) | Existing All<br>Weather<br>Road(KM) | Proposed<br>Road<br>Length(KM) |  |  |  |
| BANNUR                | 51                       | 42.25                               | 8.75                           |  |  |  |
| BOGADI                | 70                       | 55                                  | 15                             |  |  |  |
| H D KOTE              | 74.6                     | 59.25                               | 15.35                          |  |  |  |
| HOOTAGALLI            | 120                      | 94.4                                | 25.6                           |  |  |  |
| HUNSUR                | 175                      | 133.82                              | 41.18                          |  |  |  |
| K R NAGARA            | 115                      | 76.17                               | 38.83                          |  |  |  |
| KADAKOLA              | 29.2                     | 20.76                               | 8.44                           |  |  |  |
| MYSURU                | 1,762                    | 1728.35                             | 33.65                          |  |  |  |
| NANJANGUD             | 116                      | 79.44                               | 36.56                          |  |  |  |
| PERIYAPATNA           | 102.51                   | 96.17                               | 6.34                           |  |  |  |
| RAMMANAHALLI          | 39                       | 31.58                               | 7.42                           |  |  |  |
| SARGUR                | 31                       | 24.5                                | 6.5                            |  |  |  |
| SRIRAMPURA            | 32                       | 23.65                               | 8.35                           |  |  |  |
| T NARSIPURA           | 67                       | 59.2                                | 7.8                            |  |  |  |
|                       | 2784.31                  | 2524.54                             | 259.77                         |  |  |  |

|                 | Transportation                 |                             |  |  |  |
|-----------------|--------------------------------|-----------------------------|--|--|--|
| Issues/Problems | Objectives                     | Strategies                  | Proposals/Policy Recommendation  |  |  |
|                 |                                |                             | Atal Mission for Rejuvenation and Urban Transformation -                 |  |  |
|                 |                                | Upgrading 259.77 km of road | AMRUT :<br>To provide basic civic amenities like water supply, sewerage, |  |  |
|                 |                                | length from kuccha road to  | urban transport, parks as to improve the quality of life for all         |  |  |
| is Kuccha Road  | ad road to 100% of BT/CC Roads | road to 100% of BT/CC Roads | surfaced Road  | especially the poor and the disadvantaged. |  |
|                 |                                |                             | The focus of the Mission is on infrastructure creation that has a        |  |  |
|                 |                                |                             | direct link to provision of batter carvices to the citizens              |  |  |

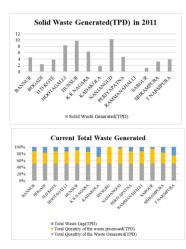
## Atal Mission for Rejuvenation and Urban Transformation -AMRUT:

- To provide basic civic amenities like water supply, sewerage, urban transport, parks as to improve the quality of life for all especially the poor and the disadvantaged.
- The focus of the Mission is on infrastructure creation that has a direct link to provision of better services to the citizens

## 2. Solid Waste Management:

## (a) Analysis:

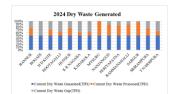
|        | TOTAL WASTE GENERATED IN 2011 |                    |                                    |                               |  |  |
|--------|-------------------------------|--------------------|------------------------------------|-------------------------------|--|--|
| Sl.No. | ULB Name                      | No. of House holds | Population<br>(As per 2011 Census) | Solid Waste<br>Generated(TPD) |  |  |
| 1      | BANNUR                        | 5,186              | 21,896                             | 4.51                          |  |  |
| 2      | BOGADI                        | 2,282              | 9,041                              | 2.36                          |  |  |
| 3      | H D KOTE                      | 3,336              | 14,313                             | 3.78                          |  |  |
| 4      | HOOTAGALLI                    | 4,936              | 18,308                             | 8.32                          |  |  |
| 5      | HUNSUR                        | 11,793             | 50,865                             | 9.74                          |  |  |
| 6      | K R NAGARA                    | 8,643              | 35,805                             | 6.32                          |  |  |
| 7      | KADAKOLA                      | 1,426              | 6,436                              | 1.74                          |  |  |
| 8      | MYSURU                        | 1,15,061           | 9,20,550                           | 450                           |  |  |
| 9      | NANJANGUD                     | 12,137             | 50,598                             | 10.28                         |  |  |
| 10     | PERIYAPATNA                   | 4,031              | 16,685                             | 4.62                          |  |  |
| 11     | RAMMANAHALLI                  | 0                  | 0                                  | 0                             |  |  |
| 12     | SARGUR                        | 2,703              | 11,425                             | 1.2                           |  |  |
| 13     | SRIRAMPURA                    | 2,787              | 11,234                             | 3.17                          |  |  |
| 14     | T NARSIPURA                   | 2,534              | 9,980                              | 3.85                          |  |  |

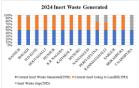


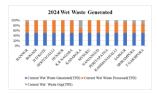
|             | CURRENT TOTAL WASTE GENERATED-2024 |                          |  |  |                         |                    |
|-------------|------------------------------------|--------------------------|--|--|-------------------------|--------------------|
| ULB Name    | Current Population                 | Present Households(2024) | Total Quantity of the<br>Waste<br>Generated(TPD) | Total Quantity of<br>the waste<br>processed(TPD) | Total Waste<br>Gap(TPD) | Total Waste Gap(%) |
| BANNUR      | 27,117                             | 6,310                    | 8.51   | 6.35   | 2.16                    | 25.38              |
| BOGADI      | 30,984                             | 7,746                    | 8.30   | 5.40   | 2.90                    | 34.94              |
| H D KOTE    | 18,381                             | 5,557                    | 8.11   | 6.01   | 2.10                    | 25.89              |
| HOOTAGALLI  | 60,000                             | 12,684                   | 23.00  | 16.80  | 6.20                    | 26.96              |
| HUNSUR      | 60,458                             | 12,732                   | 23.00  | 18.80  | 4.20                    | 18.26              |
| K R NAGARA  | 39,886                             | 11,224                   | 13.00  | 9.30   | 3.70                    | 28.46              |
| KADAKOLA    | 22,664                             | 5,676                    | 3.50   | 1.50   | 2.00                    | 57.14              |
| MYSURU      | 9,85,940                           | 1,72,783                 | 550.00   | 550.00   | 0.00                    | 0.00               |
| NANJANGUD   | 52,284                             | 13,274                   | 23.00  | 20.95  | 2.05                    | 8.91               |
| PERIYAPATNA | 21,427                             | 5,085                    | 9.00   | 6.75   | 2.25                    | 25.00              |
| AMMANAHALI  | 27,560                             | 6,756                    | 6.00   | 4.50   | 1.50                    | 25.00              |
| SARGUR      | 12,560                             | 3,385                    | 2.51   | 2.25   | 0.26                    | 10.36              |
| SRIRAMPURA  | 33,801                             | 8,047                    | 7.50   | 5.00   | 2.50                    | 33.33              |
| T NARSIPURA | 12,816                             | 8,300                    | 10.00  | 5.00   | 5.00                    | 50.00              |

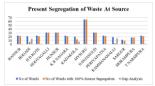
|             | CURRENT DRY WASTE GENERATED         |                                     |                               |                             |  |  |
|-------------|-------------------------------------|-------------------------------------|-------------------------------|-----------------------------|--|--|
| ULB Name    | Current Dry Waste<br>Generated(TPD) | Current Dry Waste<br>Processed(TPD) | Current Dry Waste<br>Gap(TPD) | Current Dry<br>Waste Gap(%) |  |  |
| BANNUR      | 2.98                                | 1.50                                | 1.48                          | 49.58                       |  |  |
| BOGADI      | 2.90                                | 0.00                                | 2.90                          | 100.00                      |  |  |
| H D KOTE    | 2.84                                | 1.10                                | 1.74                          | 61.20                       |  |  |
| HOOTAGALLI  | 8.05                                | 2.00                                | 6.05                          | 75.16                       |  |  |
| HUNSUR      | 8.05                                | 4.00                                | 4.05                          | 50.31                       |  |  |
| K R NAGARA  | 4.55                                | 1.00                                | 3.55                          | 78.02                       |  |  |
| KADAKOLA    | 1.00                                | 0.25                                | 0.75                          | 75.00                       |  |  |
| MYSURU      | 225.00                              | 225.00                              | 0.00                          | 0.00                        |  |  |
| NANJANGUD   | 8.05                                | 6.00                                | 2.05                          | 25.47                       |  |  |
| PERIYAPATNA | 3.15                                | 2.15                                | 1.00                          | 31.75                       |  |  |
| AMMANAHALI  | 2.00                                | 1.50                                | 0.50                          | 25.00                       |  |  |
| SARGUR      | 0.88                                | 0.80                                | 0.08                          | 8.57                        |  |  |
| SRIRAMPURA  | 3.00                                | 1.50                                | 1.50                          | 50.00                       |  |  |
| T NARSIPURA | 3.50                                | 1.00                                | 2.50                          | 71.43                       |  |  |

|             | CURRENT | WET WASTE GE                        | NERATED                       |                             |
|-------------|---------|-------------------------------------|-------------------------------|-----------------------------|
| ULB Name    |         | Current Wet Waste<br>Processed(TPD) | Current Wet<br>Waste Gap(TPD) | Current Wet<br>Waste Gap(%) |
| BANNUR      | 4.68    | 4.00                                | 0.68                          | 14.53                       |
| BOGADI      | 4.50    | 4.50                                | 0.00                          | 0.00                        |
| H D KOTE    | 4.46    | 4.10                                | 0.36                          | 8.07                        |
| HOOTAGALLI  | 12.65   | 12.50                               | 0.15                          | 1.19                        |
| HUNSUR      | 12.65   | 12.50                               | 0.15                          | 1.19                        |
| K R NAGARA  | 7.15    | 7.00                                | 0.15                          | 2.10                        |
| KADAKOLA    | 2.00    | 0.75                                | 1.25                          | 62.50                       |
| MYSURU      | 275.00  | 275.00                              | 0.00                          | 0.00                        |
| NANJANGUD   | 12.65   | 12.65                               | 0.00                          | 0.00                        |
| PERIYAPATNA | 4.95    | 4.10                                | 0.85                          | 17.17                       |
| AMMANAHALI  | 3.00    | 2.50                                | 0.50                          | 16.67                       |
| SARGUR      | 1.38    | 1.20                                | 0.18                          | 13.04                       |
| SRIRAMPURA  | 4.00    | 3.00                                | 1.00                          | 25.00                       |
| T NARSIPURA | 5.50    | 4.00                                | 1.50                          | 27.27                       |









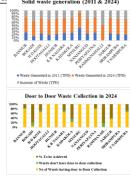
|             | CURRENT INERT WASTE GENERATED         |   |                         |                       |  |
|-------------|---------------------------------------|---|-------------------------|-----------------------|--|
| ULB Name    | Current Inert Waste<br>Generated(TPD) | Current Inert Going<br>to Landfill(TPD) | Inert Waste<br>Gap(TPD) | Inert Waste<br>Gap(%) |  |
| BANNUR      | 0.85                                  | 0.85                                    | 0.00                    | 0.00                  |  |
| BOGADI      | 0.90                                  | 0.80                                    | 0.10                    | 11.11                 |  |
| H D KOTE    | 0.81                                  | 0.81                                    | 0.00                    | 0.00                  |  |
| HOOTAGALLI  | 2.30                                  | 2.30                                    | 0.00                    | 0.00                  |  |
| HUNSUR      | 2.30                                  | 2.30                                    | 0.00                    | 0.00                  |  |
| KR NAGARA   | 1.30                                  | 1.30                                    | 0.00                    | 0.00                  |  |
| KADAKOLA    | 0.50                                  | 0.50                                    | 0.00                    | 0.00                  |  |
| MYSURU      | 60.00                                 | 60.00                                   | 0.00                    | 0.00                  |  |
| NANJANGUD   | 2.30                                  | 2.30                                    | 0.00                    | 0.00                  |  |
| PERIYAPATNA | 0.90                                  | 0.50                                    | 0.40                    | 44.44                 |  |
| AMMANAHALI  | 1.00                                  | 0.50                                    | 0.50                    | 50.00                 |  |
| SARGUR      | 0.25                                  | 0.25                                    | 0.00                    | 0.00                  |  |
| SRIRAMPURA  | 0.50                                  | 0.50                                    | 0.00                    | 0.00                  |  |
| T NARSIPURA | 1.00                                  | 0.00                                    | 1.00                    | 100.00                |  |

|       | CURRENT SEGREGATION OF WASTE AT SOURCE |             |                                 |              |  |
|-------|--|-------------|---------------------------------|--------------|--|
| Sl No | ULB's                                  | No of Wards | No of Wards with<br>100% Source | Gap Analysis |  |
| 1     | BANNUR                                 | 23          | 22                              | 1            |  |
| 2     | BOGADI                                 | 21          | 6                               | 15           |  |
| 3     | H D KOTE                               | 23          | 21                              | 2            |  |
| 4     | HOOTAGALLI                             | 31          | 31                              | 0            |  |
| 5     | HUNSUR                                 | 31          | 31                              | 0            |  |
| 6     | K R NAGARA                             | 23          | 21                              | 2            |  |
| 7     | KADAKOLA                               | 20          | 13                              | 7            |  |
| 8     | MYSURU                                 | 65          | 65                              | 0            |  |
| 9     | NANJANGUD                              | 31          | 31                              | 0            |  |
| 10    | PERIYAPATNA                            | 23          | 22                              | 1            |  |
| 11    | RAMMANAHALLI                           | 19          | 3                               | 16           |  |
| 12    | SARGUR                                 | 12          | 10                              | 2            |  |
| 13    | SRIRAMPURA                             | 18          | 18                              | 0            |  |
| 14    | T NARSIPURA                            | 23          | 21                              | 2            |  |

| DETAIL | DETAILS OF SUP (SINGLE USE PLASTIC) RAII |   |  |  |
|--------|--|---|--|--|
| Sl No  | ULB's                                    | No of raids on use of<br>single use plastic is carried<br>till May 2024 |  |  |
| 1      | Mysuru                                   | 708   |  |  |
| 2      | Hootagalli                               | 42  |  |  |
| 3      | Hunsur                                   | 35  |  |  |
| 4      | Nanjangudu                               | 27  |  |  |
| 5      | Bannur                                   | 27  |  |  |
| 6      | H.D. Kote                                | 35  |  |  |
| 7      | K.R.Nagar                                | 47  |  |  |
| 8      | Periyapatna                              | 32  |  |  |
| 9      | T Narsipura                              | 43  |  |  |
| 10     | Bogadi                                   | 8   |  |  |
| 11     | Kadakola                                 | 10  |  |  |
| 12     | Rammanahalli                             | 16  |  |  |
| 13     | Sargur                                   | 31  |  |  |
| 14     | Srirampura                               | 15  |  |  |
|        | •  | 1076  |  |  |

| WASTE GENERATED COMPARISSION-2011 & 2024 |                               |                                  |                         |                        |  |
|--|-------------------------------|----------------------------------|-------------------------|------------------------|--|
| ULB Name                                 | Waste Generated in 2011 (TPD) | Waste Generated in 2024<br>(TPD) | Increase of Waste (TPD) | % Increase of<br>Waste |  |
| BANNUR                                   | 4.51                          | 8.51                             | 4.00                    | 53.00                  |  |
| BOGADI                                   | 2.36                          | 8.30                             | 5.94                    | 28.43                  |  |
| H D KOTE                                 | 3.78                          | 8.11                             | 4.33                    | 46.61                  |  |
| HOOTAGALLI                               | 8.32                          | 23.00                            | 14.68                   | 36.17                  |  |
| HUNSUR                                   | 9.74                          | 23.00                            | 13.26                   | 42.35                  |  |
| KR NAGARA                                | 6.32                          | 13.00                            | 6.68                    | 48.62                  |  |
| KADAKOLA                                 | 1.74                          | 3.50                             | 1.76                    | 49.71                  |  |
| MYSURU                                   | 450                           | 550.00                           | 100.00                  | 81.82                  |  |
| NANJANGUD                                | 10.28                         | 23.00                            | 12.72                   | 44.70                  |  |
| PERIYAPATNA                              | 4.62                          | 9.00                             | 4.38                    | 51.33                  |  |
| AMMANAHALI                               | UN INHABITATED                | 6.00                             | 6.00                    | 100.00                 |  |
| SARGUR                                   | 1.2                           | 2.51                             | 1.31                    | 47.81                  |  |
| SRIRAMPURA                               | 3.17                          | 7.50                             | 4.33                    | 42.27                  |  |
| T NARSIPURA                              | 3.85                          | 10.00                            | 6. Salid masta m        | eneration (2011 & 2024 |  |

| 1076   |              |   |  |                            | 10.00  |  |                            |                                       |
|--------|--------------|---|--|----------------------------|--|--|----------------------------|---------------------------------------|
|        | ULB          | CURRENT WE  | T WASTE PROC   | ESSING                     | CURRENT DRY WASTE PROCESSING                     |  |                            | OVERALL                               |
| Sl No. | ULB Name     | Design Capacity of Wet<br>Waste Processing<br>Facilities(TPD) | Design Operational<br>Capacity of Wet<br>Waste Processing<br>Facilities(TPD) | Capacity<br>Utilization(%) | Design<br>Capacity of<br>Dry Waste<br>Processing | Design Operational<br>Capacity of Dry<br>Waste Processing<br>Facilities(TPD) | Capacity<br>Utilization(%) | Overall<br>Capacity<br>Utilization(%) |
| 1      | BANNUR       | 5   | 4  | 80%                        | 3  | 1.5  | 50%                        | 65%                                   |
| 2      | BOGADI       | NA  | NA   | NA                         | NA   | NA   | NA                         | NA                                    |
| 3      | H D KOTE     | 4.5   | 4.1  | 91.11%                     | 2.5  | 1.1  | 44.00%                     | 67.55%                                |
| 4      | HOOTAGALLI   | NA  | NA   | NA                         | NA   | NA   | NA                         | NA                                    |
| 5      | HUNSUR       | 13  | 12.5   | 96.15%                     | 9  | 4  | 44.44%                     | 70.29%                                |
| 6      | K R NAGARA   | 13  | 7  | 53.84%                     | 3  | 1  | 33.33%                     | 16.66%                                |
| 7      | KADAKOLA     | NA  | NA   | NA                         | NA   | NA   | NA                         | NA                                    |
| 8      | MYSURU       | 350   | 275  | 78.57%                     | 245  | 225  | 91.84%                     | 85.20%                                |
| 9      | NANJANGUD    | 15  | 12.65  | 84.33%                     | 6  | 6  | 100.00%                    | 92.16%                                |
| 10     | PERIYAPATNA  | 5   | 4.1  | 82%                        | 5  | 2.15   | 43.00%                     | 62.50%                                |
| 11     | RAMMANAHALLI | NA  | NA   | NA                         | NA   | NA   | NA                         | NA                                    |
| 12     | SARGUR       | 2   | 1.2  | 60%                        | 1.5  | 0.8  | 53.33%                     | 56.66%                                |
| 13     | SRIRAMPURA   | NA  | NA   | NA                         | NA   | NA   | NA                         | NA                                    |
| 14     | T NARSIPURA  | NA  | NA   | NA                         | 2.5  | 1  | 40%                        | 40%                                   |



|                    | CURRENT STATUS OF SWM SITE IN THE ULBS    |                       |  |  |  |  |  |  |
|--------------------|---|-----------------------|--|--|--|--|--|--|
| Name of the<br>ULB | Whether land is in<br>possession (Yes/No) | DPR Approved (Yes/No) | If the SWM site is not in<br>possession, Status of<br>identification                                       | Common<br>facilities<br>developed(comp<br>ound wall,<br>approach road,<br>internal road,<br>security room,<br>weighbridge, | Whether<br>SWM Facility<br>is in<br>operation? |  |  |  |
| Mysuru             | Yes                                       | Yes                   | Vidyaranya puram Survey<br>Nos 180,181, Kesare<br>Survey Nos<br>308,309,312,317<br>Ravankere Survey Nos 89 | Developed  | Yes  |  |  |  |
| Nanjangud          | Yes                                       | Yes                   | Veeradevenapura Survey<br>No 187 . 7.23 Acres  | Developed  | Yes  |  |  |  |
| Hunsur             | Yes                                       | Yes                   | Survey No 192<br>Doddahunasuru, 4.50<br>Acres  | Developed  | Yes  |  |  |  |
| K R Nagara         | Yes                                       | Yes                   | Mudlukoppalu, Survey No<br>95, 4.05 Acres  | Developed  | Yes  |  |  |  |
| Bannur             | Yes                                       | Yes                   | Chamanahalli Survey No<br>131, 5 Acres   | Developed  | Yes  |  |  |  |
| T.Narasipura       | Yes                                       | Yes                   | Kudlur Survey No<br>144 3 acres  | Developed  | Yes  |  |  |  |
| Periyapatna        | Yes                                       | Yes                   | Kaggundi-4 Acres   | Developed  | Yes  |  |  |  |
| H D kote           | Yes                                       | Yes                   | VaddargudiSurvey No 47-<br>48, 5 Acres   | Developed  | Yes  |  |  |  |
| Sargur             | Yes                                       | Yes                   | Narasipura Road Survey<br>No 84, 4 Acres   | Developed  | Yes  |  |  |  |
| Hootagahalli       | Yes                                       | Yes                   | KIADB Industrial Area,<br>site No 29 C-3, 2.70 Acres   | Yet to be started  | No   |  |  |  |
| Bogadi             | Yes                                       | Yes                   | Kemmanpura Survey No 22<br>2 Acres   |  | No   |  |  |  |
| Kadakola           | Yes                                       | Yes                   | Gudumavanahalli grama<br>survey No 68, 4 acres   |  | No   |  |  |  |
| Rammanahalli       | Yes                                       | Yes                   | Hanchya grama survey no<br>381, 2 acres  |  | No   |  |  |  |
| Srirampura         | Yes                                       | Yes                   | Gorur Survey No 72, 38<br>Guntas   |  | No   |  |  |  |

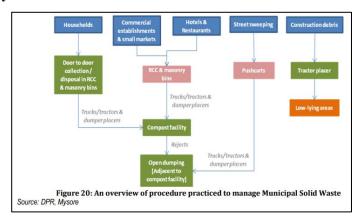
- Mechanical road sweeping is not carried out in the district only manual sweeping is practiced.
- All ULB's have dedicated vehicles for Waste collection
- All ULB's have SWM site in the District but it's not in function in Bogadi , Kadakola ,Ramanahalli, Hootagalli & Srirampura
- Transportation of the waste to the processing site is within 10 Km from the towns
- Due to non-functioning of SWM site in Bogadi, Kadakola, Ramanahalli, Hootagalli & Srirampura, collected waste is sent to Mysore SWM site for scientific disposal.

|             |                               |                                   | WASTE GENER  | ATION IN 2041  |  |                        |  |
|-------------|-------------------------------|-----------------------------------|--|--|--|------------------------|--|
| ULB Name    | Projected<br>Population(2041) | Total No. of<br>Habitations(2041) | Total Waste<br>Generation(400<br>grams/person/day) | Total Wet Waste<br>Generation(250<br>grams/person/day) | Total Dry Waste<br>Generation(250<br>grams/person/day) | Existing<br>Area(Acre) | Area<br>Required(Propose<br>d Area+2.5 Acre<br>Buffer) |
| BANNUR      | 46,800                        | 11,143                            | 16.85  | 11.70  | 1.67   | 5 Acres                | 7 Acre   |
| H D KOTE    | 30,200                        | 7,190                             | 10.87  | 7.55   | 1.08   | 5 Acres                | 9.5 Acre   |
| HUNSUR      | 1,04,000                      | 24,762                            | 37.44  | 26.00  | 3.71   | 4.50 Acres             | 7 Acre   |
| K R NAGARA  | 66,000                        | 15,714                            | 23.76  | 16.50  | 2.36   | 4.05 Acres             | 6.55 Acre  |
| MYSURU      | 1304437.00                    | 310580                            | 469.60   | 326.11   | 46.59  | 60 Acres               | 85 Acre  |
| HOOTAGALLI  | 39,000                        | 9,286                             | 14.04  | 9.75   | 1.39   | 2.70 Acres             | 4.5 Acre   |
| SRIRAMPURA  | 23,400                        | 5,571                             | 8.42   | 5.85   | 0.84   | 38 Guntas              | 4 Acre   |
| KADAKOLA    | 17,500                        | 4,167                             | 6.30   | 4.38   | 0.63   | 4 acres                | 8.5 Acre   |
| AMMANAHAL   | 34,010                        | 8,098                             | 12.24  | 8.50   | 1.21   | 2 acres                | 6.5 Acre   |
| BOGADI      | 19,500                        | 4,643                             | 7.02   | 4.88   | 0.70   | 2 Acres                | 6.5 Acre   |
| NANJANGUD   | 1,01,000                      | 24,048                            | 36.36  | 25.25  | 3.61   | 7.23 Acres             | 12 Acre  |
| PERIYAPATNA | 35,400                        | 8,429                             | 12.74  | 8.85   | 1.26   | 4 Acres                | 8.5 Acre   |
| SARGUR      | 23,800                        | 5,667                             | 8.57   | 5.95   | 0.85   | 4 Acres                | 8.5 Acre   |
| T NARSIPURA | 20,500                        | 4,881                             | 7.38   | 5.13   | 0.73   | 3 acres                | 7.5 Acre   |

|   | SOLID WAST   | E GENERATION  |   |
|---|--|---|---|
| Issues/Problems   | Objectives   | Strategies  | Proposals/Policy Recommendation   |
| 1.Deficiency in the 100% coverage of waste generators through door to door collection. 2.Some wards are not practicing the 100% source segregation of municipal solid waste in the ULBs. 3.Waste is directly dumped without any treatment of the waste in the landfills | 2.Achieve 100% source segregation of municipal solid waste in all ULBs.     3. 100% of the biodegradable waste to be processed using appropriate technology.     4.No waste to be dumped or burnt in open space.     5 Products made of plastic are banned under | 1. Waste should be segregated at the house itself 2. Door to door collection to be done by muncipality daily 3. Dry waste should be sent to Material Recovery Facility and Wet waste should be sent to composting and processing all the 100% of collected waste 4. After the compositing done the remaining inert material which is non reactive should be dumped in the lanndfill 5. Provide 100 m of buffer to the Sanitary Landfill to disconnect with the adjacent place present near it | The existing Facilities of all the ULBs are expanded in the area to accommodate the waste in 2041 & 100 m buffer is provided according to the |

#### Procedure followed for MSW disposal in Mysore:

| I             | Existing Solid Waste Management in Mysore   |     |  |  |  |  |  |  |
|---------------|---|-----|--|--|--|--|--|--|
| Type of Waste | Type of Waste Type of Treatment Facility  |     |  |  |  |  |  |  |
| Dry Waste     | 30 TPD ZWM, 20 TPD DWCC, 15 TPD MRF at<br>Kesare, 2TPD Plastic Waste Processing Unit  | 67  |  |  |  |  |  |  |
| Wet Waste     | Facility Provided 410TPD (200 TPD<br>Vidyaranyapuram Waste to Compost Plant, 200 TPD<br>Kesare Waste to Compost Plant, , 10TPD poultry<br>waste processing) | 410 |  |  |  |  |  |  |



|  | SOLID WASTE GENERATION IN MYSORE    |                              |  |  |  |  |  |  |  |  |  |
|--|-------------------------------------|------------------------------|--|--|--|--|--|--|--|--|--|
| Issues/Problems                                | Objectives                          | Strategies                   | Proposals/Policy Recommendation                |  |  |  |  |  |  |  |  |
| The Current Dry Waste is sent to Material      |                                     |                              |  |  |  |  |  |  |  |  |  |
| Recovery Facility but the existing facility is | Achieve 100% of Dry Waste           |                              |  |  |  |  |  |  |  |  |  |
| not sufficient to handle the waste which will  | Processing & Material Recovery      | To follow 4                  | Integrated Waste Management System is          |  |  |  |  |  |  |  |  |
| be generated in 2041                           |                                     | Rs,Reduce,Reuse,Recycle &    | proposed for the 100% processing of waste      |  |  |  |  |  |  |  |  |
| The Current Wet Waste is not fully treated     | 100% Composting of the Wet Waste    | Regenerate                   | and to provide 100 m buffer to the landfill to |  |  |  |  |  |  |  |  |
| and directly dumped to the Landfill and there  | & only the inert material (which in | 2.To Expand the Existing MRF | disconnect the landfill from adjacent          |  |  |  |  |  |  |  |  |
| by the leachate generated is directly wntering | non reactive in nature)should be    | Facility                     | properties                                     |  |  |  |  |  |  |  |  |
| into the soil therby polluting the Ground      | dumpes                              |                              |  |  |  |  |  |  |  |  |  |
| Water  | dumpes                              |                              |  |  |  |  |  |  |  |  |  |

#### **Swachh Bharat Mission:**

The objectives of the mission are mentioned below:

- All households and premises segregate their waste into Wet Waste (from kitchen and gardens) and Dry Waste (including paper, glass, plastic, and domestic hazardous waste and sanitary waste wrapped separately).
- 100% door to door collection of segregated waste from each household/ premise.

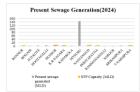
- 100% scientific management of all fractions of waste, including safe disposal in scientific landfills.
- All legacy dumpsites remediated and converted into green zone.
- All used water including fecal sludge, especially in smaller cities are safely contained, transported, processed and disposed so that no untreated fecal sludge and used water pollutes the ground or water bodies.

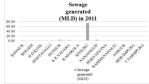
## **3. Sewage Treatment Plant:**

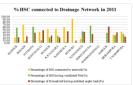
## (a) Analysis:

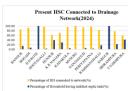
|        | SEW          | AGE GENERATE      | ED IN 2011                         |                              |
|--------|--------------|-------------------|------------------------------------|------------------------------|
| Sl.No. | ULB's        | No. of Households | Population<br>(As per 2011 Census) | Sewage<br>generated<br>(MLD) |
| 1      | BANNUR       | 5,186             | 21,896                             | 1.75                         |
| 2      | BOGADI       | 2,282             | 9,041                              | 0.72                         |
| 3      | H D KOTE     | 3,336             | 14,313                             | 1.15                         |
| 4      | HOOTAGALLI   | 4,936             | 18,308                             | 1.46                         |
| 5      | HUNSUR       | 11,793            | 50,865                             | 4.07                         |
| 6      | K R NAGARA   | 8,643             | 35,805                             | 2.86                         |
| 7      | KADAKOLA     | 1,426             | 6,436                              | 0.51                         |
| 8      | MYSURU       | 1,15,061          | 9,20,550                           | 73.64                        |
| 9      | NANJANGUD    | 12,137            | 50,598                             | 4.05                         |
| 10     | PERIYAPATNA  | 4,031             | 16,685                             | 1.33                         |
| 11     | RAMMANAHALLI | 0                 | 0                                  | 0.00                         |
| 12     | SARGUR       | 2,703             | 11,425                             | 0.91                         |
| 13     | SRIRAMPURA   | 2,787             | 11,234                             | 0.90                         |
| 14     | T NARSIPURA  | 2,534             | 9,980                              | 0.80                         |

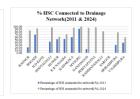
|              | PRESE                              | ENT SEWAGE GE                  | NERATION(                               | (2024)             |                            |
|--------------|------------------------------------|--------------------------------|---|--------------------|----------------------------|
| ULB's        | Present<br>Populationas on<br>2024 | No of Households as<br>on 2024 | Present<br>sewage<br>generated<br>(MLD) | STP Capacity (MLD) | Capacity<br>Utilization(%) |
| BANNUR       | 27,117                             | 6,310                          | 2.17                                    | 5                  | 43.4                       |
| BOGADI       | 30,984                             | 7,746                          | 2.42                                    | No STP             |                            |
| H D KOTE     | 18,381                             | 5,557                          | 2.86                                    | No STP             |                            |
| HOOTAGALLI   | 60,000                             | 12,684                         | 4.8                                     | No STP             |                            |
| HUNSUR       | 60,458                             | 12,732                         | 6.97                                    | 8.1                | 86.04                      |
| K R NAGARA   | 39,886                             | 11,224                         | 4.86                                    | 6                  | 81                         |
| KADAKOLA     | 22,664                             | 5,676                          | 1.81                                    | No STP             |                            |
| MYSURU       | 9,85,940                           | 1,72,783                       | 145                                     | 157.65(3 No)       | 91.97                      |
| NANJANGUD    | 52,284                             | 13,274                         | 4.18                                    | 7.62               | 54.85                      |
| PERIYAPATNA  | 21,427                             | 5,085                          | 2.7                                     | 5                  | 54.2                       |
| RAMMANAHALLI | 27,560                             | 6,756                          | 2.2                                     | No STP             |                            |
| SARGUR       | 12,560                             | 3,385                          | 1.46                                    | No STP             |                            |
| SRIRAMPURA   | 33,801                             | 8,047                          | 2.7                                     | No STP             |                            |
| T NARSIPURA  | 12,816                             | 8,300                          | 4.29                                    | 5.5                | 78                         |



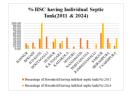






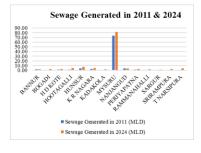


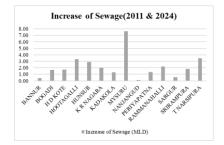
|        |              |                       | HOUSEI                         | HOLDS CON                            | NECTED TO DRAINA                            | GE NETWORK                          | (2011)  |  |   |
|--------|--------------|-----------------------|--------------------------------|--------------------------------------|---|-------------------------------------|---|--|---|
| Sl.No. | ULB's        | Population as on 2011 | No of Households as<br>on 2011 | No. of HH<br>connected to<br>network | Percentage of HH<br>connected to network(%) | No. of HH having<br>ventilated Pits | Percentage of HH having<br>ventilated Pits(%) | No. of Household<br>having indidual<br>septic tank | Percentage of<br>Household having<br>indidual septic<br>tank(%) |
| 1      | BANNUR       | 21,896                | 5,186                          | 1,080                                | 20.83                                       | 3,009                               | 58.02   | 1,097  | 21.15   |
| 2      | BOGADI       | 9,041                 | 2,282                          | 1,586                                | 69.50                                       | 133                                 | 5.83  | 563  | 24.67   |
| 3      | H D KOTE     | 14,313                | 3,336                          | 0                                    | 0.00  | 2,039                               | 61.12   | 1,297  | 38.88   |
| 4      | HOOTAGALLI   | 18,308                | 4,936                          | 2,123                                | 43.01                                       | 445                                 | 9.02  | 2,368  | 47.97   |
| 5      | HUNSUR       | 50,865                | 11,793                         | 6,150                                | 52.15                                       | 2,384                               | 20.22   | 3,259  | 27.64   |
| 6      | K R NAGARA   | 35,805                | 8,643                          | 4,601                                | 53.23                                       | 2,262                               | 26.17   | 1,780  | 20.59   |
| 7      | KADAKOLA     | 6,436                 | 1,426                          | 852                                  | 59.75                                       | 58                                  | 4.07  | 632  | 44.32   |
| 8      | MYSURU       | 9,20,550              | 1,15,061                       | 1,05,286                             | 91.50                                       | 517                                 | 0.45  | 9,258  | 8.05  |
| 9      | NANJANGUD    | 50,598                | 12,137                         | 1,727                                | 14.23                                       | 5,324                               | 43.87   | 5,086  | 41.90   |
| 10     | PERIYAPATNA  | 16,685                | 4,031                          | 22                                   | 0.55  | 2,652                               | 65.79   | 1,357  | 33.66   |
| 11     | RAMMANAHALLI | 0                     | 0                              | 0                                    | 0   | 0                                   | 0   | 0  | 0   |
| 12     | SARGUR       | 11,425                | 2,703                          | 0                                    | 0.00  | 1,039                               | 38.44   | 1,664  | 61.56   |
| 13     | SRIRAMPURA   | 11,234                | 2,787                          | 862                                  | 30.93                                       | 799                                 | 28.67   | 1,126  | 40.40   |
| 14     | T NARSIPURA  | 9,980                 | 2,534                          | 1.080                                | 42.62                                       | 850                                 | 33.54   | 604  | 23,84   |

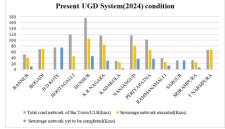


|        | PRESENT HOUSEHOLDS CONNECTED TO DRAINAGE NETWORK(2024) |                                    |                                |                                      |  |  |  |   |  |  |  |
|--------|--|------------------------------------|--------------------------------|--------------------------------------|--|--|--|---|--|--|--|
| Sl.No. | ULB's  | Present<br>Populationas on<br>2024 | No of Households as<br>on 2024 | No. of HH<br>connected to<br>network | Percentage of HH<br>connected to<br>network(%) | No. of HH<br>made and not<br>connected to<br>network | No. of Household having indidual septic tank | Percentage of<br>Household having<br>indidual septic<br>tank(%) |  |  |  |
| 1      | BANNUR   | 27,117                             | 6,310                          | 5,410                                | 85.74  | 900  | 900  | 14.26   |  |  |  |
| 2      | BOGADI   | 30,984                             | 7,746                          | 7,216                                | 93.16  | 530  | 530  | 6.84  |  |  |  |
| 3      | H D KOTE   | 18,381                             | 5,557                          | 0                                    | 0.00   | 5,557  | 5,557  | 100.00  |  |  |  |
| 4      | HOOTAGALLI   | 60,000                             | 12,684                         | 12,324                               | 97.16  | 360  | 360  | 2.84  |  |  |  |
| 5      | HUNSUR   | 60,458                             | 12,732                         | 7,800                                | 61.26  | 4,932  | 4,932  | 38.74   |  |  |  |
| 6      | K R NAGARA   | 39,886                             | 11,224                         | 7,931                                | 70.66  | 3,293  | 3,293  | 29.34   |  |  |  |
| 7      | KADAKOLA   | 22,664                             | 5,676                          | 5,429                                | 95.65  | 247  | 247  | 4.35  |  |  |  |
| 8      | MYSURU   | 9,85,940                           | 1,72,783                       | 1,72,783                             | 100.00   | 0  | 0  | 0.00  |  |  |  |
| 9      | NANJANGUD  | 52,284                             | 10,300                         | 9,745                                | 94.61  | 555  | 555  | 5.39  |  |  |  |
| 10     | PERIYAPATNA  | 21,427                             | 5,085                          | 4,950                                | 97.35  | 135  | 135  | 2.65  |  |  |  |
| 11     | RAMMANAHALLI   | 27,560                             | 6,756                          | 5,562                                | 82.33  | 1,194  | 1,194  | 17.67   |  |  |  |
| 12     | SARGUR   | 12,560                             | 3,385                          | 0                                    | 0.00   | 3,385  | 3,385  | 100.00  |  |  |  |
| 13     | SRIRAMPURA   | 33,801                             | 8,047                          | 6,258                                | 77.77  | 1,789  | 1,789  | 22.23   |  |  |  |
| 14     | T NARSIPURA  | 12,816                             | 8,300                          | 4,860                                | 58.55  | 3,440  | 3,440  | 41.45   |  |  |  |

| HOUSEHOLDS CONNECTED TO DRAINAGE NETWORK(2011 & 2024) |   |  |   |  |  |  |  |
|---|---|--|---|--|--|--|--|
|   | 2   | 011  | 2024  |  |  |  |  |
| ULB's   | Percentage of HH<br>connected to<br>network(%) 2011 | Percentage of<br>Household having<br>indidual septic<br>tank(%) 2011 | Percentage of<br>HH connected<br>to<br>network(%)<br>2024 | Percentage of<br>Household having<br>indidual septic<br>tank(%) 2024 |  |  |  |
| BANNUR  | 20.83   | 21.15  | 85.74   | 14.26  |  |  |  |
| BOGADI  | 69.50   | 24.67  | 93.16   | 6.84   |  |  |  |
| H D KOTE  | 0.00  | 38.88  | 0.00  | 100.00   |  |  |  |
| HOOTAGALLI  | 43.01   | 47.97  | 97.16   | 2.84   |  |  |  |
| HUNSUR  | 52.15   | 27.64  | 61.26   | 38.74  |  |  |  |
| K R NAGARA  | 53.23   | 20.59  | 70.66   | 29.34  |  |  |  |
| KADAKOLA  | 59.75   | 44.32  | 95.65   | 4.35   |  |  |  |
| MYSURU  | 91.50   | 8.05   | 100.00  | 0.00   |  |  |  |
| NANJANGUD   | 14.23   | 41.90  | 94.61   | 5.39   |  |  |  |
| PERIYAPATNA   | 0.55  | 33.66  | 97.35   | 2.65   |  |  |  |
| RAMMANAHALLI  | 0   | 0  | 82.33   | 17.67  |  |  |  |
| SARGUR  | 0.00  | 61.56  | 0.00  | 100.00   |  |  |  |
| SRIRAMPURA  | 30.93   | 40.40  | 77.77   | 22.23  |  |  |  |
| T NARSIPURA   | 38.67   | 11.68  | 58.55   | 41.45  |  |  |  |







| SEV          | SEWAGE GENERATED IN 2011 & 2024   |                                      |                             |  |  |  |  |  |
|--------------|-----------------------------------|--------------------------------------|-----------------------------|--|--|--|--|--|
| ULB Name     | Sewage Generated<br>in 2011 (MLD) | Sewage<br>Generated in<br>2024 (MLD) | Increase of Sewage<br>(MLD) |  |  |  |  |  |
| BANNUR       | 1.75                              | 2.17                                 | 0.42                        |  |  |  |  |  |
| BOGADI       | 0.72                              | 2.42                                 | 1.70                        |  |  |  |  |  |
| H D KOTE     | 1.15                              | 2.86                                 | 1.71                        |  |  |  |  |  |
| HOOTAGALLI   | 1.46                              | 4.8                                  | 3.34                        |  |  |  |  |  |
| HUNSUR       | 4.07                              | 6.97                                 | 2.90                        |  |  |  |  |  |
| K R NAGARA   | 2.86                              | 4.86                                 | 2.00                        |  |  |  |  |  |
| KADAKOLA     | 0.51                              | 1.81                                 | 1.30                        |  |  |  |  |  |
| MYSURU       | 73.64                             | 81.29                                | 7.65                        |  |  |  |  |  |
| NANJANGUD    | 4.05                              | 4.18                                 | 0.13                        |  |  |  |  |  |
| PERIYAPATNA  | 1.33                              | 2.7                                  | 1.37                        |  |  |  |  |  |
| RAMMANAHALLI | 0.00                              | 2.2                                  | 2.20                        |  |  |  |  |  |
| SARGUR       | 0.91                              | 1.46                                 | 0.55                        |  |  |  |  |  |
| SRIRAMPURA   | 0.90                              | 2.7                                  | 1.80                        |  |  |  |  |  |
| T NARSIPURA  | 0.80                              | 4.29                                 | 3.49                        |  |  |  |  |  |

|        | PRESENT UNDERGROUND DRAINAGE SYSTEM |                                    |                                |   |                                   |   |  |  |  |  |  |
|--------|-------------------------------------|------------------------------------|--------------------------------|---|-----------------------------------|---|--|--|--|--|--|
| SI No. | ULB's                               | Present<br>Populationas on<br>2024 | No of Households as<br>on 2024 | Total road<br>network of the<br>Town/ULB(kms) | Sewerage network<br>executed(Kms) | Sewerage network<br>yet to be<br>completed(Kms) |  |  |  |  |  |
| 1      | BANNUR                              | 27,117                             | 6,310                          | 51  | 40                                | 11  |  |  |  |  |  |
| 2      | BOGADI                              | 30,984                             | 7,746                          | 70  | 70                                | 0   |  |  |  |  |  |
| 3      | H D KOTE                            | 18,381                             | 5,557                          | 74.6  | 0                                 | 74.6  |  |  |  |  |  |
| 4      | HOOTAGALLI                          | 60,000                             | 12,684                         | 120   | 45.05                             | 0   |  |  |  |  |  |
| 5      | HUNSUR                              | 60,458                             | 12,732                         | 175   | 105                               | 46.3  |  |  |  |  |  |
| 6      | K R NAGARA                          | 39,886                             | 11,224                         | 115   | 85                                | 30  |  |  |  |  |  |
| 7      | KADAKOLA                            | 22,664                             | 5,676                          | 29.2  | 25                                | 4.2   |  |  |  |  |  |
| 8      | MYSURU                              | 9,85,940                           | 1,72,783                       | 1,762   | 1,762                             | 0   |  |  |  |  |  |
| 9      | NANJANGUD                           | 52,284                             | 10,300                         | 116   | 80                                | 36  |  |  |  |  |  |
| 10     | PERIYAPATNA                         | 21,427                             | 5,085                          | 102.51  | 66.02                             | 36.49   |  |  |  |  |  |
| 11     | RAMMANAHALLI                        | 27,560                             | 6,756                          | 39  | 26                                | 13  |  |  |  |  |  |
| 12     | SARGUR                              | 12,560                             | 3,385                          | 31  | 0                                 | 31  |  |  |  |  |  |
| 13     | SRIRAMPURA                          | 33,801                             | 8,047                          | 32  | 25                                | 7   |  |  |  |  |  |
| 14     | T NARSIPURA                         | 12,816                             | 8,300                          | 67  | 67                                | 0   |  |  |  |  |  |

- There is no working underground drainage system in H D Kote & Sargur
- The system of soak pits and septic tanks are used for the disposal of sewage in the city.
- In H D Kote, the sewage from the city is collected through open drains, Septic Tanks and let into Nalas which is eventually joining Kabini River
- In Sargur, the sewage from the city is collected through open drains, Septic Tanks and let into Nalas which is eventually joining Nagu River Downstream.
- Bogadi, Srirampura, Kadakola, Ramanahalli, Hootagalli doesn't have STP hence the Sewage is treated by Mysore's 3 STPs

|              |                               |                                   | SE                             | WAGE GENERATION IN           | 2041                         |                 |   |   |
|--------------|-------------------------------|-----------------------------------|--------------------------------|------------------------------|------------------------------|-----------------|---|---|
| ULB Name     | Projected<br>Population(2041) | Total No. of<br>Habitations(2041) | Water requirement<br>MLD(2041) | Sewage Generated(80% of MLD) | Present STP<br>Capacity(MLD) | Shortage<br>MLD | Proposed STP<br>Capacity(MLD)   | Area Required(1<br>MLD require 0.5<br>acre) |
| BANNUR       | 46,800                        | 11,143                            | 6.32                           | 6.00                         | 5                            | -1.00           | Install capacity 2.00 MLD<br>1)2 MLD SBR STP  | 1   |
| H D KOTE     | 30,200                        | 7,190                             | 4.08                           | 3.87                         | No STP                       | (-3.87)         | Install capacity 4.00 MLD<br>1)4 MLD SBR STP  | 2   |
| HUNSUR       | 1,04,000                      | 24,762                            | 14.04                          | 13.34                        | 8                            | -5.34           | Install capacity 8.00 MLD<br>1)8 MLD SBR STP  | 4   |
| K R NAGARA   | 66,000                        | 15,714                            | 8.91                           | 8.46                         | 5.79                         | -2.67           | Install capacity 4 MLD  1) Kantenahalli - 2 MLD - SBR STP  2) Madhuvinahalli - 2 MLD - SBR STP  STP | 2   |
| MYSURU       | 13,04,437                     | 3,10,580                          | 283.50                         | 269.33                       |                              |                 | Install capacity 130 MLD  | 1)12.5                                      |
| HOOTAGALLI   | 39,000                        | 9,286                             | 5.27                           | 5.00                         |                              |                 | 1) Chikanahally - 25 MLD - SBR<br>STP   | 2)27.5                                      |
| KADAKOLA     | 17,500                        | 4,167                             | 2.36                           | 2.24                         | 157.65                       |                 | 2) Madapura -55 MLD - SBR STP<br>3)Kesare New -20 MLD-SBR STP<br>4)Vidyaranyapuram New-30 MLD-      | 3)10  |
| SRIRAMPURA   | 23,400                        | 5,571                             | 3.16                           | 3.00                         | 1                            |                 | SBR STP   | 4)15  |
| RAMMANAHALLI | 34,010                        | 8,098                             | 4.59                           | 4.36                         | ]                            |                 |   | 7.  |
| BOGADI       | 19,500                        | 4,643                             | 2.63                           | 2.50                         |                              |                 |   | 65 Acres                                    |
| NANJANGUD    | 1,01,000                      | 24,048                            | 14.85                          | 14.11                        | 7.03                         | -7.08           | Install capacity 8 MLD<br>1)8 MLD SBR STP   | 4   |
| PERIYAPATNA  | 35,400                        | 8,429                             | 4.78                           | 4.54                         | 4.2                          | -0.34           | Install capacity 2 MLD<br>1)2 MLD SBR STP   | 1   |
| SARGUR       | 23,800                        | 5,667                             | 3.21                           | 3.05                         | No STP                       | (-3.05)         | Install capacity 4 MLD<br>1)4 MLD SBR STP   | 2   |
| T NARSIPURA  | 20,500                        | 4,881                             | 2.77                           | 2.63                         | 5.5                          | 2.87            | Install capacity 1 MLD<br>1)4 MLD SBR STP   | 1   |

|              | SEWER LINES TO BI                          | E COMPLETED FOR                | R 2041                                       |
|--------------|--|--------------------------------|--|
| ULB's        | Total road network of the<br>Town/ULB(kms) | Sewerage network executed(Kms) | Sewerage network yet to<br>be completed(Kms) |
| BANNUR       | 51   | 40                             | 11   |
| BOGADI       | 70   | 63                             | 7  |
| H D KOTE     | 74.6                                       | 0                              | 74.6   |
| HOOTAGALLI   | 120  | 95.05                          | 24.95  |
| HUNSUR       | 175  | 105                            | 46.3   |
| K R NAGARA   | 115  | 85                             | 30   |
| KADAKOLA     | 29.2                                       | 25                             | 4.2  |
| MYSURU       | 1,762                                      | 1,742                          | 20   |
| NANJANGUD    | 116  | 80                             | 36   |
| PERIYAPATNA  | 102.51                                     | 66.02                          | 36.49  |
| RAMMANAHALLI | 39   | 26                             | 13   |
| SARGUR       | 31   | 0                              | 31   |
| SRIRAMPURA   | 32   | 25                             | 7  |
| T NARSIPURA  | 67   | 60                             | 7  |

|  | Sewage Generation                 |   |  |  |  |  |  |  |  |
|--|-----------------------------------|---|--|--|--|--|--|--|--|
| Issues/Problems  | Objectives                        | Strategies  | Proposals/Policy<br>Recommendation   |  |  |  |  |  |  |
| There is no Under<br>Ground Drainage<br>System in Sargur and<br>H D Kote, also the<br>remaining sewer lines<br>must be completed | To provide UGD to keep sanitation | To provide the UGD<br>System to Sargur & H D<br>Kote as the sewage is<br>polluting the<br>neighbouring water<br>body            | Completing the<br>Construction of Sewage<br>will kep the sanitation of<br>the ULBs   |  |  |  |  |  |  |
| There is no Sewage Treatment Plant in Sargur and H D Kote, also there will be shortage of Capacity of Existing STP Facility      | To provide STP                    | To provide Sewage<br>Treatment Plant in<br>Sargur and H D<br>Kote, also to increase the<br>Capacity of Existing<br>STP Facility | Constructing the STP in<br>Sargur & H D Kote and<br>also increasing the<br>capacity of the existing<br>STP Capacity for 2041 |  |  |  |  |  |  |

|                             | Existing STPs in Mysuru               |   |   |  |  |  |  |  |  |
|-----------------------------|---------------------------------------|---|---|--|--|--|--|--|--|
| STPs                        | Rayankere (District<br>A & D)         | Vidyaranyapuram(<br>District B)               | Kesare((District C)                       |  |  |  |  |  |  |
| Location                    | Near Rayanakere on<br>Manandwadi road | At Vidyaranya puram<br>inside the sewage farm | At Kesare, side of the<br>outer ring road |  |  |  |  |  |  |
| Wet Wells                   | 1.STP Campus<br>2.Beside D            | 1. J.P. Nagar<br>2. STP campus                | Hebbal     Siddiquinagar     STP campus   |  |  |  |  |  |  |
| Total area covered          | 48.44 Sqkm                            | 27.21Sqkm                                     | 24.56Sqkm                                 |  |  |  |  |  |  |
| Total capacity              | 60MLD                                 | 67.65MLD                                      | 30MLD                                     |  |  |  |  |  |  |
| Total length of sewer lines | 167.45Kms                             | 64.54Kms                                      | 122.65Kms                                 |  |  |  |  |  |  |

| Sewage Generation in Mysore  |   |   |   |  |  |  |  |  |  |
|--|---|---|---|--|--|--|--|--|--|
| Issues/Problems  | Objectives  | Strategies  | Proposals/Policy Recommendation   |  |  |  |  |  |  |
| 1.There are several missing links at each district and 30 MLD is discharged on land, in low lying areas, which joins water bodies. ,, 2.The total length of missing sewer line is 20 km. | Completition of Sewer lines<br>and Construction of STP to<br>treat the Sewage Water | 1.Existing STPs are extended to handle the estimated Sewage in 2041.      2.Additional 2 STPs are proposed to cover the missing links | 1.To construct the STP for the drainage district E.Under the Urban Renewal Project for Mysore City Corporation 2.The drainage district E covers the areas coming under MCC wards no"s 55 and 56, part of the MUDA layouts like Alanahalli, Sathagalli, Yaraganahalli and the areas all along the TN pura road and Bannur road.  3.The catchment drains towards south east.Two locations are found suitable for location of new STP"s they are Chikanahally & Madapura  4.Approximate area covering under this drainage district is 6.06 sq km and is proposed to be located at outer ring road junction on Bannur road. |  |  |  |  |  |  |

#### **SBR Reactor:**

The Sequencing Batch Reactor is a type of activated sludge process for wastewater treatment where the processes occur in a single tank in sequential steps.

How It Works:

SBR operates in cycles, with each cycle consisting of five stages:

- 1.Fill: Wastewater enters the reactor.
- 2.React (Aeration): Air is supplied to promote microbial activity that breaks down organic matter.
- 3. Settle: Aeration stops, and solids settle at the bottom of the tank.
- 4.Decant: The treated water (supernatant) is removed. 5.Idle: The reactor prepares for the next cycle.

Applications:

SBR is used for municipal and industrial wastewater treatment, particularly where flow rates or loadings vary.

## 4. Water Supply:

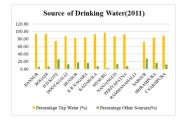
## (a) Analysis:

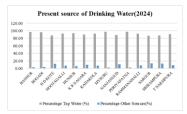
- River Kaveri is the main source of drinking water supply.
- Almost all the towns depend directly on river (direct pumping, infiltration galleries, shallow wells in the river bed etc) during low flow season, the water supply is supplemented by groundwater.
- The Kaveri water quality is classified as Category "C" Drinking water source after conventional treatment and disinfection in the upstream of town where the intake is situated.
- However, in the down steam, due to discharges from various industries and sewage from different areas of Mysore, the water quality on the downstream side is poor.

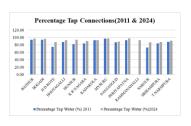
|              | SOURCE OF DRINKING WATER(2011) |                       |                |                             |                       |                                |  |  |  |  |  |
|--------------|--------------------------------|-----------------------|----------------|-----------------------------|-----------------------|--------------------------------|--|--|--|--|--|
| ULB's        | Population(2011 CENSUS)        | No of HH(2011 CENSUS) | From Tap Water | Percentage Tap<br>Water (%) | From Other<br>Sources | Percentage Other<br>Sources(%) |  |  |  |  |  |
| BANNUR       | 21,896                         | 5,186                 | 4,869          | 93.89                       | 317                   | 6.11                           |  |  |  |  |  |
| BOGADI       | 9,041                          | 2,282                 | 2,135          | 93.56                       | 147                   | 6.44                           |  |  |  |  |  |
| H D KOTE     | 14,313                         | 3,336                 | 2,484          | 74.46                       | 852                   | 25.54                          |  |  |  |  |  |
| HOOTAGALLI   | 18,308                         | 4,936                 | 4,325          | 87.62                       | 611                   | 12.38                          |  |  |  |  |  |
| HUNSUR       | 50,865                         | 11,793                | 9,704          | 82.29                       | 2,089                 | 17.71                          |  |  |  |  |  |
| K R NAGARA   | 35,805                         | 8,643                 | 7,241          | 83.78                       | 1,402                 | 16.22                          |  |  |  |  |  |
| KADAKOLA     | 6,436                          | 1,426                 | 1,323          | 92.78                       | 103                   | 7.22                           |  |  |  |  |  |
| MYSURU       | 9,20,550                       | 1,15,061              | 1,11,253       | 96.69                       | 3,808                 | 3.31                           |  |  |  |  |  |
| NANJANGUD    | 50,598                         | 12,137                | 10,526         | 86.73                       | 1,611                 | 13.27                          |  |  |  |  |  |
| PERIYAPATNA  | 16,685                         | 4,031                 | 3,742          | 92.83                       | 289                   | 7.17                           |  |  |  |  |  |
| RAMMANAHALLI | UN INHABITATED                 | UN INHABITATED        | UN INHABITATED | 0.00                        | UN INHABITATED        | 0.00                           |  |  |  |  |  |
| SARGUR       | 11,425                         | 2,703                 | 1,963          | 72.62                       | 740                   | 27.38                          |  |  |  |  |  |
| SRIRAMPURA   | 11,234                         | 2,787                 | 2,335          | 83.78                       | 452                   | 16.22                          |  |  |  |  |  |
| T NARSIPURA  | 9,980                          | 2,534                 | 2,232          | 88.08                       | 302                   | 11.92                          |  |  |  |  |  |

| WATER STORAGE AND CAPACITY IN 2011 |                       |                         |                        |                         |  |  |  |  |  |
|------------------------------------|-----------------------|-------------------------|------------------------|-------------------------|--|--|--|--|--|
| ULB's                              | System of Storage     | Capacity in Kilo litres | System of Storage      | Capacity in Kilo litres |  |  |  |  |  |
| BANNUR                             | Over Head Tank(OHT) 1 | 600                     | OHT 2                  | 550                     |  |  |  |  |  |
| BOGADI                             | OHT 1                 | 2,200                   | Bore Well Pumping(BWP) | 1400                    |  |  |  |  |  |
| H D KOTE                           | OHT 1                 | 1,000                   | BWP                    | 750                     |  |  |  |  |  |
| HOOTAGALLI                         | OHT 1                 | 1,600                   | OHT 2                  | 1,200                   |  |  |  |  |  |
| HUNSUR                             | OHT 1                 | 9,281                   | OHT 2                  | 682                     |  |  |  |  |  |
| K R NAGARA                         | OHT 1                 | 1,500                   | OHT 2                  | 750                     |  |  |  |  |  |
| KADAKOLA                           | OHT 1                 | 650                     | OHT 2                  | 570                     |  |  |  |  |  |
| MYSURU                             | OHT 1                 | 90,000                  | OHT 2                  | 50,000                  |  |  |  |  |  |
| NANJANGUD                          | OHT 1                 | 4,000                   | BWP                    | 2,500                   |  |  |  |  |  |
| PERIYAPATNA                        | OHT 1                 | 1,059                   | OHT 2                  | 472                     |  |  |  |  |  |
| RAMMANAHALLI                       | UN INHABITATED        | UN INHABITATED          | UN INHABITATED         | UN INHABITATED          |  |  |  |  |  |
| SARGUR                             | OHT 1                 | 600                     | BWP                    | 150                     |  |  |  |  |  |
| SRIRAMPURA                         | OHT 1                 | 1,300                   | BWP                    | 700                     |  |  |  |  |  |
| T NARSIPURA                        | OHT 1                 | 2,300                   | OHT 2                  | 900                     |  |  |  |  |  |

|       | SOURCE OF DRINKING WATER(2024) |                          |                   |                             |                       |                                |  |  |  |  |  |  |
|-------|--------------------------------|--------------------------|-------------------|-----------------------------|-----------------------|--------------------------------|--|--|--|--|--|--|
| Sl No | ULB's                          | Present Households(2024) | From Tap<br>Water | Percentage Tap<br>Water (%) | From Other<br>Sources | Percentage Other<br>Sources(%) |  |  |  |  |  |  |
| 1     | BANNUR                         | 6,310                    | 6,112             | 96.86                       | 198                   | 3.14                           |  |  |  |  |  |  |
| 2     | BOGADI                         | 7,746                    | 7,435             | 95.99                       | 311                   | 4.01                           |  |  |  |  |  |  |
| 3     | H D KOTE                       | 5,557                    | 4,858             | 87.42                       | 699                   | 12.58                          |  |  |  |  |  |  |
| 4     | HOOTAGALLI                     | 12,684                   | 11,725            | 92.44                       | 959                   | 7.56                           |  |  |  |  |  |  |
| 5     | HUNSUR                         | 12,732                   | 11,956            | 93.91                       | 776                   | 6.09                           |  |  |  |  |  |  |
| 6     | K R NAGARA                     | 11,224                   | 10,141            | 90.35                       | 1,083                 | 9.65                           |  |  |  |  |  |  |
| 7     | KADAKOLA                       | 5,676                    | 5,258             | 92.64                       | 418                   | 7.36                           |  |  |  |  |  |  |
| 8     | MYSURU                         | 1,72,783                 | 1,68,785          | 97.69                       | 3,998                 | 2.31                           |  |  |  |  |  |  |
| 9     | NANJANGUD                      | 13,274                   | 11,809            | 88.96                       | 1,465                 | 11.04                          |  |  |  |  |  |  |
| 10    | PERIYAPATNA                    | 5,085                    | 4,947             | 97.29                       | 138                   | 2.71                           |  |  |  |  |  |  |
| 11    | RAMMANAHALLI                   | 6,756                    | 6,234             | 92.27                       | 522                   | 7.73                           |  |  |  |  |  |  |
| 12    | SARGUR                         | 3,385                    | 2,935             | 86.71                       | 450                   | 13.29                          |  |  |  |  |  |  |
| 13    | SRIRAMPURA                     | 8,047                    | 7,025             | 87.30                       | 1,022                 | 12.70                          |  |  |  |  |  |  |
| 14    | T NARSIPURA                    | 8,300                    | 7,585             | 91.39                       | 715                   | 8.61                           |  |  |  |  |  |  |



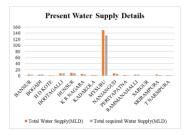


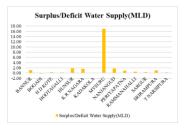


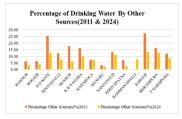
|        | SOURCE OF DRINKING WATER(2011 & 2024) |                                  |                                    |                                 |                                    |  |  |  |  |  |  |
|--------|---------------------------------------|----------------------------------|------------------------------------|---------------------------------|------------------------------------|--|--|--|--|--|--|
|        |                                       | 2                                | 2011                               | 2                               | 2024                               |  |  |  |  |  |  |
| Sl.No. | ULB's                                 | Percentage Tap Water<br>(%) 2011 | Percentage Other<br>Sources(%)2011 | Percentage Tap<br>Water (%)2024 | Percentage Other<br>Sources(%)2024 |  |  |  |  |  |  |
| 1      | BANNUR                                | 93.89                            | 6.11                               | 96.86                           | 3.14                               |  |  |  |  |  |  |
| 2      | BOGADI                                | 93.56                            | 6.44                               | 95.99                           | 4.01                               |  |  |  |  |  |  |
| 3      | H D KOTE                              | 74.46                            | 25.54                              | 87.42                           | 12.58                              |  |  |  |  |  |  |
| 4      | HOOTAGALLI                            | 87.62                            | 12.38                              | 92.44                           | 7.56                               |  |  |  |  |  |  |
| 5      | HUNSUR                                | 82.29                            | 17.71                              | 93.91                           | 6.09                               |  |  |  |  |  |  |
| 6      | K R NAGARA                            | 83.78                            | 16.22                              | 90.35                           | 9.65                               |  |  |  |  |  |  |
| 7      | KADAKOLA                              | 92.78                            | 7.22                               | 92.64                           | 7.36                               |  |  |  |  |  |  |
| 8      | MYSURU                                | 96.69                            | 3.31                               | 97.69                           | 2.31                               |  |  |  |  |  |  |
| 9      | NANJANGUD                             | 86.73                            | 13.27                              | 88.96                           | 11.04                              |  |  |  |  |  |  |
| 10     | PERIYAPATNA                           | 92.83                            | 7.17                               | 97.29                           | 2.71                               |  |  |  |  |  |  |
| 11     | RAMMANAHALLI                          | UN INHABITATED                   | UN INHABITATED                     | 92.27                           | 7.73                               |  |  |  |  |  |  |
| 12     | SARGUR                                | 72.62                            | 27.38                              | 86.71                           | 13.29                              |  |  |  |  |  |  |
| 13     | SRIRAMPURA                            | 83.78                            | 16.22                              | 87.30                           | 12.70                              |  |  |  |  |  |  |
| 14     | T NARSIPURA                           | 88.08                            | 11.92                              | 91.39                           | 8.61                               |  |  |  |  |  |  |

|       | PRESENT WATER SUPPLY DETAILS(2024) |                          |                          |                                |                                  |                            |  |   |  |  |  |  |
|-------|------------------------------------|--------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------|--|---|--|--|--|--|
| Sl No | ULB's                              | Present Households(2024) | Present Population(2024) | Source of Water                | Per Capita Water<br>Supply(LPCD) | Total Water<br>Supply(MLD) | Total required<br>Water<br>Supply(MLD) | Surplus/Deficit<br>Water<br>Supply(MLD) |  |  |  |  |
| 1     | BANNUR                             | 6,310                    | 27,117                   | Kaveri River                   | 125                              | 4.5                        | 3.39                                   | 1.11                                    |  |  |  |  |
| 2     | BOGADI                             | 7,746                    | 30,984                   | Kaveri River                   | 90                               | 4                          | 2.79                                   | 1.21                                    |  |  |  |  |
| 3     | H D KOTE                           | 5,557                    | 18,381                   | Kabini Reservoir               | 90                               | 2                          | 1.65                                   | 0.35                                    |  |  |  |  |
| 4     | HOOTAGALLI                         | 12,684                   | 60,000                   | Kaveri River                   | 135                              | 8.34                       | 8.10                                   | 0.24                                    |  |  |  |  |
| 5     | HUNSUR                             | 12,732                   | 60,458                   | Kaveri River and local sources | 135                              | 10                         | 8.16                                   | 1.84                                    |  |  |  |  |
| 6     | K R NAGARA                         | 11,224                   | 39,886                   | Kaveri River and Borewells     | 110                              | 6                          | 4.39                                   | 1.61                                    |  |  |  |  |
| 7     | KADAKOLA                           | 5,676                    | 22,664                   | Kaveri River                   | 125                              | 2.84                       | 2.83                                   | 0.01                                    |  |  |  |  |
| 8     | MYSURU                             | 1,72,783                 | 9,85,940                 | Kaveri River                   | 135                              | 150                        | 133.10                                 | 16.90                                   |  |  |  |  |
| 9     | NANJANGUD                          | 13,274                   | 52,284                   | Kabini Reservoir               | 125                              | 8.24                       | 6.54                                   | 1.70                                    |  |  |  |  |
| 10    | PERIYAPATNA                        | 5,085                    | 21,427                   | Kaveri River and Borewells     | 70                               | 2.39                       | 1.50                                   | 0.89                                    |  |  |  |  |
| 11    | RAMMANAHALLI                       | 6,756                    | 27,560                   | Kaveri River                   | 125                              | 4                          | 3.45                                   | 0.56                                    |  |  |  |  |
| 12    | SARGUR                             | 3,385                    | 12,560                   | Kabini Reservoir               | 70                               | 1.24                       | 0.88                                   | 0.36                                    |  |  |  |  |
| 13    | SRIRAMPURA                         | 8,047                    | 33,801                   | Kaveri River and local sources | 95                               | 4.2                        | 3.21                                   | 0.99                                    |  |  |  |  |
| 14    | T NARSIPURA                        | 8,300                    | 12,816                   | Kaveri River                   | 135                              | 2                          | 1.73                                   | 0.27                                    |  |  |  |  |

|     | PRESENT STATUS OF WATER SUPPLY IN ULBs |                                |                           |                        |       |                |  |  |  |  |  |
|-----|--|--------------------------------|---------------------------|------------------------|-------|----------------|--|--|--|--|--|
| Sl  | Name of ULB                            | Source of Water                | Reservoir sufficiency (12 | Status of Water Supply |       |                |  |  |  |  |  |
| No. | Name of OLD                            | Source of water                | months)                   | Total No. of wards     | Daily | Alternate Days |  |  |  |  |  |
| 1   | BANNUR                                 | Kaveri River                   | 12                        | 23                     | 13    | 10             |  |  |  |  |  |
| 2   | BOGADI                                 | Kaveri River                   | 12                        | 21                     | 0     | 15             |  |  |  |  |  |
| 3   | H D KOTE                               | Kabini Reservoir               | 12                        | 23                     | 15    | 8              |  |  |  |  |  |
| 4   | HOOTAGALLI                             | Kaveri River                   | 12                        | 31                     | 23    | 8              |  |  |  |  |  |
| 5   | HUNSUR                                 | Kaveri River and local sources | 12                        | 31                     | 0     | 31             |  |  |  |  |  |
| 6   | K R NAGARA                             | Kaveri River and Borewells     | 12                        | 23                     | 0     | 21             |  |  |  |  |  |
| 7   | KADAKOLA                               | Kaveri River                   | 12                        | 20                     | 15    | 5              |  |  |  |  |  |
| 8   | MYSURU                                 | Kaveri River                   | 12                        | 65                     | 65    | 0              |  |  |  |  |  |
| 9   | NANJANGUD                              | Kabini Reservoir               | 12                        | 31                     | 22    | 9              |  |  |  |  |  |
| 10  | PERIYAPATNA                            | Kaveri River and Borewells     | 12                        | 23                     | 8     | 15             |  |  |  |  |  |
| 11  | RAMMANAHALLI                           | Kaveri River                   | 12                        | 19                     | 8     | 11             |  |  |  |  |  |
| 12  | SARGUR                                 | Kabini Reservoir               | 12                        | 12                     | 0     | 12             |  |  |  |  |  |
| 13  | SRIRAMPURA                             | Kaveri River and local sources | 12                        | 18                     | 12    | 6              |  |  |  |  |  |
| 14  | T NARSIPURA                            | Kaveri River                   | 12                        | 23                     | 12    | 11             |  |  |  |  |  |







#### **Water Supply Schemes:**

## **1.Jaladhare Program:** To provide surface water-based drinking solutions.

- Multi-village water supply schemes (MVS) sourcing water from rivers and reservoirs, like the Kaveri River, treating it, and delivering it to multiple villages.
- SVS (Single Village Scheme): Designed for villages with sufficient local water resources.
   Provides piped water supply to individual households within a single village.

#### **2.Urban Water Treatment Plants:**

- Mysore city has water treatment plants at Belagola, Melapura, and Hongalli that manage raw water from the Kaveri River.
- These plants ensure treated water meets safety standards for drinking, even amidst seasonal variations in water quality

#### 3.Jal Jeevan Mission:

 Integrated with rural areas, this mission aims for 100% household tap connections, prioritizing safe and piped water for drinking.

|              | WATER SUPPLY IN 2041          |                                       |                                      |                          |                                   |                                   |                                       |                      |  |  |
|--------------|-------------------------------|---------------------------------------|--------------------------------------|--------------------------|-----------------------------------|-----------------------------------|---------------------------------------|----------------------|--|--|
| ULB Name     | Projected<br>Population(2041) | Total No. of<br>Habitations<br>(2041) | Existing Per<br>Capita<br>LPCD(2024) | Per Capita<br>LPCD(2041) | Source of Water                   | Water<br>requirement<br>MLD(2041) | Availability of<br>water<br>MLD(2041) | Surplus<br>MLD(2041) |  |  |
| BANNUR       | 46,800                        | 11,143                                | 125                                  | 135                      | Kaveri River                      | 6.32                              | 7                                     | 0.68                 |  |  |
| BOGADI       | 19,500                        | 4,643                                 | 90                                   | 135                      | Kaveri River                      | 2.63                              | 6                                     | 3.37                 |  |  |
| H D KOTE     | 30,200                        | 7,190                                 | 90                                   | 135                      | Kabini Reservoir                  | 4.08                              | 10                                    | 5.92                 |  |  |
| HOOTAGALLI   | 39,000                        | 9,286                                 | 135                                  | 135                      | Kaveri River                      | 5.27                              | 9                                     | 3.74                 |  |  |
| HUNSUR       | 1,04,000                      | 24,762                                | 135                                  | 135                      | Kaveri River and local sources    | 14.04                             | 18                                    | 3.96                 |  |  |
| K R NAGARA   | 66,000                        | 15,714                                | 110                                  | 135                      | Kaveri River and<br>Borewells     | 8.91                              | 10                                    | 1.09                 |  |  |
| KADAKOLA     | 17,500                        | 4,167                                 | 125                                  | 135                      | Kaveri River                      | 2.36                              | 6                                     | 3.64                 |  |  |
| MYSURU       | 13,04,437                     | 3,10,580                              | 135                                  | 135                      | Kaveri River                      | 283.50                            | 351.66                                | 68.16                |  |  |
| NANJANGUD    | 1,01,000                      | 24,048                                | 125                                  | 135                      | Kabini Reservoir                  | 14.85                             | 14.96                                 | 0.11                 |  |  |
| PERIYAPATNA  | 35,400                        | 8,429                                 | 70                                   | 135                      | Kaveri River and<br>Borewells     | 4.78                              | 8                                     | 3.22                 |  |  |
| RAMMANAHALLI | 34,010                        | 8,098                                 | 125                                  | 135                      | Kaveri River                      | 4.59                              | 7                                     | 2.41                 |  |  |
| SARGUR       | 23,800                        | 5,667                                 | 70                                   | 135                      | Kabini Reservoir                  | 3.21                              | 5                                     | 1.79                 |  |  |
| SRIRAMPURA   | 23,400                        | 5,571                                 | 95                                   | 135                      | Kaveri River and<br>local sources | 3.16                              | 4                                     | 0.84                 |  |  |
| T NARSIPURA  | 20,500                        | 4,881                                 | 135                                  | 135                      | Kaveri River                      | 2.77                              | 5                                     | 2.23                 |  |  |

|                                       | Wate  | r Supply              |   |  |  |
|---------------------------------------|---|-----------------------|---|--|--|
| Issues/Problems                       | Objectives  | Strategies            | Proposals/Policy<br>Recommendation  |  |  |
| Improper frequency of<br>Water Supply | To provide water on all the days<br>with adequate LPCD of water<br>according to URDPFI Guidelines | Supply Schemes in the | To implement the Rainwater<br>Harvesting System mandatorily for<br>HHIG, HIG & MIG Houses |  |  |

|                  | WATER SUPPLY SCHEMES IN MYSORE |   |                      |   |                    |  |   |                    |                 |  |
|------------------|--------------------------------|---|----------------------|---|--------------------|--|---|--------------------|-----------------|--|
| Water<br>Schemes |                                | Belagola  |                      |   | Hongally           |  | Melapura  |                    |                 |  |
| Location         | 1                              | Near Belagola village   |                      | Near Hongally village   |                    |  | Near  | Mealapura vi       | llage           |  |
| Intake           |                                | nal from Krishnarajasa<br>ated at MC road Betwe<br>and Palahalli. | Right bank low<br>Ca | level canal fro<br>auvery River.  | m KRS and          | Cauvery River just downstream of<br>Srirangapatana |   |                    |                 |  |
|                  |                                | 52.24 MLD   |                      |   | 90.87 MLD          |  | 100MLD  |                    |                 |  |
|                  | Phase                          | Year of commission  | Capacity in MLD      | Phase   | Year of commission | Capacity in<br>MLD                                 | Phase   | Year of commission | Capacity in MLD |  |
| Capacity         | First phase                    | 1896  | 4.55                 | First phase   | 1959               | 36.32  | First phase   | 2002               | 50              |  |
|                  | Second phase                   | 1924  | 11.37                | Second phase  | 1979               | 54.55  | Second phase  | 2006               | 50              |  |
|                  | Third phase                    | 1998  | 36.32                |   |                    |  |   |                    |                 |  |
| Treatment        |                                | r from Devaraya irriga<br>nped to Vanivilasa tre:                 |                      | The treatment works are located adjacent to<br>the intake and the treated water is pumped to<br>the ground level reservoirs |                    |  | The treatment works are located at Rammanahalli village of Mysore taluk and treated water is pumped to the Devanoor and Germen press ground level service reserviors in Mysore. |                    |                 |  |

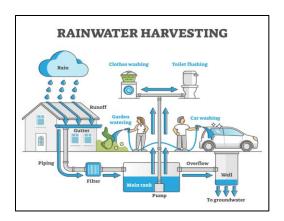
| OTI | HER WATER SUPP                  | LYSOURCES  |
|-----|---------------------------------|------------|
| 1   | Bore wells fitted with<br>Power | 4.55 MLD   |
|     | Pumps 651no'sX850X4             |            |
| 2   | Kabini Phase I                  | 54 MLD     |
|     | Total                           | 351.66 MLD |

| E   | xisting Master Balaı                           | ncing rese | ervoirs in N               | <b>Iysore City</b>         |
|-----|--|------------|----------------------------|----------------------------|
| No  | Balancing<br>Reservoirs                        | Туре       | Capacity in Million Liters | Source of supply           |
| 1   | High level reservoir in<br>Yadavgiri Reservoir | GLSR       | 22.73                      | Hongally 2nd Stage         |
| 2   | Central Service Reservoir<br>in Vijay Nagar    | GLSR       | 54.55                      | Hongally 3rd Stage         |
| 3 4 | German Press Reservoir Near Teresian college   | GLSR       | 16.87                      | Melapura Phase I<br>and II |
| 5   | Kuvempu nagar Reservoir                        | GLSR       | 11.37                      | Hongally 3rd Stage         |
| 6   | Devnur Reservoir                               | GLSR       | 11.37                      | Melapura Phase I<br>and II |
| 7   | Vanivilasa Reservoir                           | GLSR       | 9.09                       | Belagola                   |

|    | Water Supply Available in Mysore for 2041 |            |                 |                                  |                              |  |  |  |  |  |
|----|---|------------|-----------------|----------------------------------|------------------------------|--|--|--|--|--|
| No | Year                                      | Population | Demand<br>(MLD) | Total quantum<br>available (MLD) | Excess<br>available<br>(MLD) |  |  |  |  |  |
| 1  | 2011                                      | 9,20,550   | 166.89          | 247.66                           | 80.77                        |  |  |  |  |  |
| 2  | 2021                                      | 10,38,469  | 203.38          | 351.66                           | 148.28                       |  |  |  |  |  |
| 3  | 2031                                      | 11,71,453  | 256.16          | 351.66                           | 95.5                         |  |  |  |  |  |
| 4  | 2041                                      | 13,04,437  | 283.5           | 351.66                           | 68.16                        |  |  |  |  |  |

## **Rain Water Harvesting:**

- Due to Climate Change, there will be severe impact in the water supply in the future, as it dependent on the Rainfall hence we need to collect the rain water.
- The Rainwater Harvesting System should be introduced in addition to the Water Supply Schemes in the ULBs
- By implement the Rainwater Harvesting System mandatorily for HHIG, HIG & MIG
   Houses we can to some extent reduce the reliance on water supply by the Corporation



# **5.Street Lights:**

# (a) Analysis:

|       | Current Street Light Conditions in the ULBs(2024) |                    |                |              |                     |                       |                  |  |  |  |
|-------|---|--------------------|----------------|--------------|---------------------|-----------------------|------------------|--|--|--|
| SL NO | ULB's   | Non-Working Lights | Working Lights | Total Lights | Pole With No Lights | <b>Total Quantity</b> | Switching Points |  |  |  |
| 1     | BANNUR  | 61                 | 1469           | 1530         | 231                 | 1761                  | 72               |  |  |  |
| 2     | H D KOTE  | 41                 | 1266           | 1307         | 594                 | 1901                  | 55               |  |  |  |
| 3     | HUNSUR  | 424                | 2767           | 3191         | 1347                | 4538                  | 137              |  |  |  |
| 4     | K R NAGARA  | 93                 | 3575           | 3668         | 681                 | 4349                  | 177              |  |  |  |
| 5     | NANJANGUD   | 150                | 2601           | 2751         | 748                 | 3499                  | 155              |  |  |  |
| 6     | PERIYAPATNA                                       | 71                 | 1761           | 1832         | 771                 | 2603                  | 75               |  |  |  |
| 7     | SARGUR  | 84                 | 928            | 1012         | 360                 | 1372                  | 26               |  |  |  |
| 8     | T NARSIPURA                                       | 50                 | 2375           | 2425         | 819                 | 3244                  | 133              |  |  |  |
|       | MYSURU  |                    |                |              |                     |                       |                  |  |  |  |
|       | BOGADI  |                    |                |              |                     |                       |                  |  |  |  |
| 9     | HOOTAGALLI  | 2.026              | 52 202         | 56.210       | 21.711              | 01.000                | 2.752            |  |  |  |
| 9     | KADAKOLA  | 2,836              | 53,382         | 56,218       | 21,711              | 81,889                | 2,752            |  |  |  |
|       | RAMMANAHALLI                                      |                    |                |              |                     |                       |                  |  |  |  |
|       | SRIRAMPURA  |                    |                |              |                     |                       |                  |  |  |  |

| Type of Light in Mysore Taluk     |                   |  |  |  |  |  |  |  |
|-----------------------------------|-------------------|--|--|--|--|--|--|--|
| Type of Light                     | % of Total Lights |  |  |  |  |  |  |  |
| CFL Lights                        | 2.05              |  |  |  |  |  |  |  |
| High Pressure Sodium Vapour(HPSV) | 48.12             |  |  |  |  |  |  |  |
| Metal Halide(MH)                  | 1.3               |  |  |  |  |  |  |  |
| Fluorescent Tube Light(FTL)       | 32.68             |  |  |  |  |  |  |  |
| LED                               | 15.85             |  |  |  |  |  |  |  |

## **Present Street Light Location using GIS**









Periyapatna

Nanjangud

T N Pura

Bannur









Hunsur

K R Nagara

Sargur

H D Kote

- Electricity Consumption in all the ULBs is 43.11 MU for the Street Lights.
- 30.68 Crores is the energy Cost of all the ULBs for the Street Lights.

# **Existing Infrastructure Deficiencies:**

| WEIGHTAGES FOR INFRASTRUCTURE |                    |                              |               |  |  |  |  |  |
|-------------------------------|--------------------|------------------------------|---------------|--|--|--|--|--|
|                               | Variables          | Indicators                   | Weightages(W) |  |  |  |  |  |
|                               |                    | Pre-Primary School           | 1             |  |  |  |  |  |
|                               | Education          | Primary School               | 2             |  |  |  |  |  |
|                               | Education          | Middle School                | 3             |  |  |  |  |  |
| SOCIAL                        |                    | Secondary School             | 4             |  |  |  |  |  |
| INFRASTRUCTURE                |                    | Dispensary                   | 1             |  |  |  |  |  |
|                               | Health             | Primary Health Sub Centre    | 2             |  |  |  |  |  |
|                               | Health             | Primary Health Centre        | 4             |  |  |  |  |  |
|                               |                    | Community Health Centre      | 6             |  |  |  |  |  |
|                               |                    | ODR                          | 2             |  |  |  |  |  |
|                               | Transportation     | MDR                          | 4             |  |  |  |  |  |
|                               | Transportation     | SH                           | 8             |  |  |  |  |  |
| PHYSICAL                      |                    | NH                           | 12            |  |  |  |  |  |
| INFRASTRUCTURE                |                    | Hand Pump                    | 1             |  |  |  |  |  |
|                               | Water Supply       | Other Source                 | 2             |  |  |  |  |  |
|                               | water Suppry       | Tube Wells/Borewells         | 3             |  |  |  |  |  |
|                               |                    | Tap Water                    | 4             |  |  |  |  |  |
|                               | Bank               | Co-operative/Commercial Bank | 4             |  |  |  |  |  |
| ECONOMIC                      | Balik              | ATM                          | 2             |  |  |  |  |  |
| INFRASTRUCTURE                |                    | Sub Post Office              | 1             |  |  |  |  |  |
| ENFRASIRUCTURE                | Tele Communication | Post Office                  | 2             |  |  |  |  |  |
|                               |                    | Post & Telegraph Office      | 4             |  |  |  |  |  |

| INFRASTRUCTURE SHORTAGE IN ULBs |   |                |              |                  |                                       |  |  |  |
|---------------------------------|---|----------------|--------------|------------------|---------------------------------------|--|--|--|
| ULBs                            | TRANSPORTA<br>TION(Un<br>Metalled Road) | TION(Un SWM ST |              | UGD(Present/Not) | WATER<br>SUPPLY(LPCD<br>Water Supply) | STREET<br>LIGHTS(Pole<br>with No Street<br>Lights) |  |  |
| BANNUR (TMC)                    | 8.75                                    | SWM PRESENT    | 5            | UGD PRESENT      | 125                                   | 231  |  |  |
| H D KOTE (TMC)                  | 15.35                                   | SWM PRESENT    | No STP       | NO UGD           | 90                                    | 594  |  |  |
| HUNSUR (CMC)                    | 41.18                                   | SWM PRESENT    | 8.1          | UGD PRESENT      | 135                                   | 1347   |  |  |
| K R NAGARA (TMC)                | 38.83                                   | SWM PRESENT    | 6            | UGD PRESENT      | 110                                   | 681  |  |  |
| NANJANAGUDU (CMC)               | 36.56                                   | SWM PRESENT    | 7.62         | UGD PRESENT      | 125                                   | 748  |  |  |
| PIRIYAPATNA (TMC)               | 6.34                                    | SWM PRESENT    | 5            | UGD PRESENT      | 70                                    | 771  |  |  |
| SARAGUR (TP)                    | 6.5                                     | NO SWM         | No STP       | NO UGD           | 70                                    | 360  |  |  |
| T NARSIPUR (TMC)                | 7.8                                     | SWM PRESENT    | 5.5          | UGD PRESENT      | 135                                   | 819  |  |  |
| BHOGADI (TP)                    | 15                                      | NO SWM         | No STP       | UGD PRESENT      | 90                                    |  |  |  |
| HUTAGALLI (CMC)                 | 25.6                                    | NO SWM         | No STP       | UGD PRESENT      | 135                                   |  |  |  |
| KADAKOLA (TP)                   | 8.44                                    | NO SWM         | No STP       | UGD PRESENT      | 125                                   | 21.711   |  |  |
| MYSORE (M CORP. + OG) 33.65     |   | SWM PRESENT    | 157.65(3 No) | UGD PRESENT      | 135                                   | 21,/11   |  |  |
| RAMMANAHALLI(TP)                | 7.42                                    | SWM PRESENT    | No STP       | UGD PRESENT      | 125                                   |  |  |  |
| SRIRAMPURA (TP)                 | 8.35                                    | NO SWM         | No STP       | UGD PRESENT      | 95                                    |  |  |  |

|                       |                         |                  |             |             |  | WEIGH  | HTAGES                                      | GIVE  | N TO THE  | INFRAST           | RUCTURE F                   | ACILITIES | PRESENT                 | IN EACH U | LBs                      |                         |                          |                             |  |          |      |                    |
|-----------------------|-------------------------|------------------|-------------|-------------|--|--------|---|-------|-----------|-------------------|-----------------------------|-----------|-------------------------|-----------|--------------------------|-------------------------|--------------------------|-----------------------------|--|----------|------|--------------------|
|                       |                         | 1                | EDUCATION   |             | H  | EALTH  |   |       | WAT       | ER SUPPI          | LY .                        | TELE      | COMMUNI                 | CATION    |                          | TRANSPO                 | RTATION                  |                             | BANK   |          |      |                    |
| ULBs                  | Pre<br>Primary<br>(W=1) | Primary<br>(W=2) | Middle(W=3) | Secondary(W | Community<br>Health Centre<br>(CHC)(W=6) | Health | Primary<br>Health<br>Sub<br>Centre<br>(W=2) | Water | Well(W=2) | Handpump(<br>W=1) | Tube well/Bore<br>well(W=3) |           | Sub Post<br>Office(W=1) |           | Connected to<br>NH(W=12) | Connected to<br>SH(W=8) | Connected to<br>MDR(W=4) | Connected<br>to<br>ODR(W=2) | Commercial<br>& Co-<br>operative<br>Banks(W=4) | ATM(W=2) | Sum  | Weighte<br>d Score |
| BANNUR (TMC)          | 15                      | 38               | 54          | 40          | 12                                       | 20     | 8   | 4     | 2         | 1                 | 3                           | 2         | 1                       | 4         | 24                       | 24                      | 44                       | 126                         | 12   | 2        | 436  | 0.64343            |
| BHOGADI (TP)          | 5                       | 10               | 27          | 32          | 0  | 4      | 2   | 4     | 2         | 1                 | 3                           | 2         | 1                       | 4         | 12                       | 8                       | 4                        | 2                           | 4  | 2        | 129  | 0.19037            |
| H D KOTE (TMC)        | 15                      | 108              | 27          | 24          | 24                                       | 36     | 12  | 4     | 2         | 1                 | 3                           | 2         | 1                       | 4         | 0                        | 16                      | 16                       | 70                          | 8  | 2        | 375  | 0.45341            |
| HUTAGALLI (CMC)       | 3                       | 8                | 24          | 24          | 0  | 0      | 0   | 4     | 2         | 1                 | 3                           | 2         | 1                       | 4         | 12                       | 8                       | 4                        | 2                           | 4  | 2        | 108  | 0.15938            |
| HUNSUR (CMC)          | 15                      | 50               | 60          | 36          | 30                                       | 36     | 12  | 4     | 2         | 1                 | 3                           | 2         | 1                       | 4         | 12                       | 16                      | 0                        | 14                          | 8  | 2        | 308  | 0.59532            |
| K R NAGARA (TMC)      | 20                      | 54               | 69          | 28          | 24                                       | 20     | 12  | 4     | 2         | 1                 | 3                           | 2         | 1                       | 4         | 12                       | 8                       | 40                       | 56                          | 8  | 2        | 370  | 0.54603            |
| KADAKOLA (TP)         | 2                       | 10               | 6           | 12          | 0  | 4      | 6   | 4     | 2         | 1                 | 3                           | 2         | 1                       | 4         | 12                       | 8                       | 4                        | 2                           | 4  | 2        | 89   | 0.13134            |
| MYSORE (M CORP. + OG) | 30                      | 724              | 987         | 880         | 102                                      | 44     | 6   | 4     | 2         | 1                 | 3                           | 2         | 1                       | 4         | 36                       | 32                      | 60                       | 92                          | 40   | 2        | 3052 | 4.504              |
| NANJANAGUDU (CMC)     | 15                      | 66               | 87          | 64          | 42                                       | 20     | 4   | 4     | 2         | 1                 | 3                           | 2         | 1                       | 4         | 24                       | 16                      | 56                       | 304                         | 8  | 2        | 725  | 1.06992            |
| PIRIYAPATNA (TMC)     | 20                      | 26               | 45          | 36          | 12                                       | 20     | 8   | 4     | 2         | 1                 | 3                           | 2         | 1                       | 4         | 12                       | 8                       | 20                       | 14                          | 8  | 2        | 248  | 0.36599            |
| SARAGUR (TP)          | 0                       | 0                | 0           | 0           | 0  | 0      | 0   | 0     | 0         | 0                 | 0                           | 0         | 0                       | 0         | 0                        | 0                       | 0                        | 0                           | 8  | 2        | 10   | 0.01476            |
| SRIRAMPURA (TP)       | 4                       | 8                | 9           | 12          | 0  | 8      | 8   | 4     | 2         | 1                 | 3                           | 2         | 1                       | 4         | 12                       | 8                       | 4                        | 2                           | 4  | 2        | 98   | 0.14462            |
| T NARSIPUR (TMC)      | 15                      | 10               | 12          | 8           | 36                                       | 40     | 12  | 4     | 2         | 1                 | 3                           | 2         | 1                       | 4         | 24                       | 24                      | 44                       | 126                         | 8  | 2        | 378  | 0.55783            |

|  | Street Lights                     |  |   |  |  |  |  |  |  |  |  |
|--|-----------------------------------|--|---|--|--|--|--|--|--|--|--|
| Issues/Problems  | Objectives                        | Strategies   | Proposals/Policy Recommendation   |  |  |  |  |  |  |  |  |
| Some of the poles do not<br>have have the lights in<br>many ULBs | 100% Coverage of Street<br>Lights | To provide Street Light for every 50 m stretch of the Road | Replacing the Conventional Light with Smart Lighting System of<br>LEDs to reduce the electricity consumption & provide the Street<br>Light for every 50 m stretch of the road |  |  |  |  |  |  |  |  |

| <b>Y</b> 0.0          | ENERGY EFFICIENCY  If Conventional Lamps are provided for 2041  If Smart LED are provided for 2041  Energy Savings if LEDs are provided |                              |                  |                             |                              |                          |                           |  |  |
|-----------------------|---|------------------------------|------------------|-----------------------------|------------------------------|--------------------------|---------------------------|--|--|
| If Conv               | entional Lamps are prov   | vided for 2041               | 11 8             | mart LED are provide        | d for 2041                   | Energy Savings           | if LEDs are provided      |  |  |
| Conventional<br>Lamps | Energy<br>Consumed(KWh/day)   | Energy<br>Consumed(KWh/year) | Replacement      | Energy<br>Consumed(KWh/day) | Energy<br>Consumed(KWh/year) | Energy<br>Saved(KWh/day) | Energy<br>Saved(KWh/year) |  |  |
| 40 W CFL Lights       | 10,246.80   | 3740082                      | 28 W LED Lights  | 7,172.76                    | 26,18,057.40                 | 3,074.04                 | 11,22,024.60              |  |  |
| 250 W MH/HPSV         | 64,042.50   | 23375512.5                   | 100 W LED Lights | 25,617.00                   | 93,50,205.00                 | 38,425.50                | 1,40,25,307.50            |  |  |
| 400 W MH/HPSV         | 1,02,468.00   | 37400820                     | 150 W LED Lights | 38,425.50                   | 1,40,25,307.50               | 64,042.50                | 2,33,75,512.50            |  |  |

|       |              | PROPOSED ST              | REET LIGH                          | ITS  |   |
|-------|--------------|--------------------------|------------------------------------|--|---|
| SL NO | ULB's        | Total Road<br>Length(KM) | 2024 Poles<br>with Street<br>Light | 2041 Required<br>Poles with<br>Street Lights | Proposed Poles<br>with LED Street<br>Lights |
| 1     | BANNUR       | 51                       | 1,761                              | 2,550  | 789   |
| 2     | H D KOTE     | 70                       | 1,901                              | 3,500  | 1,599                                       |
| 3     | HUNSUR       | 175                      | 4,538                              | 8,750  | 4,212                                       |
| 4     | K R NAGARA   | 115                      | 4,349                              | 5,750  | 1,401                                       |
| 5     | NANJANGUD    | 116                      | 3,499                              | 5,800  | 2,301                                       |
| 6     | PERIYAPATNA  | 102.51                   | 2,603                              | 5,126  | 2,523                                       |
| 7     | SARGUR       | 31                       | 1,372                              | 1,550  | 178   |
| 8     | T NARSIPURA  | 67                       | 3,244                              | 3,350  | 106   |
| 9     | MYSURU       | 1,762                    | 81,889                             | 88,100                                       | 6,211                                       |
| 10    | BOGADI       | 70                       | 1,259                              | 3,500  | 2,241                                       |
| 11    | HOOTAGALLI   | 120                      | 3,535                              | 6,000  | 2,465                                       |
| 12    | KADAKOLA     | 29.2                     | 1,256                              | 1,460  | 204   |
| 13    | RAMMANAHALLI | 39                       | 1,028                              | 1,950  | 922   |
| 14    | SRIRAMPURA   | 32                       | 1,135                              | 1,600  | 465   |
| Total |              | 2779.71                  | 1,13,369                           | 1,38,986                                     | 25,617                                      |

#### **Smart Street Lighting System:**

A smart street lighting system is an advanced, automated lighting solution designed to improve the efficiency, functionality, and sustainability of traditional street lighting.

Key Features of a Smart Street Lighting System

- 1.Energy Efficiency: Utilizes energy-efficient LEDs and intelligent control to minimize electricity consumption.
- 2.Automation: Automatically adjusts brightness based on factors like traffic, motion, or ambient light.
- 3.Remote Monitoring and Control: Allows city operators to manage lights remotely through a centralized dashboard.
- 4.Real-Time Data Collection: Equipped with sensors to monitor light levels, weather conditions, and maintenance needs.
- 5.Adaptive Lighting: Lights can dim during low-traffic hours or brighten in areas with high activity.
- 6.Integration with Smart City Systems: Can be linked to systems like traffic management, surveillance, and environmental monitoring.

#### **RURBAN CLUSTER**

A 'Rurban cluster' is a cluster of geographically contiguous villages with a population of about 25000 to 50000 in plain and coastal areas and with a population of 5000 to 15000 in desert, hilly or tribal areas.

**Vision:** Development of a cluster of villages that preserve and nurture the essence of rural community life with focus on equity and inclusiveness without compromising with the facilities perceived to be essentially urban in nature, thus creating a cluster of Rurban Villages

#### **Preparation of Integrated Cluster Action Plan:**



#### **STEP 1: Selection of Cluster:**

- The cluster selection process is done by the Ministry and the State RD Departments.
- The Ministry identifies a set of potential locations (sub districts) for Rurban clusters.
- The State identified a set of contiguous villages around a growth centre within the sub district to form a Rurban cluster.

#### The selection of sub districts by the Ministry: By considering various parameters:

- 1. Decadal Growth in Rural Population. :35%
- 2. Decadal Growth in Non-Farm work participation :35%
- 3. Presence of Economic Clusters: 10%
- 4. Presence of places of Tourism and Religious significance :10%

5. Proximity to Transport Corridors:10%

#### The State Governments selects the clusters: By considering the following parameters:

- 1. Decadal growth in Rural Population.
- 2. Rise in Land Values.
- 3. Decadal growth in Non- Farm Work force participation.
- 4. Percentage Enrollment of girls in secondary schools.

| Parameters for the                                     | Selection of Sub District   |  |  |  |  |
|--|---|--|--|--|--|
| Decadal Growth in Rural Population                     | 14.48   |  |  |  |  |
| Decadal Growth in Non-Farm Work<br>Force Participation | 33.08   |  |  |  |  |
| Tourism & Piligrim Significance                        | Nagarhole,Sagarkatte View Point                                   |  |  |  |  |
| Presence of Economic Clusters                          | 34.68 Ha of Industial Area(73 Saw Mills)                          |  |  |  |  |
|  | National Highway 275 (NH 275): Connects<br>Bangalore to Mangalore |  |  |  |  |
| Proximity to Transport Corridor                        | SH 90:Connects Hunsur to Periyapatna                              |  |  |  |  |
|  | SH 88 A:Connects Hunsur and Hassan                                |  |  |  |  |

| Parameters for the Selection           | of the Cluster |
|--|----------------|
| Decadal Growth in Rural Population     | 14.48          |
| Rise in Land Values                    | Yes            |
| Decadal Growth in Non-Farm Work        | 33.08          |
| Force Participation                    | 33.08          |
| Percentage Enrollment of Girl Child in | 41.05%         |
| Secondary Schools                      | 41.03%         |

## **STEP 2: Delineation of Planning Area:**

#### 1. Delineation of Planning Area:

- The cluster boundary needs to be clearly delineated following the process specified in the respective State/UT statutes.
- The Planning area needs to be distinctively shown on the map with GIS co-ordinates on a scale of 1:8000
- Planning areas shall as far as possible include full plot Nos (Survey Nos).
- Two or more clusters may be combined into one Planning Area in consultation with the Planning Authorities in the State

### 2. Notification of Planning Area:

The declaration of the planning area shall be widely published in at least 2 local newspapers having wide circulation as well as by a public notice affixed at prominent places, Government offices, local authorities and public places situated within the Planning Arca.

This will be followed by initiation of the Spatial Planning Component of the ICAP. The process shall follow the planning norms as laid down in the State Town and Country Planning Acts

| RURBAN CLUSTER            | R(NEAR HUNSUR)     |
|---------------------------|--------------------|
| Details of Cluster        | As per 2011 Census |
| No of Grama Panchayath    | 5                  |
| No of Villages            | 8                  |
| Total Area in Ha          | 1289.41            |
| Total Population          | 29,521             |
| No of Households          | 6880               |
| Total Male Population     | 14,798             |
| Total Female Population   | 14,723             |
| SC Population             | 4443               |
| ST Population             | 3365               |
| Literacy Rate             | 63.02%             |
| Average Sex Ratio         | 976                |
| Decadal Growth Rate       | 14.48              |
| Distance from District HQ | Mysore(40 KM)      |
| Distance from Taluk HQ    | Hunsur(8 KM)       |

| WEIGHTAGES FOR INFRASTRUCTURE |                    |                              |               |  |  |  |  |  |  |
|-------------------------------|--------------------|------------------------------|---------------|--|--|--|--|--|--|
| Var                           | iables             | Indicators                   | Weightages(W) |  |  |  |  |  |  |
|                               |                    | Pre-Primary School           | 1             |  |  |  |  |  |  |
|                               | Education          | Primary School               | 2             |  |  |  |  |  |  |
|                               | Education          | Middle School                | 3             |  |  |  |  |  |  |
| SOCIAL                        |                    | Secondary School             | 4             |  |  |  |  |  |  |
| INFRASTRUCTURE                |                    | Dispensary                   | 1             |  |  |  |  |  |  |
|                               | Health             | Primary Health Sub Centre    | 2             |  |  |  |  |  |  |
|                               | Heatin             | Primary Health Centre        | 4             |  |  |  |  |  |  |
|                               |                    | Community Health Centre      | 6             |  |  |  |  |  |  |
|                               |                    | ODR                          | 2             |  |  |  |  |  |  |
|                               | Transportation     | MDR                          | 4             |  |  |  |  |  |  |
|                               | Transportation     | SH                           | 8             |  |  |  |  |  |  |
| PHYSICAL                      |                    | NH                           | 12            |  |  |  |  |  |  |
| INFRASTRUCTURE                |                    | Hand Pump                    | 1             |  |  |  |  |  |  |
|                               | Water Supply       | Other Source                 | 2             |  |  |  |  |  |  |
|                               | water suppry       | Tube Wells/Borewells         | 3             |  |  |  |  |  |  |
|                               |                    | Tap Water                    | 4             |  |  |  |  |  |  |
|                               | Bank               | Co-operative/Commercial Bank | 4             |  |  |  |  |  |  |
| ECONOMIC:                     | Dalik              | ATM                          | 2             |  |  |  |  |  |  |
| INFRASTRUCTURE                |                    | Sub Post Office              | 1             |  |  |  |  |  |  |
| INFRASIRUCTURE                | Tele Communication | Post Office                  | 2             |  |  |  |  |  |  |
|                               |                    | Post & Telegraph Office      | 4             |  |  |  |  |  |  |

|               |                         |                  |                 |   |  |        | WE                                       | GHTAGES           | GIVEN TO | THE INF           | RASTRUCTURE I              | FACILITIES          | S PRESENT               | IN EACH V | ILLAGE                   |                         |          |    |   |   |     |                   |
|---------------|-------------------------|------------------|-----------------|---|--|--------|--|-------------------|----------|-------------------|----------------------------|---------------------|-------------------------|-----------|--------------------------|-------------------------|----------|----|---|---|-----|-------------------|
|               |                         | EDUC             | ATION           |   | I  | TEALTH |  |                   | WATE     | R SUPPL           | Y                          | TELE (              | COMMUNIC                | CATION    |                          | TRANSPO                 | RTATION  |    | BANK  |   |     |                   |
| Name          | Pre<br>Primary(<br>W=1) | Primary(<br>W=2) | Middle(<br>W=3) |   | Community<br>Health Centre<br>(CHC)(W=6) |        | Primary<br>Health Sub<br>Centre<br>(W=2) | Tap<br>Water(W=4) |          | Handpump(<br>W=1) | Tubewell/Borewell(<br>W=3) | Post<br>Office(W=2) | Sub Post<br>Office(W=1) |           | Connected to<br>NH(W=12) | Connected to<br>SH(W=8) | MDR(W=4) | to | Commercial &<br>Co- operative<br>Banks(W=4) |   | Sum | Weighted<br>Score |
| ASPATHREKAVAL | 2                       | 6                | 3               | 4 | 6  | 4      | 2  | 4                 | 0        | 1                 | 3                          | 2                   | 1                       | 4         | 0                        | 8                       | 4        | 2  | 4   | 2 | 62  | 0.09              |
| BALLENAHALLI  | 2                       | 2                | 3               | 4 | 6  | 1      | 2  | 4                 | 2        | 1                 | 3                          | 2                   | 1                       | 4         | 0                        | 8                       | 4        | 2  | 4   | 2 | 56  | 0.11              |
| HANCHYA       | 2                       | 2                | 3               | 4 | 6  | 1      | 2  | 4                 | 0        | 1                 | 3                          | 2                   | 1                       | 4         | 12                       | 8                       | 4        | 2  | 4   | 2 | 54  | 0.10              |
| KOTTIGEKAVAL  | 2                       | 2                | 3               | 4 | 6  | 4      | 2  | 4                 | 0        | 1                 | 3                          | 2                   | 1                       | 4         | 0                        | 8                       | 4        | 2  | 4   | 2 | 56  | 0.11              |
| HOSAKOTE      | 2                       | 2                | 3               | 4 | 6  | 1      | 2  | 4                 | 2        | 1                 | 3                          | 2                   | 1                       | 4         | 0                        | 8                       | 4        | 2  | 4   | 2 | 56  | 0.11              |
| KUDLUR        | 2                       | 2                | 3               | 4 | 6  | 4      | 2  | 4                 | 0        | 1                 | 0                          | 2                   | 1                       | 4         | 0                        | 8                       | 4        | 2  | 4   | 2 | 60  | 0.13              |
| UDDURKAVAL    | 2                       | 4                | 3               | 4 | 6  | 4      | 2  | 4                 | 2        | 1                 | 3                          | 2                   | 1                       | 4         | 0                        | 8                       | 4        | 2  | 4   | 2 | 56  | 0.11              |
| UMMATHUR      | 2                       | - 8              | 3               | 4 | 6  | 4      | 2  | 4                 | 0        | 1                 | 3                          | 2                   | 1                       | 4         | 0                        | - 8                     | 4        | 2  | 4   | 2 | 58  | 0.12              |

|      |                  |               |                |                           |            |          |                          |                          |                        | DET/      | ILS OF CLI               | STER                       |                 |                   |                  |                        |                        |           |               |             |                     |                  |
|------|------------------|---------------|----------------|---------------------------|------------|----------|--------------------------|--------------------------|------------------------|-----------|--------------------------|----------------------------|-----------------|-------------------|------------------|------------------------|------------------------|-----------|---------------|-------------|---------------------|------------------|
| SL N | O Gram Panchayat | Village Name  | Nearest Town   | Area Under<br>Agriculture | Area in Ha | No of HH | 2011 Total<br>Population | 2001 Total<br>Population | Decadal Growth<br>Rate | Sex Ratio | Total Male<br>Population | Total Female<br>Population | Population(>60) | Population(15-59) | Population(0-15) | Total ST<br>Population | Total SC<br>Population | Literates | % of Literacy | Illiterates | % of<br>Illiterates | Total<br>Workers |
|      | Aspathrekaval    | Asputhrekaval | Hunsur (8 km)  | 1414.1                    | 1689.6     | 1566     | 6263                     | 5090                     | 3.4                    | 930       | 2623                     | 2640                       | 566             | 3132              | 2566             | 116                    | 1638                   | 3032      | 48.41         | 2231        | 51.59               | 2894             |
| 1    | Aspathrekavat    | Ballenahalli  | Hunsur (8 km)  | 235.25                    | 345.77     | 577      | 2307                     | 1160                     | 12.67                  | 950       | 1641                     | 1666                       | 174             | 1154              | 980              | 221                    | 497                    | 723       | 31.34         | 584         | 68.66               | 736              |
| -    | Govindanahalli   | Hanchya       | Hunsur (5 km)  | 148.6                     | 169.53     | 644      | 2576                     | 482                      | 19.5                   | 974       | 1305                     | 1271                       | 73              | 1288              | 1215             | 80                     | 0                      | 346       | 13.43         | 230         | 86.57               | 286              |
| -    | Govingananani    | Kottigekaval  | riunsur (3 km) | 15.63                     | 30.31      | 573      | 2292                     | 326                      | 10.43                  | 998       | 1147                     | 1145                       | 32              | 1146              | 1114             | 203                    | 0                      | 235       | 10.25         | 157         | 89.75               | 190              |
| -    | Heesanduru       | Hosakote      | Hunsur (7 km)  | 371.6                     | 408.44     | 431      | 1724                     | 604                      | 19.87                  | 991       | 1368                     | 1356                       | 58              | 862               | 804              | 48                     | 416                    | 467       | 27.09         | 257         | 72.91               | 384              |
| 3    | racgganauru      | Kudlur        | riumur (7 km)  | 380.8                     | 426.31     | 1658     | 6631                     | 763                      | 26.21                  | 979       | 1497                     | 1466                       | 68              | 3316              | 3248             | 3                      | 2                      | 3603      | 54.34         | 360         | 45.66               | 630              |
| 4    | Uddurkaval       | Uddurkaval    | Hunsur (8 km)  | 1414                      | 1614.05    | 491      | 1963                     | 4930                     | 14.22                  | 990       | 2830                     | 2801                       | 622             | 982               | 1210             | 357                    | 1423                   | 696       | 35.46         | 2335        | 64.54               | 2803             |
| 5    | Ummathur         | Ummathur      | Hunsur (7 km)  | 367.9                     | 424.35     | 1441     | 5765                     | 3654                     | 30.41                  | 996       | 2387                     | 2378                       | 709             | 2883              | 2174             | 2337                   | 467                    | 2495      | 43.28         | 2470        | 56.72               | 2177             |
|      |                  |               |                | 4147.98                   | 1299.41    | 6990     | 29 521                   | 17009                    | 14.49                  | 976       | 14.708                   | 14 771                     | 2302            | 1.4761            | 14403            | 1165                   | 4441                   | 11597     | 63.02         | 6154        | 14.99               | 10100            |

## **STEP 3: Cluster Profiling:**

The existing profile of the cluster needs to be detailed out at 2 levels

- (1) General Profile
- (2) Component Profiling

#### (1) General Profile:

Under the General Profiling the Demographic details of the GPs within the cluster, the socioeconomic profiling, cultural profiling and the administrative profiling of the GPs need to be done.

#### a. Demography:

This will enable planning and designing as per the demographic needs and trends for each of the components chosen for the cluster

#### b. Socio Economic& Cultural:

This will enable identification of the most appropriate needs for the cluster as well as understand the latent potential of the cluster, which can be further developed or given impetus under this Mission.

#### c. Administrative:

It is important to understand the administrative profile of the cluster for smooth implementation of the Mission and to enable setting up of the institutional frameworks at the block and cluster level.

#### (2) Component Profiling:

14 desirable components have been listed out as ideal components for the cluster, however giving flexibility to the States to decide other relevant components required to develop the cluster.

|   | DEM  | 10GRAPHI | C PROFI        | LE OF CLUS | TER     |        |         |
|---|--|----------|----------------|------------|---------|--------|---------|
|   | Details  | GP-1     | GP-1 GP-2 GP-3 |            | GP-4    | GP-5   | Total   |
| 1 | Total Population   | 8,570    | 4,868          | 8,355      | 1,963   | 5,765  | 29,521  |
| 2 | Decadal Growth Rate in Rural<br>Population(%)(2001-2011) | 8.03%    | 4.53%          | 23.04%     | 14.22%  | 30.04% | 14.48%  |
| 3 | Household Size   | 2,110    | 1,017          | 2,023      | 491     | 1,241  | 4434    |
| 3 | Household Size   | 4.06     | 4.79           | 4.13       | 4.00    | 4.65   | 4.68    |
| 4 | Sex Ratio  | 1023     | 937            | 953        | 990     | 996    | 976     |
|   | Age Profile  |          | •              |            |         | •      | •       |
| 5 | 0-15   | 2545     | 329            | 2178       | 210     | 1674   | 7809    |
| 3 | 16-59  | 3285     | 434            | 2228       | 482     | 2383   | 9761    |
|   | >60  | 740      | 105            | 126        | 622     | 709    | 2302    |
|   | Total Land Area  | 2035.37  | 199.84         | 834.75     | 1614.05 | 424.35 | 5108.36 |
| 6 | Under Agriculture  | 1649.35  | 164.23         | 752.4      | 1414    | 367.9  | 4347.88 |
|   | Under Forest   | 0        | 0              | 0          | 0       | 0      | 0       |

|   | SOCIAL PROFILE OF CLUSTER            |       |       |       |       |       |       |  |  |  |  |  |
|---|--------------------------------------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|
|   | Details                              | GP-1  | GP-2  | GP-3  | GP-4  | GP-5  | Total |  |  |  |  |  |
| 1 | Literacy Rate(Asper census 2011)     | 56.46 | 70.27 | 72.49 | 72.27 | 52.36 | 63.02 |  |  |  |  |  |
| 2 | SC Population                        | 2135  | 0     | 418   | 1423  | 467   | 4443  |  |  |  |  |  |
| 3 | ST Population                        | 337   | 283   | 51    | 357   | 2337  | 3365  |  |  |  |  |  |
|   | Education Levels                     |       |       |       |       |       |       |  |  |  |  |  |
|   | % with Higher Secondary and above    | 36.33 | 28.25 | 30.7  | 28.39 | 33.3  | 32.05 |  |  |  |  |  |
|   | % with Secondary Secondary and above | 21.35 | 42.1  | 25.1  | 21.4  | 22.4  | 26.95 |  |  |  |  |  |
| 5 | % with Primary Education and above   | 42.32 | 33.45 | 44.2  | 50.21 | 44.3  | 42.36 |  |  |  |  |  |
| 6 | % of Population-Disabled             | 2.1   | 0.5   | 1.1   | 0.75  | 0.3   | 0.94  |  |  |  |  |  |
| 7 | % of Single Women                    | 3.6   | 6.3   | 9.6   | 5.6   | 9.5   | 6.35  |  |  |  |  |  |

| ECONOMI  | C PROI | FILE OF | CLUSTE | R      |        |        |
|--|--------|---------|--------|--------|--------|--------|
| Details  | GP-1   | GP-2    | GP-3   | GP-4   | GP-5   | Total  |
| Occupational Structure   |        |         |        |        |        |        |
| Farm Work Force  | 4059   | 688     | 1174   | 2341   | 2356   | 10618  |
| Women as a % of Work Force   | 39.13% | 35.12%  | 29.50% | 39.95% | 37.50% | 36.24% |
| Occupation by Industry(Industry in which majority of the work force is engaged in) | 1181   | 107     | 609    | 1086   | 317    | 3300   |
| Average Distance to work place for majority of the work force in GP                | 10     | 12      | 12     | 10     | 15     | 12     |
| Any homebased or traditional Industry  | 190    | 25      | 30     | 51     | 152    | 448    |

| A | ADMINISTRATIVE PROFILE OF   | CLUSTER          |
|---|---|------------------|
|   | Details   | Total            |
| 1 | No of Grama Panchayath in cluster   | 5                |
| 2 | Name of Block Headquarter   | Hunsur           |
| 3 | Name of the BDO   | NA               |
| 4 | Distance of the Block Headquarter from the largest settlement in the cluster(in KM) | 8 km             |
|   | Agencies Providing Key services   |                  |
| 5 | Water Supply and Sanitation   | Grama Panchayath |
|   | Village streets and Drains  |                  |

# (2) Component Profiling:

| COMPONENT PROFILING |  |  |  |  |
|---------------------|--|--|--|--|
| Type of Amenity     | Component Details                      |  |  |  |
|                     | Sanitation                             |  |  |  |
|                     | Provision of Piped Water Supply        |  |  |  |
|                     | Solid & Liquid Waste Management        |  |  |  |
| Basic Amenities     | Village Streets and drains             |  |  |  |
|                     | Inter Village Connectivity             |  |  |  |
|                     | Public Transport                       |  |  |  |
|                     | LPG Gas Connections                    |  |  |  |
|                     | Fully Equipped Mobile Health Unit      |  |  |  |
| Social Amenities    | Upgrading School/Higher Education      |  |  |  |
|                     | Facilities                             |  |  |  |
|                     | Skill Development Training linked to   |  |  |  |
| Economic Amenities  | economic Activities                    |  |  |  |
| Economic Amendies   | Agro Processing, Agri-                 |  |  |  |
|                     | Services, Shortage and Warehousing     |  |  |  |
|                     | Digital Literacy                       |  |  |  |
| Digital Amonities   | Citizen Service Centers-For            |  |  |  |
| Digital Amenities   | Electronic Delivery of citizen centric |  |  |  |
|                     | services/E-Grama Connectivity          |  |  |  |

**STEP 4: SWOT Analysis & Vision:** 

|               | SWOT ANALYSIS  |  |  |  |  |  |
|---------------|--|--|--|--|--|--|
|               | 1.Location:  |  |  |  |  |  |
|               | ❖ It is situated along the Mysore-Hassan highway, providing                |  |  |  |  |  |
|               | connectivity to major cities like Mysore and Hassan                        |  |  |  |  |  |
|               | Proximity to Hunsur enhances its potential as a satellite town.            |  |  |  |  |  |
| STRENGTH      | 2.Agricultural Base:   |  |  |  |  |  |
|               | Fertile land supports agricultural activities, especially Ragi and tobacco |  |  |  |  |  |
|               | 1.Inadequate Infrastructure:   |  |  |  |  |  |
|               | Roads and public transport require improvements to meet growing            |  |  |  |  |  |
|               | demands.   |  |  |  |  |  |
| WEAKNESSES    | Limited healthcare facilities and specialized medical services.            |  |  |  |  |  |
|               | 2.Limited Industrial Development:  |  |  |  |  |  |
|               | Lack of industries and job opportunities in the town leads to              |  |  |  |  |  |
|               | migration to nearby cities.  |  |  |  |  |  |
|               | 1.Agro-Based Industries:   |  |  |  |  |  |
|               | Establishing food processing units and sugarcane mills & Tobacco can       |  |  |  |  |  |
| OPPORTUNITIES | boost local employment and economy.  |  |  |  |  |  |
|               | 2.Eco-Tourism and Cultural Promotion:                                      |  |  |  |  |  |
|               | Lakes and traditional rural settings can be promoted for eco-tourism.      |  |  |  |  |  |
|               | Potential to develop cultural and religious tourism.                       |  |  |  |  |  |
|               | 1.Economic Migration:  |  |  |  |  |  |
|               | Continued migration to urban areas may lead to a declining population      |  |  |  |  |  |
| THE ATO       | and reduced local workforce.   |  |  |  |  |  |
| THREATS       | 2.Lack of Skilled Workforce:   |  |  |  |  |  |
|               | Absence of vocational training centers hinders the development of a        |  |  |  |  |  |
|               | skilled labor force.   |  |  |  |  |  |

#### Vision:

The cluster is proposed to be an agrarian cluster which will promote Allied activities and Agro based industries within the cluster to increase the productivity, income and employment in the sector, also focusing on upgrading the existing basic amenities as per the Standards

## **STEP 5: Deficiency Analysis & Identification of Needs:**

The assessment will aim at understanding the reasons for the growth in the economy of the region, identify the key economic growth drivers, assess the basic strengths of the cluster and identify the opportunities for economic growth of the cluster.

| Economic Activities |  | A   | В  | C                | D                      |  |
|---------------------|--|---|--|------------------|------------------------|--|
|                     | Desirable<br>Component   | Desired Levels  | Existing Situation   | Deficit<br>(A-B) | Gaps Assuming<br>A=100 |  |
| 1                   | Skill Development<br>training Linked to<br>Economic Activities | one beneficiary in each household.                                      | Existing skills in the villages<br>(Handicraft/Handloom/Industrial etc)<br>No of skilled members at the HH<br>level<br>3,912 | 67.34%           | 2,986                  |  |
| 2                   | Agri-services and<br>Processing                                | 1 acre of organic farm per farmer<br>1 agri service industry per farmer | Detail the existing Agri services and processing industries present in the cluster.  | 60.11%           | 6,383                  |  |
|                     |  | 10,618  | 4,235  |                  |                        |  |

| Basic Amenities |                                   | A   | В  | С             | D                      |  |
|-----------------|-----------------------------------|---|--|---------------|------------------------|--|
|                 | Desirable<br>Component            | Desired Levels  | Existing Situation   | Deficit (A-B) | Gaps Assuming<br>A=100 |  |
| 1               | 24x7 Piped<br>Water<br>Supply     | 70 liters per capita per day (lpcd)<br>of safe drinking water for every<br>households throughout the year | Existing levels of water supply at the household level.  | 21.42%        | 15 LPCD                |  |
|                 |                                   | 70 LPCD   | 55 LPCD  |               |                        |  |
| 2               | Sanitation                        | 100% HH with Individual<br>Household Latrines   | Coverage of Individual Toilets in the villages at the household level                                  | 31.98%        | 1,418                  |  |
|                 |                                   | 6,880   | 5,462  |               |                        |  |
| 3               | Solid and Liquid Waste Management | Collection at HH level Treatment<br>at Cluster Level  | Existing arrangement for solid and liquid waste management at the Household/Village and Cluster level. | 7098%         | 3,148                  |  |
|                 |                                   | 6,880   | 3,732  |               |                        |  |
| 4               | Access to Village<br>Streets with | All village streets to be covered with drains   | Existing coverage of village streets and drains.   | 45%           | 43.26                  |  |
|                 | Drains                            | 95.52   | 52.26  |               |                        |  |
| 5               | Village Street<br>Lights          | All village streets to be covered with street lights as per norms   | Coverage of village streets with lights  | 54.17%        | 2,402                  |  |
|                 |                                   | 6,880   | 4,478  |               |                        |  |
| 6               | Inter village roads connectivity  | Ensure connectivity between all villages  | Connectivity between villages within the cluster with roads and public transport                       | 15%           | 15%                    |  |
|                 | Connectivity                      | 100%  | 85%  |               |                        |  |
| 7               | Public transport                  | Inter village connectivity with adequate frequency of public transport                                    | Existing levels of availability w.r.t Public Transport facilities both intra and inter village         | 0%            | 100%                   |  |
|                 |                                   | 8 Villages  | 8 Villages   |               |                        |  |
|                 | LPG                               | Access to LPG connections to all  | No of households with access to LPG  |               |                        |  |
| 8               | Gas                               | households  | gas connections  | 31.98%        | 1,418                  |  |
|                 | Connections                       | 6,880   | 5,462  |               |                        |  |

| Social Amenities |                            | A   |    | В                     | C             | D                         |
|------------------|----------------------------|---|----|-----------------------|---------------|---------------------------|
|                  | <b>Desirable Component</b> | Desired Levels                                      |    | Existing<br>Situation | Deficit (A-B) | Gaps<br>Assuming<br>A=100 |
|                  |                            | Sub Centers/Dispensaries(1 in 5,000<br>Population)  | 6  | 5                     | 25.00%        | 1                         |
| 1                | Health                     | Maternity Homes(1 in 15,000 Population)             | 2  | 2                     | 0             | 0                         |
|                  |                            | Primary Health Center((1 in 30,000<br>Population)   | 1  | 10                    | 0             | 0                         |
|                  |                            | Veternary Centers((1 in 5,000 Animal<br>Population) | 6  | 6                     | 0.00%         | 0                         |
|                  | Up gradation of primary,   | Anganwadi(1 in 1,000 Population)                    | 30 | 25                    | 25.00%        | 5                         |
| 2                | secondary and higher       | Primary School(1 in 5,000 Population)               | 6  | 14                    | 0.00%         | 0                         |
|                  | secondary schools          | Secondary School(1 in 7,500 Population)             | 4  | 8                     | 0%            | 0                         |

|   | Digital Amenities  Desirable Component |                         | A   | В                     | C                | D                         |
|---|--|-------------------------|---|-----------------------|------------------|---------------------------|
|   |  |                         | Desired Levels  | Existing<br>Situation | Deficit<br>(A-B) | Gaps<br>Assuming<br>A=100 |
|   | 1 Digital Literacy                     |                         | At least one e- literate person in every household.                       |                       | 27.49%           | 1,219                     |
| L |  |                         | 6,880   | 5,661                 |                  |                           |
|   | 2                                      | Citizen Service Centres | One ICT enabled front end Common Service Centre (CSC) per 2 to 3 villages | 50%                   | 50%              | 50%                       |

## **STEP 6: Prioritization of Needs:**

| Ba | sic Amenities                            | Score-D             |             |                   | XXI-1-1-4-1            |
|----|--|---------------------|-------------|-------------------|------------------------|
|    | Desirable<br>Component                   | Gaps Assuming A=100 | Weightage X | Overall Weightage | Weighted<br>Score= X*D |
| 1  | 24x7 Piped Water<br>Supply               | 21.42%              | 25%         |                   | 9%                     |
| 2  | Sanitation                               | 31.98%              | 20%         |                   | 3%                     |
| 3  | Solid and Liquid<br>Waste Management     | 70.98%              | 15%         |                   | 5%                     |
| 4  | Access to Village<br>Streets with Drains | 45%                 | 15%         |                   | 3%                     |
| 5  | viriage Street                           | 54.17%              | 10%         | 35%               | 5%                     |
| 6  | Inter village roads connectivity         | 15%                 | 10%         |                   | 3%                     |
| 7  | Public transport                         | 15%                 | 5%          |                   | 3%                     |
| 8  | LPG Gas<br>Connections                   | 31.99%              | 10%         |                   | 3%                     |
|    |  |                     | 100%        |                   | 34.00%                 |

|   | <b>Economic Activities</b>                                  | Score-D             | W-!-1-4 V   | O                 | Weighted   |  |
|---|---|---------------------|-------------|-------------------|------------|--|
|   | Desirable Component   | Gaps Assuming A=100 | weightage A | Overall Weightage | Score= X*D |  |
| 1 | Skill Development training<br>Linked to Economic Activities | 67.34%              | 45.0%       |                   | 13%        |  |
| 2 | Agri-services and Processing                                | 60.11%              | 55%         | 30%               | 11%        |  |
|   |   |                     | 100%        |                   | 24.00%     |  |

|   | Social Amenities  | Score-D             |             | Overall Weightage | Weighted   |  |
|---|---|---------------------|-------------|-------------------|------------|--|
|   | Desirable Component   | Gaps Assuming A=100 | Weightage X |                   | Score= X*D |  |
| 1 | Health  | 25.00%              | 50%         |                   | 12%        |  |
| 2 | Up gradation of primary,<br>secondary and higher<br>secondary schools | 25.00%              | 50%         | 25%               | 12%        |  |
|   |   |                     | 100%        |                   | 24%        |  |

| Digital Amenities            |                         | A   | В                     | C                | D                         |
|------------------------------|-------------------------|---|-----------------------|------------------|---------------------------|
| Desirable Desir<br>Component |                         | Desired Levels  | Existing<br>Situation | Deficit<br>(A-B) | Gaps<br>Assuming<br>A=100 |
| 1 Digital Literacy A         |                         | At least one e- literate person in every household.                       |                       | 27.49%           | 1,219                     |
|                              |                         | 6,880   | 5,661                 |                  |                           |
| 2                            | Citizen Service Centres | One ICT enabled front end Common Service Centre (CSC) per 2 to 3 villages | 50%                   | 50%              | 50%                       |

## **STEP 7: Proposals:**

|  | PROPOSED AMENITIES FOR 2041 |                                 |                              |               |  |  |  |  |
|--|-----------------------------|---------------------------------|------------------------------|---------------|--|--|--|--|
| Desirable Component  | Population                  | Area Required                   | Proposed Nos<br>2041(49,406) | Area Proposed |  |  |  |  |
| Skill Development training Linked to Economic Activities 5,000 |                             | 500 Sq.M                        | 10                           | 5,000         |  |  |  |  |
| Agri-services and Processing                                   | 1 for 10,000                | 500 Sq.M(Ground Coverage 60%)   | 5                            | 2,500         |  |  |  |  |
| Warehouse for Storage  | 1 for 10,000                | 1,000 Sq.M(Ground Coverage 60%) | 5                            | 5,000         |  |  |  |  |
| Sub Centers/Dispensaries                                       | 1 for 5,000                 | 500 Sq.M                        | 10                           | 5,000         |  |  |  |  |
| Anganwadi  | 1 for 1,000                 | 500 Sq.M                        | 50                           | 25,000        |  |  |  |  |
| Waste Water Treatment System                                   | 5,000                       | 500 Sq.M                        | 10                           | 2,500         |  |  |  |  |
| Solid and Liquid Waste<br>Management Unit                      | 5,000                       | 500 Sq.M                        | 10                           | 2,500         |  |  |  |  |
| Vermi Composting Plant   | 5,000                       | 500 Sq.M                        | 10                           | 2,500         |  |  |  |  |
| Common Service Centre  | 5,000                       | 500 Sq.M                        | 10                           | 2,500         |  |  |  |  |

|         | SOCIAL PROFILE OF CLUSTER |        |       |        |       |        |        |  |  |
|---------|---------------------------|--------|-------|--------|-------|--------|--------|--|--|
| Details |                           | GP-1   | GP-2  | GP-3   | GP-4  | GP-5   | Total  |  |  |
| 1       | Population(2011 Census)   | 8,570  | 4,868 | 8,355  | 1,963 | 5,765  | 29,521 |  |  |
| 2       | Population(2021)          | 9,195  | 5,596 | 10,279 | 2,242 | 7,518  | 34,830 |  |  |
| 3       | Population(2031)          | 9,933  | 6,432 | 12,651 | 2,560 | 9,804  | 41,380 |  |  |
| 3       | Population(2041)          | 10,730 | 7,394 | 15,570 | 2,924 | 12,788 | 49,406 |  |  |

| SCHEMES FOR THE PROPOSED AMENITIES |  |   |  |  |
|------------------------------------|--|---|--|--|
| SL NO                              | NO Desirable Desirable Outcome   |   | Potential Scheme for convergence                                 |  |
| 52110                              | components   | Desirant Outcome  | Name   | Brief  |
| 1                                  | Skill Development<br>training Linked to<br>Economic<br>Activities        | At-least 70 percent household with<br>one beneficiaries in each households                                | Deen Dayal<br>Upadhyaya Grameen<br>Kaushalya Yojana<br>(DDU-GKY) | Outcome led design     Guaranteed Placement for at least 75% trained     candidates     Shift in emphasis from     training to career     progression     Industrial Internships   |
| 2                                  | (i) Agri services<br>andProcessing                                       | Support to the Agriculture and Allied Activity components as per RKVY.                                    | Rashtriya Krishi<br>Vikas Yojna (RKVY)                           | Intends to incentivize the States so as to increase public investment in Agriculture and allied sectors. The scheme gives autonomy to the States to draw up plans for executing Agriculture and allied sector schemes taking into consideration the agro-climatic conditions, availability of technology, natural resources and cropping patterns in the respective districts. |
| 3                                  | Digital Literacy<br>(access to digital<br>resources for all<br>citizens) | At-least one e-literate person in every household.  | Digital India  | It helps them seek better livelihood opportunities and become economically secure.   |
| 4                                  | 24 x 7 Piped Water<br>Supply   | 70 liters per capita per day (lpcd) of<br>safe drinking water for every<br>households throughout the year | National Rural<br>Drinking Water<br>Programme<br>(NRDWP)         | Provision of Piped water<br>supply to households,<br>ensuring sustainability in<br>drinking water schemes<br>and convergence of all<br>water conservation<br>programmes. By 2022   |
| 5                                  | Sanitation   | 100% HH with Individual Household<br>Latrines   | Swachh Bharat<br>Mission-Gramin                                  | 1)To achieve universal sanitation coverage and focus on sanitation, 2) To improve the levels of cleanliness in rural areas through Solid and Liquid Waste Management activities, 3) Making Gram Panchayats Open Defectation Free (ODF), clean and sanitized.   |
| 8                                  | Inter village roads<br>connectivity                                      | Ensure connectivity between all villages.   | Pradhan Mantri Gram<br>SadakYojana<br>(PMGSY)                    | 1) All-weather road connectivity to unconnected rural habitations 2) Accessibility of unconnected habitations to the services (educational, health, marketing facilities etc.), which are not available in the unconnected Habitation.   |