

Name of the Urban Local Body : Bijapur

Type of Municipal Body : City Municipal Council

Population (2001) : 2,53,307

Population (2005) : 2,79,793

Area : 78.33 sq. km

Location : Belgaum division,

Number of wards : 35

Number of houses : 56098

Total Road Length : 313 Km

Waste generated : 109 tonnes per day

Data used for the Action Plan is valid as on: 04th August 2005



1. Introduction

Bijapur city , the head quarter of the district , located in Belgaum division is one of the 36 NIRMALA NAGARA towns selected under NKUIDP, for the up gradations in SWM practices, in the first phase. The city has a population of about 279793 with a decadal growth of 33.6%. The city has also increased in area with the inclusion of new areas in to municipal limits.

Bijapur, the pride of deccan is located on an arid plateau between the Krishna and Bhima rivers . There are 4 natural valleys in town , which ultimately meet at a water course running at a distance of about 1 km north of the town. There are dominating features such as hills , rivers etc in the immediate surrounding of the city.

The city is recognized as a tourism place, famous for its historical monuments like Gol-Gumbaz, having world famous whispering gallery.

2. Objectives

- To consolidate the information on the existing system of solid waste management.
- 2. To detail the action plan for solid waste management in conformity with the state policy on solid waste management and the MSW rules 2000.
- To provide a document which would be used for immediate procurement of equipment and services for implementation of the solid waste management system and provide a baseline for all future plans for solid waste management for the city.

3. Project Methodology

- 1 An initial plan was prepared based on the standards proposed in the state policy of SWM.
- 2 Identification of the disposal site has been carried out and the site got authorized by KSPCB.
- 3 The supporting data has been collected based on the DPR by the consultants.

The current page data is valid as on: 03-08-2005



4. Profile of Bijapur city

Year of formation of the Municipal Body:

| 1 | 8 | 5 | 4 |
|---|---|---|---|
| | | | |

Type of City or town Tourist (Historical)

Table: 1



| Area spread | 78.33 Sq.Km | | | | | |
|---------------------|--|--|--|--|--|--|
| Population(Present) | 279793 Number | | | | | |
| Connectivity | Road: Solapur - 101 km | | | | | |
| | Road : Belgaum - 220 km | | | | | |
| | Road: Bangalore - 530 km | | | | | |
| | Road: Hyderabad - 420 km | | | | | |
| | Rail: Solapur - 100 km | | | | | |
| | Rail: Bagalkot - 80 km | | | | | |
| | | | | | | |
| Growth potential | More institutions have been established recently. | | | | | |
| | conservation aspect of the ancient monuments have given a beautiful outlook to the city. | | | | | |
| | having 33% avg decadal growth in population. | | | | | |
| Main tourist spot | 1) Gol gumbaz | | | | | |
| | 2) Jamia masjid | | | | | |
| | 3) Ibrahim roja | | | | | |
| | 4) Mulk-e-maidan | | | | | |
| | 5) Uppali bruz | | | | | |
| | 6) Bara kaman | | | | | |
| | 7) Gagan mahal | | | | | |
| Annual Rainfall | 510 mm (avg) | | | | | |
| Temperature | Min 20 °C; Max 43 °C | | | | | |
| | | | | | | |

Table 2 : Ward details

| Ward no. | Households | Population | Area (km²) | Population Density (no./ km²) | Ward no. | Households | Population | Area(km²) | Population Density (no./ km²) |
|----------|------------|------------|------------|-------------------------------------|-----------|------------|------------|-----------|-------------------------------------|
| 1 | 3269 | 16048 | 7.11 | 2257 | 19 | 1171 | 5855 | 0.76 | 7703 |
| 2 | 867 | 4335 | 3.96 | 1094 | 20 | 1770 | 8850 | 0.70 | 12642 |
| 3 | 2855 | 14275 | 0.91 | 15686 | 21 | 1636 | 8180 | 2.50 | 3272 |
| 4 | 1290 | 6450 | 6.55 | 985 | 22 | 1554 | 7770 | 3.50 | 2220 |
| 5 | 2193 | 10965 | 1.70 | 6450 | 23 | 1397 | 6985 | 0.77 | 9071 |
| 6 | 1474 | 7370 | 1.52 | 4848 | 24 | 1554 | 7770 | 0.79 | 9835 |
| 7 | 1120 | 5600 | 0.60 | 9333 | 25 | 1358 | 6790 | 0.83 | 8180 |
| 8 | 1106 | 5530 | 0.69 | 8014 | 26 | 1173 | 5865 | 0.77 | 7616 |
| 9 | 1772 | 8860 | 0.70 | 12657 | 27 | 759 | 3795 | 0.88 | 4312 |
| 10 | 625 | 3125 | 0.70 | 4464 | 28 | 1376 | 6880 | 0.63 | 10920 |
| 11 | 2264 | 11320 | 1.12 | 10107 | 29 | 2435 | 12175 | 4.98 | 2444 |
| 12 | 2000 | 10000 | 5.58 | 1792 | 30 | 158 7 | 7935 | 0.84 | 9446 |
| 13 | 944 | 4620 | 1.01 | 4574 | 31 | 617 | 3085 | 0.69 | 4471 |
| 14 | 1927 | 9635 | 1.06 | 9089 | 32 | 637 | 3185 | 0.64 | 4976 |
| 15 | 1535 | 7675 | 3.55 | 2161 | 33 | 1225 | 6125 | 1.09 | 5619 |
| 16 | 2377 | 11885 | 6.08 | 1954 | 34 | 1520 | 7600 | 0.63 | 12063 |
| 17 | 2850 | 14250 | 3.40 | 4191 | 35 | 1146 | 5530 | 10.38 | 532 |
| 18 | 2715 | 13475 | 0.71 | 18978 | To tal | 56098 | 279793 | 78.33 | |



There are 35 wards in the city , which are grouped in to 10 divisions . The details are as follows :

Table 2 a: contd.,

| Division | Wards | Division | wards |
|----------|----------------------|----------|-------------------|
| 1 | 1,2, 3, 4, 5, 6 | 6 | 17,18,19,20,21 |
| 2 | 7, 8 | 7 | 22,23,24,25,26,27 |
| 3 | 10, 11, 12 | 8 | 28,29,30 |
| 4 | 9, part of 10 and 11 | 9 | part of 27,31,32 |
| 5 | 13,14,15,16 | 10 | 33,34,35 |

| Division | | housel | holds | | | | | | and Clinics | | ų. | h in km | mai | rket | D | ustbi | ns |
|----------|-------------------|------------------------------|----------------|------|----------|-------|----------|-----------|-------------|--------|----------------------|-------------|-----------|----------|----|-------|-----|
| no. | Population (a) | Houses that can pay | LIG & slums | Shop | Choultry | Hotel | Industry | Meat Shop | Hospital ar | Temple | Drain length (Km) | Road length | vegitable | nonvegit | А | В | С |
| Total | 279793 | 35844 | 20254 | 4854 | 32 | 314 | 106 | 111 | 270 | 137 | 63 | 313.0 | 9 | 2 | 95 | 82 | 142 |
| 1 | 59443 | 8383 | 3551 | 418 | 1 | 42 | 04 | 15 | 51 | 16 | 6 | 75.6 | 1 | | 80 | 12 | 20 |
| 2 | 11130 | 1718 | 508 | 169 | 2 | 12 | - | 04 | 15 | 05 | 2 | 8.0 | 1 | | 80 | 07 | 04 |
| 3 | 22125 | 2000 | 2016 | 270 | 2 | 25 | 1 | 03 | 30 | 15 | 9 | 30.0 | 1 | | 15 | 08 | 12 |
| 4 | 14180 | 2800 | 72 | 838 | 7 | 37 | 1 | | 13 | 11 | 1 | 7.5 | | | 80 | 06 | 03 |
| 5 | 30815 | 3260 | 2902 | 1068 | 4 | 86 | 102 | 17 | 29 | 11 | 8 | 32.9 | 4 | 1 | 7 | 06 | 20 |
| 6 | 50610 | 6250 | 4142 | 465 | 4 | 23 | | 15 | 40 | 25 | 7 | 39.9 | | | 11 | 12 | 21 |
| 7 | 38975 | 5880 | 2015 | 537 | 5 | 45 | 1 | 17 | 50 | 20 | 12 | 40.5 | 1 | | 12 | 12 | 24 |
| 8 | 26990 | 3186 | 2211 | 180 | 3 | 12 | - | 8 | 12 | 15 | 8 | 28.0 | | | 11 | 05 | 10 |
| 9 | 6270 | 700 | 713 | 634 | 2 | 15 | | 25 | 20 | 10 | 3 | 15.4 | 1 | 1 | 7 | 5 | 20 |
| 10 | 19255 | 1567 | 2124 | 275 | 2 | 17 | 1 | 07 | 10 | 9 | 5 | 34.0 | | | 8 | 9 | 8 |



Table 3: List of declared and undeclared slums in the ULB

| SI no. | Nameoftheslum (ward no.) | Туре | Population | Households | DB | Staff | PC |
|--------|---------------------------------|------|------------|------------|----|-------|----|
| 1 | Kudampurgalli (1) | Ĭ | 4339 | 712 | 36 | 2 | 1 |
| 2 | Arkeri oni (1) | D | 967 | 212 | 10 | | |
| 3 | Kumbaroni (1) | I | 658 | 261 | 13 | | |
| 4 | Gyangbowdi Nr. Gen.hospital (1) | I | 2850 | 537 | 27 | 2 | 1 |
| 5 | Gavali galli (1) | | 2617 | 418 | 21 | | |
| 5 | Shahapuragasi (1) | I | 3000 | 565 | 29 | 2 | 1 |
| 6 | Janvekartatte (2) | | 2000 | 308 | 15 | | |
| 7 | Venkataramangalli (3) | D | 2983 | 506 | 25 | 2 | 1 |
| 8 | Alvimasjid (3) | D | 1193 | 203 | 10 | | |
| 9 | Nr. Gachinakatti shop (3) | D | 1200 | 112 | 6 | | |
| 10 | Minimadara oni (3) | D | 2915 | 493 | 25 | 2 | 1 |
| 11 | Bombalagasi (3) | I | 6000 | 514 | 26 | | |
| 12 | Rangeenmasjid (5) | D | 535 | 78 | 4 | 2 | 1 |
| 13 | Near veterinary hospital (5) | D | 869 | 165 | 8 | | |
| 14 | Near sericulture office (5) | D | 2500 | 325 | 16 | | |
| 15 | Near railway station (5) | D | 1139 | 227 | 11 | | |
| 16 | Leprocy colony (6) | | 500 | 107 | 5 | | |
| 17 | Sunagaragalli (shahapet) (5) | | 3121 | 623 | 31 | 2 | 1 |
| 18 | Gollara oni indi road (5) | D | 1216 | 323 | 16 | | |
| 19 | Near yallamma temple (5) | | 2500 | 325 | 16 | | |
| 20 | Konchikoravaraoni (6) | D | 532 | 89 | 5 | 2 | 1 |
| 21 | Pailwangalli (6) | D | 966 | 182 | 10 | | |
| 22 | Jadaragalli (6) | D | 1163 | 112 | 6 | | |
| 23 | Pashapur Road (6) | D | 168 | 24 | 2 | | |
| 24 | Hariyala galli (6) | | 750 | 125 | 6 | | |
| 25 | Gachinamahal (6) | I | 1047 | 138 | 7 | | |



| 26 | Allpur oni | (6) | | 8000 | 2089 | 104 | 6 | 3 |
|----|-----------------------|-------|-----|-------|-------|-----|----|----|
| 27 | Near spinning mill | (5) | I | 1200 | 200 | 10 | | |
| 28 | Rambhapur | (6) | I | 350 | 54 | 3 | | |
| 29 | Indra nagar | (6) | I | 1500 | 319 | 16 | 2 | 1 |
| 30 | Rajaputh galli | (6) | D | 1789 | 217 | 15 | | |
| 31 | Peti bowdi | (6) | D | 2056 | 348 | 17 | | |
| 32 | Ibrhimpur harijankeri | (6) | | 1000 | 169 | 9 | 1 | 1 |
| 33 | Nagar bowdi | (7) | | 2500 | 319 | 16 | 2 | 1 |
| 34 | Badikaman | (7) | D | 627 | 63 | 3 | | |
| 35 | Republic school | (7) | | 500 | 69 | 4 | | |
| 36 | Nagoor thota | (7) | - 1 | 2000 | 219 | 11 | | |
| 37 | Pasari Kaman | (7) | | 1000 | 118 | 6 | | |
| 38 | Marati vidyalay | (7) | | 1000 | 221 | 11 | | |
| 39 | TS Nagar | (8) | | 1373 | 332 | 17 | 2 | 1 |
| 40 | Nisaarmaddi | (8) | | 600 | 159 | 8 | | |
| 41 | Kaadigramodyog | (8) | I | 539 | 177 | 9 | | |
| 42 | Langabazar | (8) | | 1760 | 220 | 11 | | |
| 43 | Kajanagar | (8) | I | 2500 | 323 | 16 | 2 | 1 |
| 44 | Tazbowdi | (9) | D | 1314 | 234 | 12 | | |
| 45 | Jodgumbaz | (9) | D | 1173 | 176 | 9 | | |
| 46 | Habibnagar | (10) | | 1000 | 217 | 11 | 2 | 1 |
| 47 | Shasthrinagar | (10) | | 1000 | 222 | 11 | | |
| 48 | Mujavar lane | (10) | | 1000 | 230 | 12 | | |
| 49 | Jorapur galli | (10) | D | 5431 | 836 | 42 | | |
| 50 | Gaddal tippi | (10) | | 5000 | 537 | 17 | | |
| 51 | Kalebagh | (10) | | 574 | 168 | 9 | 1 | 1 |
| | | Total | | 94514 | 16000 | 795 | 34 | 18 |



5. Population Growth and Density

(city map showing the population distribution is attached)

Table 4: Population growth

in the ULB

Total Area of the city or town : 78.33 Sq. km

Total population residing in the city : 279793 no's

Floating population : 10000 no's

Rapid urbanization , establishment of various institutions like, Ayurvedic college , medical and engineering colleges, Science , arts, commerce colleges, establishment of industries like cooperative spinning mill , conservation aspect of historical monuments , inclusion of new areas in to the municipal limits lead to the population growth in the ULB.

| Census year | Population (numbers) (a) | Area (sq.Km) (b) | GrossDensity (Persons /sq.Km) (a/b) | |
|-------------|--------------------------------|------------------------|---|--|
| 1981 | 147313 | 41.74 | 3529 | |
| 1991 | 193131 | 75.36 | 2563 | |
| 2001 | 253507 | 78.33 | 3236 | |
| 2005 | 2005 279793 | | 3378 | |
| 2011 | 2011 311701 | | | |
| 2014 | 2014 328443 | | | |

6. Socio Economic characteristic

Bijapur is well recognized as tourist place. The foundations of the historic city were laid during the reign of Chalukyan dynasty of Kalyani between 10th and 11th century. They called it VIJAYAPURA, the city of victory, from which its name comes Bijapura. Bijapur has seen the administration of AllaudinKilji, Bahamani kings of of Bidar in 1347, Adilshaahi Sulthans in 1487, and Aurangazeb, the mughal emperor in 1686.

During Adilshahi period, Bijapur experienced a great burst of architectural activity resulting in the construction of over 50 mosques, 20 tombs and number of palaces like world famous Gol-Gumbaz, Ibrahim-Roja, Jamia-masjid, gaganmahal etc.,

Institutions like sainik school , Aurvedic college, arts, science, commerce, engineering, medical colleges, Mahila universities have been established recentrly.

With the establishment of co-operative spinning mill, other industries Bijapur is growing as a trading centre also.

Table 5: Land use pattern (land use map demarcating water bodies, commercial area, industrial area, residential, institutional, public and semi public areas, road etc is attached.)

| House holds | 56098 | | | | |
|-------------|----------------------------------|--|--|--|--|
| Industries | 106 | | | | |
| Choultries | 30 | | | | |
| Temples | 150 | | | | |
| Slums | Declared : 21 Undeclared : 30 | | | | |

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Credibility Building phase of Nirmala Nagara Yojane

Under Credibility building phase of Nirmala Nagara Yojane,

- Number of Awareness programme conducted for schools:
- Number of Awareness programme conducted for general community: 10

A 24 hour help line is available in the CMC with a telephone facility. (Ph: 222474) A complaint rigister is maintained in the CMC to have a record of all the complaints received by the public The help line staff receives and records the complaint and inform to the concerned sanitary staff who take immediate action. The time duration in which the complaint will be attended varies from one hour to five hours depending on the number of complaints.

Among 7 sanitary inspectors and nine supervisors only 3 are provided with wireless sets. Because of this sometimes communication with the concerned staff will be delayed.

Table 6: Number of groups identified under SJSRY Scheme.



| NGOs | RWA | Stree Shakthi | TCG | RGYSS | Any other |
|------|-----|------------------|-----|-------|--------------|
| 08 | 35 | 350 | 38 | 35 | 30 NHC |

8. Present scenario of Solid Waste

Management Status

The Major components of Solid Waste Management are:

- 1. Type of waste generated
- 2. Participation of stakeholders
- 3. Source Segregation
- 4. Primary Collection
- 5. Secondary Storage
- 6. Secondary Transportation
- 7. Processing and Disposal
- 8. Problems faced by the CMC

Recyclables



8.1

Total quantity of waste generated in a day 91 tonnes per day

Composition of waste generated:

Type

of

waste Orga

generated

Organic Waste : 62 tonnes per day Inorganic Waste : 22 tonnes per day

: 07 tonnes per day

Trip sheet



| days | V1 | V2 | V3 | V4 | V5 | V6 | V7 | V8 | V9 |
|------|----|----|----|----|----|----|----|----|----|
| Sun | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| Mon | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2 |
| Tue | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 2 |
| Wed | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Thu | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 2 |
| Fri | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| Sat | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

V1-V8 represents eight vehicles. On Sunday & Friday PK,s will be having half day leave. So on these days except V1(tipper), other vehicles do only one trip. On an average each vehicle do 2 trips a day. Quantity of waste transported per trip varies between 3.0 to 4.0 tonn

8.1.1 Estimation of waste generation (in TPD)

| Source | No. | Waste generated. (qty in TPD) | Wet waste to be collected in secondary containers (in TPD) |
|----------------|-------|-------------------------------------|--|
| House holds | 56098 | 74.00 | 51.20 |
| Commercial | 4854 | 05.00 | 00.50 |
| Markets | 9 | 08.00 | 08.00 |
| Hotels : small | 289 | 02.30 | 01.50 |
| big | 25 | 01.50 | 01.00 |
| Hospitals | 270 | 00.10 | |
| Mutton shop | 111 | 00.10 | |
| | Total | 91.00* | 62.20 |

^{*} The quantification excludes construction waste which amounts to about 08 TPD & Street Sweeping waste about 10 TPD (approximately)

8.1.2 waste generation theoritically (in TPD)

| population | Generation | Total |
|------------|------------|-------|
| | g/capita | TPD |
| 279793 | 325 | 91 |



8.2 Participation of stakeholders & their Performance

Total number of wards : 35 number

Total number of divisions : 10 number

Number of wards outsourced : 05 number

Number of wards managed by the ULB: 05 number

SWM Activities that is outsourced are: Street sweeping and

garbage transportation to the dumping yard.

Performance of the contractor: performance of the contractor is not satisfactory. As the ULB has not paid contractors bill for about last 5 months, the protesting of labours for the salary is common phenomenon on15th of every month

No. workers under contractor 140; No.f workers allotted per ward for, Street sweeping: 10-40 umber depending on the ward area and population.

The present mode of waste collection is through street

Primary collection of waste: not yet practiced

Storage: 10 number; Treatment: not in practice

Disposal : 04 number

Segregation of the waste is not in practice

sweeping and collection from community bins. The major part of the city being densely populated with slum and low income groups and market / commercial areas most of the staff is deployed for the sweeping of A type roads (majority of them are having width of < 40 ft) In the slums as people are having the habit of throwing the waste including cooking rejects at their doorsteps, these roads need daily sweeping. Because of such public habits, problems due to stray animals such as pigs has also increased. The dustbins in the slums will be seen overflowing in spite of their daily clearance ,some even with a clearing frequency of twice a day. In ward no.1, 3 each households are visited for the initiation of door to door collection through RWA's and found that few of them showed interest with the condition that ULB has to provide vehicles free of cost..

As ULB has no system for the collection of waste from restaurants / choultries the wastes are taken for cattle feeding.

8.3 Segregation

8.4 Primary collection

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8.4.1 Community Bin System for Primary collection of Waste

The community bin system is employed for the collection of waste in the whole of the city. The bins of circular concrete type and rectangular masonary type are being used for the collection of waste, which are cleared as per the need. For example in market areas few points are cleared twice a day, few are on daily basis and few are cleared as and when they get filled.

Recently after appointing an NGO for IEC activities few residential areas are showing the sign of coming forward for door to door collection through RWA formation

Total number of community bins located in the city 229.

Type A : 95 no's
Type B : 82 no's
Type C : 142 no's

8.4.2 Street sweeping

Table 8: Street sweeping schedule attached. The core of the city namely the wards 7,8,9,10,11,28,31,32 being market areas and major part of ward 6, part of wards 3,6,9,11,14,18,19,30,33 are being slums these areas have been swept daily basis. Only few of the extensions are being swept twice a week and majority of the extensions are being swept once a week



8.4.3 Desiltation of Roadside drains

Frequency of desilting the road side drains : on demand basis

Frequency of desilting major storm water drains: -- do --

Sewers : 90 kms
 Process adopted of desilting : manual
 Major storm water drains : 63kms

Process adopted of desilting : manual

3. Roadside drains with sewageflow: 5 kms

Process adopted of desilting : manual

The desiltation waste from the drains is disposed off in open dumping along with the garbage at the dumping site.

8.4.4 Secondarystorage

There are no secondary storage containers. The waste from community bins is directly carried to the dumping site by the CMC's and contractor's vehicles

8.4.5 Transportation

Quantity of waste transported per day 60 Tonnes Per Day.

Types of vehicular fleet available with the ULB:

1. Tractor trailer:

a. Number: 08 number

b. Carrying capacity: 3 -- 4 tonnes

c. Condition of the vehicle : good

2. Tipper

a. Number : 01 numberb. Carrying capacity : 4.5 tonnesc. Condition of the vehicle : not good

No. of trips each vehicles does to the disposal site: 2.

There are total 8 vehicles 4 owned by the CMC(3 tractors and 1 tipper) and 5 tractors on contract basis taken from SHG's. The CMC vehicles have raised sides with uncovered tops with carrying capacity of 3.5 to 4.5 tonnes. The waste from the bins is loaded manually to the vehicle by 4 loaders. The tipper is in pathetic condition and requires frequent repairs and maintenance. Farmers around the city also transports an average of 5-6 trips of waste to use as compost. Totally an average of 50 – 60 tonnes of the waste is transported from the city.

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Source for the data: *Office of the CMC*

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8.4.6 Processing and Disposal of waste

As there is no segregation at the source level, the municipal solid waste gets mixed with the street sweeping / desiltation waste at the time of transportation to the dumping site. Presently the waste is not being processed and is being dumped at the site owned by the CMC, situated on Indi road, S.no. 138/139, for which the authorization from the KSPCB is obtained for composting and land filling. The estimation for the construction of compound wall, guard house, installation of weighbridge is completed. The other developmental works are yet to start.

For the treatment of biomedical waste 3 acres of land has been provided to Karnataka Private Medical Establishments association.

8.4.7 Problems faced by the CMC

The problems faced by the CMC while executing the current solid waste management system are :

- 1. Lack of manpower and infrastructure
- 2. Lack of awareness among the community
- 3. Lack of public interest and support
- 4. Lack of planning
- 5. Staff requires proper training on solid waste handling

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| | Gap / | Analysis for Bijapur C | ıty |
|---------------------------|---|--|--|
| Action | MSW Rules 2000 | Present Status of SWM | Proposed SWM |
| Segregation | Organizing awareness programmes Promoting recycling or reuse of segregated materials Phased programme to ensure community participation in waste segregation | Segregation is not followed | - segregation of waste in to wet, dry/ recyclables & household hazardous wastes - conducting awareness programmes every month familiarizing people about the solid waste management system adopted in their ULB - Training programme for retrievers regarding importance of segregation, proper handling of wasteand its hazards due to improper handling - Littering of waste to be banned - Levying fine who doesn't follow segregation - Houses should be levied fine for throwing garbage in open space - Conducting awareness programmes for schools, colleges and institutions |
| Primary collection | Door to door waste collection. Slums, bulk generators, agricultural waste should have separate collection system. MSW should not mix with hospital and industrial waste No burning of waste Recycling biodegradable waste | Through community bins Street sweeping in major part of the city | Door to door collection system programmatic street sweeping Separate collection system for bulk generators and construction waste User charges will be levied households for,commercialestablishments and other waste generators as per the directions of UDD. |
| Secondary storage | Adequate number of covered storage bins Colorization of the bins: Bio-degradable wastes - green Recyclable wastes - white Other wastes – black. Avoid manual handling of waste | Nosecondary storage system | Closed metal secondary storage containers of 3 m ³ and 4.5 m ³ Automatic loading of containers so as to minimize manual handling |
| Transportation | Covered transportation vehicles Avoid multiple handling of waste No open dumping Regular clearance frequency | By 1—tipper and 7— tractors with raised sides Uncovered transportation | - Twin container dumper placer for transportation - Hygienic transportation to processing/ land filling site |
| Processing: | Recycling of biodegradable wastes Inerts for landfill | No processing is being followed | - Composting of wet waste - Recycling of reusable - Inerts to land fill |
| Disposal | Sanitary landfill | Open dumping | Sanitary land fill |
| Financial arrangement | | Expenditure under SWM is not maintained separately. | Expenditure under SWM head should be maintained separately |
| Institutional arrangement | | monitoring by health section of ULB | Monitoring and management by ward committees RWA's,SHG's which in turn by ULB. |



| Overview of the Proposed Action Plan | | | | | | | |
|---|--|--|---|--|--|--|--|
| Activity | Proposed Action Plan | ULBs role | Private Sector Partnership | | | | |
| Creating awareness among the community and training to the SHGs | Lead NGO has to be identified for awareness creation | Providing necessary materials for 1he awareness creation | IEC activity is being outsourced to Jayanthigram women's and children's welfare association | | | | |
| Street Sweeping and clearance of dry waste and clearance of | All A type roads and 48 km of b type roads in divisions 1 & 3 will be outsourced for street sweeping Total Road length: 106 kms | All C & D type roads and B type roads in divisions 2,4,5,6,7,8,9,10 will be maintained by ULB. Total road length: 207 kms | Street sweeping ,collection of garbage from community bins, transportation of construction debris (lump sum rate contract) doc. 5 | | | | |
| litterbins | A:58 B:48 | B: 86 C: 98 D: 23 | | | | | |
| Door to door waste collection in residential area | Wet waste will be collected daily and dry waste twice a week zone wise manner | Monitoring of RWA / SHG. | RWA 's and SHG 'g Will be given the responsibility of door to door collection in improved layouts. | | | | |
| | Auto tippers required : 09 no. | | | | | | |
| | Ttricycle required : 90 no. | | | | | | |
| | Pushcarts required : 14 no. | | | | | | |
| Waste collection in bulk generating area | The waste collection from bulk generators will be outsourced. | Monitoring of RWA / SHG. | SHG or service provider will do collection under the supervision of ULB. | | | | |
| Waste collection in slum area | Waste collection in slum areas will be done by ULB Number of Pushcarts required: 18 | slum areas and LIG areas in wards 5, 6,7,8 will be handled by ULB. Number of households : 20254 | | | | | |



| Secondary storage container | Total number of secondary storage containers required: 3 m³ : 31 no's. 4.5 m³ : 31 no's. As within the fort wall region, population density is high & in the extensions population density is very less , interval between the containers varies accordingly. | Secondary containers will be procured by ULB | Not Applicable |
|-----------------------------------|--|---|---|
| Transportation of waste | Number of dumper placer required: 05 no. No. of tractor trailer required: nil | The CMC is already having 3 tractor trailers. The dumper placers will be procured by ULB. | Operation and maintenance of dumper placers has to be outsourced. |
| Landfill unit | Composting of the wet organic waste and land filling the rejectables. Area required for compost unit 20 Acres Area required for landfill unit: 15 Acres | Monitoring the activities of the operator | Construction and operation of processing and landfill site has to be outsourced |
| Procurement tender for Equipments | | | Equipment purchase documents. Doc.11 |



- Formation of Management and monitoring Committee for Primary Collection in residential areas
- a) Involving SelfHelp Groups(SHGs)

As per the state policy SHG 's should be involved for door to door waste collection in residential and commercial areas. 50% of the amount for purchasing a primary collection vehicle will be pooled in by the CMC and the rest 50% has to be filled by the SHG; for which a bank loan at subsidized rates will be provided with the help of CMC. The group has to repay the loan with in 5 years from the amount collected as a user fee from each household / shop.

b) Involving Resident Welfare Association (RWA) Number of RWA functioning in the city or town none.

Residents in extension areas are being motivated for the formation of RWA's and few are coming forward to undertake door to door collection. Few sthree shakthi groups are also coming forward and door to door collection in extension area will be done by RWA's and SHG's. In chalukya nagar, Adarsha nagar, KHB colony, Kanakadasa layout, SHG's & NGO's are coming forward to do door to door collection.



2. Conducting

Awareness among the community

General Community : conducting awareness programmes related to waste minimization, reduction, reuse and recycle concept.

Arareness on segregation of waste in to wet and dry

Schools : Recycling of waste especially plastics ; utilization of waste for composting.

Institutions: Awareness on segregation of waste in to wet, dry And hazardous.

Health Staff: Training of health staff regarding handling, transporting, processing, disposal of waste; SWM-2000 rules and specifications.

3. Segregation

The waste has to be segregated into two types:

Wet waste: food waste, decomposable waste, other organic waste etc.

Dry waste includes recyclables: paper, plastics, rubber, wood, other inorganic waste etc.

The phase wise programs to attain segregation are given in the instruction sheet.

4.Primary

collection

The primary waste collection is to be taken under two heads:

1. Street sweeping 2. Door to door waste collection

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Table 9: Classification of waste generators and primary collection strategy.



As per the SWM State Policy, Auto tippers and tricycles or pushcarts should be in 25:75 proportionate.

| SI. | Waste generator | Number | Primary waste collection strategy |
|-----|---|---------------------------------|--|
| 1 | Residential households | S | |
| а | Households that can pay the user charge | 35844 | Door to door collection by means of auto tipper / tricycle |
| b | Lowincome households which cannot pay the user fee | 4254 | Waste collection using bring system by CMC staff. |
| С | Slum households | 16000 | Waste collection by means of community bin /bring system by CMC staff. |
| 2 | Small waste generators | 5 | |
| а | Small Hotels/ restaurants | 289 | By primary collection by the collection group of the concerned area. |
| b | Commercial establishment | 4848 | By primary collection by the collection group of the concerned area. |
| 3 | Bulk generators | | |
| а | Hotels, choultries and high rise building | Hotels: 25 Choultries: 32 | By primary collection by the collection group of the concerned area. |
| 4 | Road side waste gener | ators | |
| а | road sides cleaning | (Not applicable) | By means of street sweeping by the operator of the package. |
| b | Debris clearance | (Not applicable) | By means of street sweeping by the operator of the package. |
| С | Dead animals | (Not applicable) | By task force. |
| d | Litter from road | (Not applicable) | By means of street sweeping by the operator of the package . |
| е | Open space cleaning | (Not applicable) | By task force |
| 5 | Waste generators not o | | CMC |
| а | Institutions and companies | | In institutins cleaning is being done occasionally by task force |
| b | Hospitals | 35 | By Karnataka private medical establishments association |
| С | Industries | 106 | By industries association. |



4.1 Street Sweeping details

As per state policy, one worker should sweep 1 km of road length irrespective of its width.

Definition of Street Sweeping:

Street Sweeping will include:

- Cleaning of silt accumulation along kerbs, mesh and shoulder drain.
- Sweeping of roads, streets and path
- Uprooting of vegetation
- Cleaning open drains
- Clearance of litterbins

Classify the city or town into following zones for street sweeping: A type Roads: Roads that requires daily sweeping

Total road length to be swept under type A: 58 kms

B Type Roads: Roads that requires twice a week sweeping

Total road length to be swept under Type B: 134 kms

C Type Roads: Roads that requires once a week sweeping

Total road length to be swept under Type C: 98kms

D Type Roads: Roads that requires once in fortnight

sweeping

Total road length to be swept under Type D : 23kms

Table no 10: Zone Wise Street sweeping and roadside drain cleaning frequency as per the State Policy.

| Z | Street sweeping frequency | | | DAYS | S | | | |
|-------------|------------------------------|-----|-----|------|-----|-----|-----|-----|
| n e s | | Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| 1 | Once a day | Α | А | А | А | А | Α | А |
| 2 | Twice a week | | | | | | | |
| 3 | Once a week | AC | | | | | | |
| 4 | Once in fortnight | | | | | | | |

AC – Area Cleaning as a task work

Table 11: Distribution of sewers in the City Municipal Council



| Frequency of cleaning | Drain length to be cleaned (in Kms) |
|---|-------------------------------------|
| Cleaned along with the street sweeping schedule (Road side drain with or without sewage flow) | 32 |
| Once a year (to be outsourced) (Huge Sewers and storm water drains) | 30 |

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Total road length to be managed by the ULB 105kms

Type B:86; C:98; D:23

Total road length to be outsourced: 208 kms

Type A: 58; B: 48

Requirement of workers:

A Type Roads:

Total road length to be covered under Zone 1: 58 kms No. of workers required @1000 m = 58

B Type Roads *:

Total road length to be covered under Zone 2: 134 kms No. of workers required @1000m = 134/6 = 46

C Type Roads *:

Total road length to be covered under Zone 3: 98.kms No. of workers required @1000m = 98/6 = 16

D Type Roads *:

Total road length to be covered under Zone 3: 23kms No. of workers required @1000m = 23/14 = 2

Note: one day of the week will be reserved for Gang Work.

Total workers requirement = 122

Road length covered by ULB

C type road : 98 km D type road : 23 km

B type road : 86 km (divisions 2,4,5,6,7,8,9,10)

Workers required: 47

Road length covered by ULB

A type road: 58 km

B type road: 48 km (divisions 1,3)

Workers required: 75

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Table 12: package wise road distribution



| management | Scope of work | Zone | Road length (kms) | Staff requir ed | Drain length (kms) |
|------------|---|-------|-------------------------|-----------------------|--------------------------|
| | Street sweeping, road side drain | Α | 58 | | |
| PSP | cleaning, removal of road | В | 48 | | |
| 1 51 | side vegetation, transportation of waste from the | Total | | 75 | 35 |
| | ward. | | 106 | | |
| | Street sweeping, | В | 86 | | |
| | road side drain | С | 98 | | |
| | cleaning, removal of road | D | 23 | | |
| ULB | side vegetation, | Total | | 47 | 14 |
| | transportation of | | | | |
| | waste from the | | 007 | | |
| | ward | | 207 | | |

Note: package wise details consisting, of Road length, width and Street sweeping schedule along with the city map showing the respective package area is attached.

4.2 Equipments for street sweeping

Table 13: Equipments to be procured by the ULB for street sweeping.



| Sno | Type of tools | Annual requirement of equipments | | | | |
|-----|----------------------------|----------------------------------|-----------------------|--------------------------|--------------------|--|
| | | Actual (a) | Extra stock (b) | Frequency of replacement | Total (a) + (b) | |
| 1 | Long handled broom | 188 | 19 | Once in 3 months | 207 | |
| 2 | Metal scraper and tray | 94 | 9 | Once in 6 months | 103 | |
| 3 | Plastic Basket (Gamela) | 47 | 5 | Once in year | 52 | |
| 4 | Pushcarts | 24 | Nil | Once in 5 years | 24 | |



4.3 Door to door waste collection

Number of households in the city,

Slum & LIG households : 20254 .no.

Non-slum households : 35844 no.

Table 14: Boundaries demarcating the clusters for door to door waste collection by the SHGs.



| Zones | Number of households/ commercial shops |
|---|---|
| | Households that can pay |
| Zone 1* | 9000 |
| (*Areas where DTDC can be done through Auto Tipper) | |
| Zone 2 ** | 5260 |
| (**Areas where DTDC can be done through pushcart) | |
| Zone 3*** | 21584 |
| (***Areas where DTDC can be done through tricycles) | |

Note: This does not include Construction and Hospital Waste. Classify the whole city areas, which can be served by the auto tipper or pushcart or tricycle. Include all legal and illegal properties, declared and undeclared slums

4.3.1 Non slum

Number of households to be served by the Auto tipper = 9100

a. Auto Tipper

Number of auto tippers required = 9.

Total number of SHGs available = 350.

As per the SWM state policy, an auto tipper can serve 800 to 1000 households per day.

Number of SHGs required to manage the door to door waste collection using auto tipper = 9

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Source for the data: *Office of the CMC*

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b. Tricycle

Number of households to be served by the tricycle = 21584

Number of tricycle required = (21584 /240)= 90.

No. of SHG's required: 22

Management system: Waste collection using tricycles will

be managed by SHG's. Which in turn will be monitored

by the CMC.

c. push carts

No. of houses covered: 2260

Number of push carts required = (2260/160) = 14.

No. of SHG's required: 3

Management through ULB

c. bring system

Number of house holds covered: 3240

No. of dustbins required =3240/20=162

Dustbins will be cleared during the removal of street sweeping

waste.

4.3.2 Slum/BPL Bring in system – using HDPE bins No. of households to be served by bring in system: 20254.

No.f HDPE bins required = number of households/ 20

= (20254/20)= 1012

Carrying capacity = 40 lits (approximate can carry 15 kgs of

waste)

Number of push carts required =No. of households/1080

= 20054/1080=18

Number of Pks/workers required = (number of households to be

served / 1080) * 2 = (20540/1080*2) = 36 workers

.

One HDPE bin has to be placed for every 20 households.

As per the SWM state policy,

2 PKs to be deployed for a normative area of about 1080

households.



4.4 Collection Plan

Using Auto tipper : The vehicle will stop at every 50 m distance.

The helper accompanied with the vehicle will collect the wet waste and dry waste and put in to the respective compartment.

Using tricycle : The tricycle will stop at every 50 m distance . the helper will take the segregated waste from each house and put in to the respective bins.

Using pushcart : one person will keep moving the vehicle, other one will collect the wet and dry waste from each house and put in to respective dust bins in the cart.

Using bring in system: The person will keep moving the vehicle and stops at every 50 m distance with the sound of ringing bell / horn. The residents will put the segregated waste in to the dustbins.

Wet waste:

Wet waste will be collected from the source(households/hotels/choultries) on daily basis from 6:30 am up to 10:30am by means of door to door collection/ bring system/ community bin system.

Dry or inorganic waste from house holds will be collected in separate containers and in commercial areas by auto tipper from 8:00 am up to 10:00 am on daily basis.

Dry Waste including recyclables

Dry waste including recyclables will be collected from residential areas once in a week at a fixed schedule. Recyclables if any will be separated and sold, other inerts will go for land filling.



Table 16: chart showing the

collection plan for segregated Waste.

(Divide each command area in 7 zones. On each day of the week, Primary collection vehicle will collect dry waste from each zone in a cycle manner)

| Type of waste | Frequency of Collection | | | | | | |
|-----------------------|-------------------------|-----|-----|-----|------|-----|------------|
| | Sun | Mon | Tue | Wed | Thur | Fri | Sat |
| | | | | | | | |
| Wet waste from | | | | | | | |
| residential area | | | | | | | |
| 6:30 am to 10:30 am | | | | | | | |
| Dry waste from area | | | | | | | |
| including residential | 71 | 72 | 73 | Z 4 | 7.5 | Z 6 | 77 |
| and commercial area | Z 1 | LZ | 23 | Z 4 | 2.5 | 20 | <i>L</i> / |
| 1:30 pm to 4:30 pm | | | | | | | |
| waste collection | | | | | | | |
| from the bulk | | | | | | | |
| generators | | | | | | | |
| 5:30 am to 6: 30 am | | | | | | | |

Table 16: Door to door waste collection plan in an

| SNo | Details of collection activity in residential | Assu | ıming 8 hrs ope | ration |
|--------|--|-------------------------|-------------------------|-----------------------------|
| | areas in morning time for 6 hours | Auto tipper | Tricycle | Pushcart |
| 1 | Total time available per day including one hour break i.e. 6 | 330 Min | 330 min | 330 min |
| 2 | Number of houses to be covered in a day | 1000 | 240 | 160 |
| 3 | Carrying capacity of the collection vehicle per trip | 500 – 600 kgs | 80 -100 Kgs | 40-50 kgs |
| 4 | Number of houses that can be covered per trip | 500 houses | 80 houses | 40 houses |
| 5 | Number of trips per day per vehicle | 2 trips | 3 trips | 4 trips |
| 6 | Time required per trip for up and down of collection vehicle to transfer the waste | 15 min | 20 min | 25 min |
| 7 | Total time needed for transferring the waste in a day | 30 min | 60 min | 100 min |
| 8 | Time required for door to door collection in day | 300 min | 270 min | 230 min |
| 9 | Time required for collection of waste from each household | 3 min for 10 households | 9 min for 10 households | 14 min for 10 households |
| 10 | Time required for each trip including up and down to the secondary storage container | 2 hr 45 min | 1 hr 35 min | 1 hour |
| 11 | Pourakarmikas required per vehicle | 1 worker | 1 worker | 1 worker |
| Morni | ing from 5:30 am to 6:30 am, the vehicles have to o | collect the wet w | aste from the b | ulk generators. |
| Afterr | noon from 1:30 pm to 4:30 pm, the vehicles will of | collect dry waste | e from the both | residential and |

commercial area in a zone wise manner.

area

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Table 17: Ward wise distribution of primary collection vehicle

| SNo. | | No.of households | Vehicles deploye | | eployed |
|------|--|---------------------|------------------|----|---------|
| | Command area | No.of househo | AT | 7C | PC |
| 1 | Adarshanagar, Banjaracolony (E) , Gurupadeshwaranagar | 1000 | 1 | | |
| 2 | Banjaracolony (w), K.C.Nagar, Sreenagar | 800 | | 3 | |
| 3 | Ashram , Neelanagar, Mallikarjun nagar, PNT quarts | 1100 | 1 | | |
| 4 | Gachinakatticolony, Pragathinagar, Kalyannagar | 965 | | 4 | |
| 5 | KHBcolony,Rajendranagar, Bankcolony | 1000 | 1 | | |
| 6 | Ayyappanagar,Treasurycolony, Kulkarnilayout,Nimbargilayout, Narasimhacolony,DTI | 500 | | 2 | |
| 7 | Darga, Afzalpurtakke | 900 | | 3 | |
| 8 | Bairavnagar,Freedomfighterscolony,Buthada colony,Lidkarcolony,Basavnagar, Akashvani | 950 | 1 | | |
| 9 | Shapuragasi,beedigalli,gavaligalli* | 1100 | | | 1 |
| 10 | Bavasaarnagar, Shakthnagar | 1200 | | 4 | |
| 11 | Policehead Qrts | 500 | | 2 | |
| 12 | Gyangbowdi,Shindecolony, Jayanagarcolony | 975 | | 4 | |
| 13 | Sangameshwaracolony, KSRTC colony, Nehrunagar | 1000 | | 4 | |
| 14 | Hoogaarthota | 400 | | 2 | |
| 15 | Navigalli,Bangargalli,Hiremattoni,Mallianaoni Munjannigalli, NavadagiTota* | 1000 | | 4 | 2-4 |
| 16 | Kanakadaasalayout,Pulikeshinagar, Ganeshnagar | 500 | | | |
| 17 | Keerthinagar,SR colony KKcolony,Viveknagar(E) | 1000 | 1 | | |
| 18 | Jalanagar, Viveknagar(W) | 1000 | 1 | | |
| 19 | Ibrahimpur,laxminagar,venkateshnagar, Vajrahanumaannagar | 1000 | | 4 | |
| 20 | Rajajinagar,Ramnagar,Navraspurcolony | 1000 | 1 | | |
| 21 | KSRTC colony,Raghavendracolony | 200 | | 1 | |
| 22 | Vidyanagar, Murankeri, Shantinikethan | 1000 | | 4 | |
| 23 | Kamaankhanbazarroad, Astapelbunglow, Bagaythgalli* Haveligalli, Kaadigramodyog, Sakaafroja | 1000 | | 2 | 5-7 |
| | Alikroja, Hallilayout | | | | |
| 25 | Navbagh,Suhaagmantap,Judgebunglow, | 1000 | | 4 | |
| 26 | Tazbowdiroad, Jamkanegalli, Fortwallroad Godbolemala, Ajrekar Chala, Mirdegsalli | 1000 | | 4 | |
| 27 | Ward 2* | 1250 | | 4 | 8-9 |
| 28 | AzadRoad,RammandirRoad,SS Road, Mahaaveer Road | 1000 | 1 | | |
| 29 | MGRoad,Nehrumarket,Shastrimarket, JainMandirRoad | 1000 | 1 | | |
| 30 | IndiRoad,KabrajiBazarRoad,BukarimasjidRoad, BarakamanMarket,GurukulRoad,Bangarimatt | 1000 | | 4 | |
| 31 | Matpathigalli | 600 | | 3 | 10 |
| 32 | Inamdarcolony,AnandHospital,VijayacollegeRoad, BLDERoad | 1000 | | 4 | 1.0 |
| 33 | Shahapet area,Sunagaragalli,CMC colony* | 300 | | | 11-12 |
| 34 | Ganeshnagar,Kaaviplot,HaashimpeerdargaRoad, Gyanilayout,Madhuvan | 1000 | | 4 | |



| 35 | Deshpandecolony, Divatagerigalli, Sundaeshwara | 1000 | | 3 | |
|----|--|------|---|----|----|
| | temple | | | | |
| 36 | Asar road, Badikaman | 550 | | 2 | |
| 37 | Subashcolony, Chapparbandgalli, Julygalli | 500 | | 2 | |
| 38 | JMRoad, Shaikcolony* | 1000 | | | 13 |
| 39 | Gandhinagar,Indl area | 250 | | 1 | |
| 40 | ButhnalThanda | 500 | | 2 | |
| 41 | Yogapur,Hamalacolony,Rambhapur,* | 1000 | | | |
| | Muneshwarabadaavane, | | | | 14 |
| 42 | Kalebagh, BaraakotriThanda | 500 | | 2 | |
| 43 | Ward-6,petibowdi,HousingBoard | 800 | | 4 | |
| | Total | | 9 | 90 | 14 |

^{*} DTDC through ULBs



4.4.1 Waste Collection from bulk generators

Number of hotels = 25 no's.

Number of hostels = 10 no's

Number of commercial complex = 25

Number of Kalyana Mantapas = 32 no's

4.4.2 Waste collection from Kalyana Mantapa

Waste from kalyana mantapas will be collected by the operator of primary collection of the respective area. The authorities of the kalyanamantapas will inform the ULB about functions in advance. who in turn will inform the collectiongroup. The waste will be collected in the evening between 3:00pm -5:00pm.

no's

4.4.3 Waste Collection from High Raise Buildings

The authorities of the hostels, institutions and high rise buildings will be convinced to process the wet waste on their own. Wherever this is not possible, the collection group will do the waste collection as per the prescheduled time.

4.4.4 Waste collection from resorts and hotels

The authorities of the hostels, institutions and high rise buildings will be convinced to process the wet waste on their own. Wherever this is not possible, the collection group will do the waste collection as per the prescheduled time.



4.4.5 Collection of construction waste and dead animals

Construction waste will be collected by the operator of the respective area for street sweeping as per the directions of CMC officer. Who will be informed in advance by the generator of the construction waste. The generator of the waste will be charged for this service on per trip basis. The operator will remove the waste within 3days of receiving information from the CMC officer.

4.4.6 Waste collection commercial complex

In major commercial areas like kirana bazar, Saraf bazar, Shasthri market, Indi road, KC market, office road, MG road, TSTarea, Azad road where the waste generated has major composition as inorganic, combustible dry waste it will be collected by the CMC or SHG between 8:30 am -- 12:30 pm.

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5. SecondaryStorage

As per SWM State Policy, Carrying capacity of the various secondary storage containers are;

 3 m^3 - 1.2 tonnes 4.5 m³ – 1.8 tonnes

These containers should be placed in 25:75 ratios

| Source | No. | Wet waste to be collected in secondary containers (in TPD) |
|---------------|-------|--|
| House holds | 56098 | 51.20 |
| Commercial | 4854 | 00.50 |
| Markets | 9 | 08.00 |
| Hotels: small | 289 | 01.50 |
| big | 25 | 01.00 |
| | Total | 62.20 |

Total quantity of waste generated = 93 tonnes per day

Total quantity of wet waste generated in the city = 62 tonnes

Total wet waste to be collected in secondary storage containers = 62.00

With 25% excess, wet waste =78 .00 tonnes(say x)

Total number of containers required for wet waste storage =

78/1.5 = 52 (say Y)

Total no. of 4.5 m³ & 3m³ containers required for wet waste storage =

Y/2 = 52/2 = 26 each

Replacement containers:

 $3 \text{ m}^3 \cdot 5$; $4.5 \text{ m}^3 \cdot 5$

Total number of containers required:

i) 3 m^3 : 31 ii) 4.5 m^3 : 31

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Table 18: Coverage area for each secondary storage bin

| Container no. | Location | households | shops | capacity m ³ |
|---------------|-----------------------------------|------------|------------|-------------------------|
| 1 | Adarshanagar, IDSMT complex | 1300 | 25 | 4.5 |
| 2 | Banjaara cross | 1000 | 30 | 3.0 |
| 3 | KHB colony park | 1050 | 30 | 3.0 |
| 4 | BLDE compound | 1250 | 30 | 4.5 |
| 5 | rahamathulla masjid,shakti nagar | 1300 | 25 | 4.5 |
| 6 | KSRTC compound, near water tank | 1300 | 50 | 4.5 |
| 7 | Gyang bowdi | 1075 | 40 | 3.0 |
| 8 | Near SP office | 1300 | 25 | 4.5 |
| 9 | Sola[ur naka, Darga road | 1000 | 35 | 3.0 |
| 10 | dargaNear jain mandir | 1075 | 20 | 3.0 |
| 11 | Bairav nagar | 1150 | 50 | 3.0 |
| 12 | Sainik School gate | 1200 | 50 | 4.5 |
| 13 | Athani road , navigalli cross | 1250 | 125 | 3.0 |
| 14 | Police head qrts gate | 1200 | 100 | 4.5 |
| 15 | Babaleshwar naka | 1350 | 100 | 4.5 |
| 16 | Shahapur agasi gate | 1200 | <i>7</i> 5 | 3.0 |
| 17 | MR hotel | 600 | 600 | 3.0 |
| 18 | Kori chowk | 1250 | 275 | 4.5 |
| 19 | Near amir talkies | 1100 | 150 | 3.0 |
| 20 | Keerti nagar, Near park | 1250 | 45 | 4.5 |
| 21 | Zendakatte | 1100 | 65 | 3.0 |
| 22 | Jalanagar, water tank | 1350 | 150 | 4.5 |
| 23 | Mangooli road, Nr Ayurved college | 1000 | 45 | 3.0 |
| 24 | Bagalkot cross, astapei bunglow | 1100 | 150 | 3.0 |
| 25 | Bagalkot road, next to SP office | 1000 | 35 | 3.0 |
| 26 | Venkatesh nagar,laxmi temple road | 1200 | 32 | 4.5 |
| 27 | Vajrahanuman nagar, railway gate | 1100 | 35 | 3.0 |
| 28 | Sindagi road ,near bridge | 1370 | 45 | 4.5 |
| 29 | Near pearl hotel | 1350 | 45 | 4.5 |
| 30 | Near court complex, bagalkot road | 1000 | 55 | 3.0 |
| 31 | Gyarage dust bin | 1300 | 50 | 4.5 |
| 32 | Urdu school 4 | 1000 | 40 | 4.5 |
| 33 | Meenaakshi chowk | 900 | 200 | 3.0 |
| 34 | Taz bowdi | 1250 | <i>75</i> | 4.5 |
| 35 | Shahapet circle | 1250 | 75 | 4.5 |
| 36 | Near sericulture office | 1000 | 125 | 3.0 |
| 37 | Pragathi nagar | 1000 | 45 | 3.0 |
| 38 | Gachinakatti colony | 1300 | 25 | 4.5 |
| 39 | Lingad road | 980 | 20 | 3.0 |
| 40 | Apmc market | 1400 | 30 | 4.5 |
| 41 | Inamdar colony | 1200 | 35 | 4.5 |
| 42 | Near arcot darga | 1200 | 20 | 4.5 |
| 43 | Behind darbar school | 1050 | 05 | 3.0 |
| 44 | Nehru market | | market | 4.5 |
| 45 | Bara Kaman compound | 150 | -"- | 3.0 |
| 46 | Upplibruz | 900 | 250 | 3.0 |
| 47 | Ashram | 1000 | 10 | 4.5 |
| 48 | Kanakadaa layout | 1000 | 15 | 3.0 |
| 49 | Ayyappa nagar. Near ring road | 1000 | 10 | 3.0 |
| | | | | |
| 50 | Nav bagh road | 900 | 250 | 4.5 |
| 51 52 | Near gadekar printers | 1000 | 200 | 4.5 |
| | Near B.D.O. Quarters | 1000 | 10 | 3.0 |



Distance between the

5.3 Placement of

Litterbins

As per the State Policy for SWM, 40 lit capacity litterbins can be placed in the commercial areas. Places where littering is too high, 170 lit capacity litterbins can be placed.

The litter bins will be placed at the commercial complexes and on the commercial roads at an interval of 100 – 500 m as per requirement. The waste from litter bins can be emptied in to a basket by tilting it. The litter bins will be fixed on an axis with fixed supports on concrete platform. As the litter bins are meant for dry inert waste they can be carried directly to the low lying area.

Total number of litterbins (87.5 ltr) to be procured by the ULB = 50.

Clearance method

Number of

Locations

Table 19: location and number of litterbins required in the city or town.

| Locations | litterbins of capacity | Glearance method | litterbins (m) |
|--------------------|------------------------|------------------------|----------------------|
| | 87.5 ltr | | |
| Near temples | 08 | During street sweeping | Each temple |
| Shopping complex | 08 | During street sweeping | One at each entrance |
| Commercial streets | 10 | During street sweeping | 100 m |
| Tourist places | 5 | During street sweeping | Each place |
| Bus stops | 4 | During street sweeping | >500m |
| Gov. institutes | 5 | During street sweeping | Each institute |
| Public places | 5 | During street sweeping | as per requirement |
| Total | 45 | | |

Transportation of waste

As per MSW Rules 2000, the waste in secondary storage containers is proposed to transport using twin container dumper Placer, to the processing units or to the final disposal, depending upon the type of waste. A twin dumper placer can transport 2 numbers of 3 m³ or 4.5 m³ containers or in combination. It can handle a live load of over 4000 Kg and 6000 Kg. This vehicle will start with two empty containers of both 3 m³ or 4.5 m³ container or in combination and shall place the empty containers properly in the secondary storage points with shutters open for use and lift the filled containers which in turn will be transported to land fill site having an area of 33.5 acres located at Indi Road , Mahalbagayath R .S. N. 138 & 139.

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Source for the data: Office of the CMC

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^{*} purchased by CMC fund.



Total number of containers to be carried: 3 m³: 26no's

4.5 m³: 26 no's

Number of trip a dumper placer can do in a day= 5 trips/ day
(As per the field experience, i.e. distance to be traveled by each vehicle till the landfill site)

For cities above one lakh population:

Number of containers cleared / vehicle = 2 Number of trips done by secondary transportation vehicles = 5Number of containers cleared / trip = 5^* 2 = 10 Number of dumper placers required = 52/10 = 5

Requirement of workers for the transportation of waste:

One driver and one cleaner with each dumper placer.

Management: Wet waste should be carried to the compost pit built with in the landfill site. Dry waste collected by the auto tippers should be transferred to the tractors, which will further carry it to the landfill site. These tractors should cover its top with the tarpaulin to avoid littering.

A dumper placer can clear two containers of wet waste from two locations per trip. The processing and land filling site having 30 acres of land is at a distance of 5 km from the centre of the city.

Dry waste collected by the auto tipper will be transferred to the tractor which in turn will be transported to the recycling area, from where inerts after segregation will be taken to land fill site having an area of 33.5 acres located at Indi Road, Mahalbagayath R.S. N. 138 & 139.

As per SWM State Policy, dumper placers are proposed for cities with more than a lakh population. Tractor drawn trailers are been proposed for towns and cities with less than a lakh population.

One dumper placer can carry two 3 m^3 , 4.5 m^3 or both in combination.

One tractor drawn trailer can carry only one 3 or 4.5 m³ container.

The current page data is valid as on: 03-08-2005



Table 20: Transport plan for vehicles



| Vehicles | Type of Waste carried | Number of containers cleared | No of Trips / Day | Requirement Of Workers |
|---------------|-----------------------|------------------------------|----------------------|---------------------------|
| Dumper placer | | | | |
| DP 1 | Wet waste | 10 | 5 | 1+1 |
| DP 2 | Wet waste | 10 | 5 | 1+1 |
| DP 3 | Wet waste | 10 | 5 | 1+1 |
| DP 4 | Wet waste | 10 | 5 | 1+1 |
| DP 5 | Wet waste | 12 | 6 | 1+1 |

Total vehicles required

Dumper Placer: 05 numbers

Existing ULB's vehicular fleet

| Type of Vehicle | Vehicle Number | Owner | Works doing presently | Works allotted as per the proposed Action Plan | Requirement of workers |
|-----------------|-------------------|-------|--|---|------------------------|
| Tractor | KA 28 T 6162 | CMC | Transporting waste from community bins | Task force | 4+1 |
| Tractor | KA 28 A 3961 | CMC | do | Removing waste from street sweeping | 4+1 |
| Tractor | KA 28 A 3144 | CMC | do | do | 4+1 |
| Tipper | KA 28 5216 | CMC | do | collection of waste from villages in the outskirts of the city. | 4+1 |
| Water tanker | KA 28 G 5007 | CMC | Water supply & public urinal cleaning | Water supply & public urinal cleaning | 1+1 |
| Night-soil tank | KA 28 5215 | CMC | Night soil removal | Night soil removal | 1+1 |

The current page data is valid as on: 03-08-2005



7. Processing of waste

The waste is segregated into wet and dry waste including recyclables.

7.1 Organic waste

The best way of processing organic waste is by composting. Composting is a biological process of decomposition carried out under controlled conditions of ventilation, temperature, moisture and organisms in the waste themselves that convert waste into humus-like material by acting on the organic portion of the solid waste.

Vermi compost is another type of composting produced using Earthworms. The biodegradable waste will be partially decomposed for a period of 3 weeks and the material is then shifted to vermin pits for consumption by Earthworms. The casting of the Earthworm is the final product i.e. vermin-compost, rich in micronutrients, enzymes etc. KCDC (Hosur Road) is the major composting unit functioning very efficiently in Bangalore.

For the processing of biodegradable wet waste in to compost, & land filling of inerts the CMC, Bijapur has identified 30 acres of land in the municipal limit5 km away from the city. The wet and dry waste should be transported to this site. Karnataka Compost Development Corporation is giving the technical support and guidance for the construction and maintenance of landfill cum compost unit.

7.2 Inorganic waste

The inorganic waste should be transported for scientific landfill site. The waste collector will deposit the recyclables at the identified spots from where the contractor will pick up the useful material. Only the refuse is transported to the landfill site under the present clearance of the street sweeping system.

Table 21: Various types of recyclables present in the waste.



| Sno. | Type of Recyclable | Type of Waste |
|------|--|-----------------|
| 1 | Unbroken bottles | Glass |
| 2 | Ferrous and non ferrous components | Metals |
| 3 | Plastics sheet, piping, and plastic bags, cans and bottles. | Plastics |
| 4 | Newspapers, and packaging covers like milk covers etc and cardboard. | Paper/cardboard |
| 5 | Old tyres, and shoes | Rubber/leathers |
| 6 | Wooden logs, woody waste from garden. | Wood |

Management:

The processing unit construction and development will be outsourced on BOT basis and the designing will be done by the KCDC.

Details of Processing/land filling site:

The land is situated on the border line of municipal limit, on Indi Road, 1.0 km from the NH 13. The site has acess from the indi road. No extra development of road is required. IT has an area of 33.5 Acres in the Mahalbagayath Sno. 138 and 139, in which 3 acres has been allotted for Biomedical waste management.



8. Disposal of

waste

Wet waste:

As per the MSW -2000 rule, the wet waste, which is biodegradable is processed to obtain compost by mechanical composting or vermin composting. KCDC will provide the technical assistance and will be operated by privatesector participation on BOT basis.

Dry Waste:

Dry waste which is inert is disposed by landfilling at the landfill site as per MSW -2000 specifications. Land fill site will be operated by private sector participation on BOT basis.

Recyclables:

Recyclables obtained from the segregation will be sold to the private parties which in turn will be recycled using suitable process.

Silt from drains:

Waste from desilting of drains, Street Sweeping, Constructional Waste will be used for filling low lying areas or as soil cover in land filling.

List of low lying areas: 1. Ashram road (opp. BLDE)

- 2 . Maddinakani (Indi Road)
- 3. Jathgara kani (Indi Road)
- 4. Fortwall (kandaka)
- 5. Shikara kana kani
- 6. Vishalanagar kani

Agricultural Waste:

As this waste contains vegetation , it is processed to get compost.



ble 22: Activity chart for

SWM in a day.

| Activities | 5.30 to 6.30 | 6.30 to 7.00 | 7.00 to 9.00 | 9.00 to 10.00 | 10.00 to 11.00 | 12.00 to 1.00 | 1.00 to 3.00 | 3.00 to 4.00 | 4.00 to 5.00 | 5.00 to 6.30 |
|---|--------------------|--------------------|--------------------|---------------------|----------------------|---------------------|--------------------|--------------------|--------------------|--------------------|
| Street Sweeping | | | | | | | | | | |
| Door to Door Collection from Residents | | | | | | | | | | |
| Collection from Bulk Generators | | | | | | | | | | |
| Transportation of wet waste | | | | | | | | | | |
| Transportation of street sweeping waste | | | | | | | | | | |
| Collection and transportation of constructional waste | | | | | | | | | | |
| Cleaning of drains | | | | | | | | | | |
| Processing and Disposal | | | | | | | | | | |

9. Institutional Arrangement

Table 23: ULB's present manpower working as SWM staff in the ULB.



| Present staff for SWM | Number (Permanent) | Number (contract) |
|-----------------------|-----------------------|----------------------|
| Workers | 161 | 140 |
| Drivers | 02 | 08 |
| Cleaners | | |
| Supervisors | 09 | |
| Inspector | 07 | |
| Engineer | | 01 |



Table 24: ULB's manpower deployment for the proposed SWM plan.

| Sector | | Proposed deployment of the Sanitary Staff in RRN CMC | | | | | | | | |
|---|----------------------|--|--------|------------|----------------------------|-----------------------------|-------------------------------|--|--|--|
| | Workers | Cleaners | Driver | Supervisor | Senior Health Inspector | Junior Health Inspectors | Environme ntal Engineer | | | |
| Total | 161 | | | 9 | 3 | 3 | 1 | | | |
| Absenteesm (7 %) | 11 | | | | | | | | | |
| Door to door collection | 42 | - | - | | | | | | | |
| *Task work 1 (peons , oldage etc) | 20 | | | 3 | 1 | 1 | | | | |
| Task work 2** water supply UGD Public toilet / urinal Spraying insectisides | 04 10 06 08 | | | | | | | | | |
| Task force for SWM (encroachment, open area, park cleaning, dead animal, emergency) | or SWM | | 3 | 1 | 1 | 1 | | | | |
| Street sweeping | 47 | | | | | | | | | |
| Transportation of secondary storage bins | | | | 3 | 1 | 1 | | | | |
| Transportation of street sweeping waste | 04 | | | | | | | | | |



Note: The above given details are of ULB's staff

In slums outsourcing of public toilets is not sustainable & they are far from each other single PK can clean maximum 2 toilets a day, plus near by urinals.

Four PK's appointed on compensation basis were deployed for water supply from the beginning redeployment under SWM wing will not give expected efficiency.

Source for the data: Office of the CMC

^{*} At present about 10 PK's were deployed as peons in office, Deputy commissioner's residence, commissioner's residence, DUDC office etc & more than 10 in their retiring age.

^{**} As UGD system in the city was designed in 70's to meet the requirements of 1.9 lakh people, on an average of 10 to 20 UGD complaints will be received in a day, which are to be attended on emergency basis.



9.1 Organizational Structure (SWM)

Every day Mustering of the PK's will be done by sanitary supervisors under the supervision of health inspectors in turn by environmental engineer. Street sweeping will be done as per the schedule. The complaints regarding UGD, miscellaneous ,from help line will be conveyed to concerned staff and deployment of UGD team will be done accordingly. The daily report of supervisors, inspectors will be submitted to Environmental engineer in turn to the commissioner.

9.2 Monitoring of operation

Flow chart showing the hierarchy of solid waste management division.

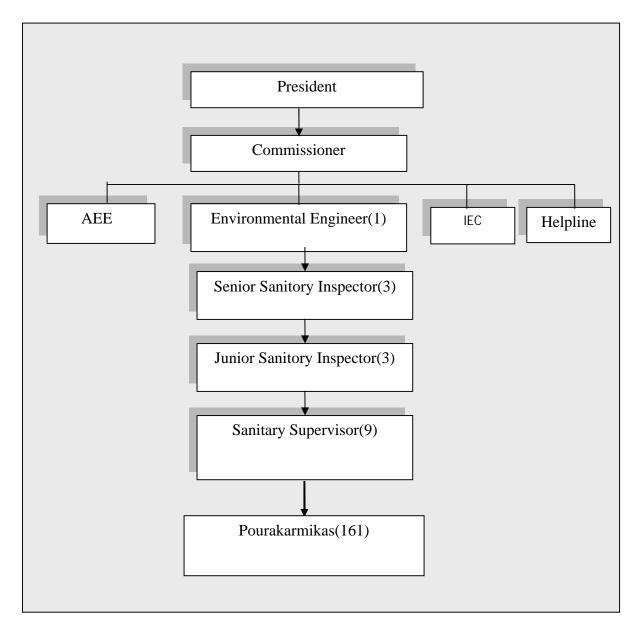


Table 25: Allocation of work for the supervising staff.



| SWM Staff in charge | Role |
|----------------------------------|---|
| Health Officer | Supervision of the overall SWM activity |
| Environmental Engineer 01 number | Supervising the overall SWM activity |
| Health Inspectors: 06 numbers | |
| Health Inspector 2 | Supervising the daily waste collection, street sweeping and transportation operation of SWM in wards – 1, 9& 10 |
| Health Inspector 1 | Supervising the daily waste collection, street sweeping and transportation operation of SWM in wards –2, 3 & 4 |
| Health Inspector 2 | Supervising the daily waste collection, street sweeping and transportation operation of SWM in wards – 5, 6 & 7 |
| Health Inspector 1 | Supervising the daily waste collection, street sweeping and transportation operation of SWM in wards – 8 |
| Supervisor: 09numbers | |
| Supervisor (each) | Monitoring the activities of PK's. |

9.3 Working schedule of workers

Street Sweeping: 6: 00 am to 9:30 am and 1:30 pm to 5: pm

Door to door waste collection: 6:30 am to10:30am

Transportation of waste: 6:30 am to 4:30 pm

At Landfill site; 9:00am to 6:00pm

Arrangement of holidays for ULB's SWM staff:

For primary collection: For every 6 vehicle 1 pair of staff working on each vehicle on each day for which the regular staff will have the holiday.

For transportation and landfill unit: The staff will be deployed so that each staff will get a holiday.

Common holidays for all the sectors: No common holiday for all the sectors.

10. Financial Arrangement



The financial requirements are proposed to beworked under two components.

1. Capital cost

2. Recurring cost

Table 26: Briefing the annual expenditure of the ULB from past 3 years for SWM.

| Particulars | 2002 | -2003 | 2003 | -2004 | 2004-2005 | | | |
|---|-----------------------|-------------------------|-----------------------|-------------------------|----------------------|-------------------------|--|--|
| | Provision (Rupees) | Expenditure (Rupees) | Provision (Rupees) | Expenditure (Rupees) | Provision (Rupees | Expenditure (Rupees) | | |
| Dustbins and pushcarts (repairs and purchasing) | 75000 | 75000 | 225000 | 225000 | 650475 | 650475 | | |
| Equipments | 281397 | 281397 | 445383 | 445383 | 272969 | 272969 | | |
| Construction and Desiltation of drains | 1616550 | 1616550 | 1850482 | 1850482 | 1758279 | 1758279 | | |
| Repair of the existing vehicles | 37197 | 37197 | 50000 | 50000 | 50000 | 50000 | | |
| Salary for SWM staff | 16136238 | 16136238 | 13667866 | 13667866 | 22322981 | 22322981 | | |
| Pensionary contribution | 712208 | 712208 | 637137 | 637137 | 542695 | 542695 | | |
| insurance and fuel(for all the vehicles) | 376455 | 376455 | 949791 | 949791 | 880203 | 880203 | | |
| Miscellaneous | 24000 | 24000 | 30000 | 30000 | 30000 | 30000 | | |
| Total | 19259045 | 19259045 | 20855659 | 20855659 | 26507602 | 26507602 | | |

Average recurring cost born by

the ULB from past 3 years

= Rs. 22207435.00



10.1 estimation of capital cost for proposed action plan

| Sno | Particulars | Quantity | Rate (in Rs) | Amount (in Rs) |
|-------|--|----------|---------------------------------|----------------|
| Α | Street sweeping | | | |
| | | | | |
| | Pushcart | 24 | 5000 | 120000 |
| | Sub Total | | | 120000 |
| В | Primary collection | n | | |
| 1 | Auto tipper (CMC) | | | |
| 1.2 | Auto tipper (SHGs) | 9 | 2,10,000 | 1890000 |
| 2 | Pushcarts(CMC) | 14 | 6,500 | 91000 |
| 2.2 | Pushcart(SHGs) | | | |
| 3 | Tricycles (CMC) | | | |
| 3.2 | Tricycle (SHGs) | 90 | 14,702 | 1323180 |
| | Sub Total | | | 3304180 |
| B.1 | Litterbins | | | |
| 1 | Litter bins of 87.5 lit | 45 | 3320 | 149400 |
| | Sub Total | | | 149400 |
| С | Secondary stora | | | |
| 3 | Containers of 3 cubic meter capacity | 31 | 35,000 | 1035000 |
| 4 | Containers of 4.5 cubic meter capacity | 31 | 40,000 | 1240000 |
| 5 | Construction of PCC platform, for placing containers on it | 52 | 7500 | 390000 |
| | Sub Total | | | 2665000 |
| D | Transportation | | | |
| 1 | Twin container Dumper Placer | 5 | 850000 | 4250000 |
| E | Processing and disposal | | To be Tendered out on BOT basis | |
| | Sub Total | | | 4250000 |
| Grand | d Total | | | 10488580 |

Table 28: The estimated capital cost.

The current page data
Source for the data: Office of the is valid as on: 26/04/05

CMC





10.2 Estimates of annual recurring cost for Bijapur CMC

| SNo | | Amount (in Rs) per month | Amount per year | |
|--------|---|--------------------------------|--------------------|----------|
| 1 | Salaries of the SWM staff inclu | 1327977 | 15935724 | |
| 2 | Maintenance of secondary sto | rage, litterbins and PCC slab | | 50000 |
| 3 | Maintenance of dumper placer | rs@Rs.1000.00 | 5000.00 | 60000 |
| 4 | Maintenance of the existing tra | ctors @Rs.750.00 | 3000.00 | 36000 |
| 5 | Conducting meetings and awa | reness programme | 24000.00 | 288000 |
| 6 | Uniforms for workers @ the ra | ate of 500Rs for 161workers | • | 80500 |
| 7 | Fuel charge | | 50000.00 | 600000 |
| 8 | Contract charges for | | 185050.00 | 2220600 |
| | All the packages for Street swe | | | |
| 9 | Tipping cost at landfill site @ F | Rs 250 per ton of waste | 250*91 | 22750 |
| 10 | Cost of treatment and landfill s | ite @ Rs. 400 per ton of waste | 400*91 | 36400 |
| Street | sweeping | | | |
| 11 | Long handle brooms with 3 months once replacement | 207* 148.00 | | 30636 |
| 12 | Metal scraper with 6 months once replacement | 103* 150.00 | | 15450 |
| 13 | Metal tray with 6 month once replacement | 103* 100.00 | | 10300 |
| 14 | Gloves with 4 month once replacement | 155* 40.00 | | 6200 |
| 15 | Baskets with one year once replacement | | 10400 | |
| | Total | | | 19402960 |
| 16 | Miscellaneous say 5% | | | 970148 |
| | Grand Total | | | 20373108 |

Table 27: The proposed annual recurring cost of SWM for the ULB.

Percentage savings : Average recurring cost - annual recurring cost

: Rs. 22207435.00 - Rs. 20373108.00

: 8.2%

The current page data
Source for the data: Office of the is valid as on: 26/04/05

CMC



11. Collection of User Charges

Collection of user charges as fixed by the GO: UDD 23TCT 2004 Bangalore dtd. 06.01.2005 is approved in the council dated 17/06/05. Resolution No.: 224(5)

| Sl.No. | Waste Generator | User Charges |
|--------|--|--------------|
| 1 | Residential | |
| | a) < 1000 Sq.Ft. | Rs. 10 |
| | b) > 1000 Sq.Ft. | Rs. 15 |
| 2 | Commercial | |
| | a) $< 1000 \text{ Sq.Ft.}$ | Rs. 30 |
| | b) > 1000 Sq.Ft. | Rs. 75 |
| 3 | Industrial | |
| | a) $< 1000 \text{ Sq.Ft.}$ | Rs. 75 |
| | b) > 1000 Sq.Ft. | Rs. 100 |
| 4 | Hotels, * Choultries and Nursing Homes | |
| | a) < 10,000 Sq. Ft. | Rs. 250 |
| | b) > 10,000 Sq. Ft | Rs. 300 |

^{*} Additional charges of Rs. 200/- will be collected for each Marriage & Reception.

CMC

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STREET SWEEPING SHEDULE

| aÁ.£ÀA.1 | | | | | | | | | | | |
|-----------|-----------------------------------|-------------|----------------|----------------------|--------|-----|-----|-----|-----|-----|--|
| C.£ ÀA | NtÂAiÀÄ ºÉ¸ÀgÀÄ | GzÀÝ «ÄÃ | CUÀ ® Cr | Staff su | in mon | tue | wed | thu | fri | sat | |
| 1 | PÉ.Jͺï.Cgï.n.¹. PÁ®¤ | 2000 | 40 | Pk _{1,2} | В | | | В | | | |
| 2 | dAiÀÄ£ÀUÀgÀ PÁ®¤ | 1000 | 40 | Pk ₁ | | В | | | В | | |
| 3 | UÁåAUÀ"ÁªÀr | 1500 | 40 | Pk ₁ | | | В | | | В | |
| 4 | DzÀ±Àð£ÀUÀgÀ | 6000 | 40 | Pk ₃₋₈ | | В | | | В | | |
| 5 | l&n PÁélgÀì ªÀİèPÁdÄð£À £ÀUÀgÀ | 3000 | 40 | Pk ₃₋₅ | В | | | В | | | |
| 6 | §AeÁgÀ £ÀUÀgÀ, PÉ.¹.£ÀUÀgÀ | 6000 | 40 | Pk ₃₋₈ | | В | | | В | | |
| 7 | C¥sÀd®¥ÀÇgÀ Lpéì | 2000 | 30 | Pk ₉₋₁₀ | C | | | | | | |
| 8 | SÁeÁC«ÄãÀ zÀUÁð | 2000 | 30 | Pk ₉₋₁₀ | | С | | | | | |
| 9 | MÉægÀhÄj PÁ®¤ CaiÀÄå¥Àà £ÀUÀgÀ | 3000 | 40 | Pk ₉₋₁₀ | | | С | | | | |
| 10 | ^a ÀiÁgÀÄw £ÀUÀgĂ | 2000 | 40 | Pk _{9,10} | | | | С | | | |
| 11 | ¤A§gÀV ¯ÉÃOmï | 2000 | 40 | Pk _{9,10} | | | | | С | | |
| 12 | ZÁ®ÄPÀå £ÀUÀgÀ | 3000 | 40 | Pk ₆₋₈ | В | | | В | | | |
| 13 | ¸ÀzÁ²ªÀ £ÀUÀgÀ | 1500 | 40 | Pk _{8,10} | | | В | | | В | |
| 14 | PÉ.JZï.©. PÁ®¤ | 3750 | 40 | Pk ₁₉ | | | В | | | В | |
| 15 | ¨sÀÆvÀ£Á¼À vÁAqÁ | 1550 | 25 | Pk ₂₀ | | D | | | | | |
| 16 | UÀĪÀiÁ¸ÀÛ PÁ®¤ | 1250 | 40 | Pk ₁₈ | | | | | | С | |
| 17 | UÀªÀ½ UÀ°È | 600 | 25 | Pk ₁₆ | В | | | В | | | |
| 18 | ¥ÀmÉî UÀ°è | 750 | 20 | Pk ₁₇ | В | | | В | | | |
| 19 | °À¼É PÀÄA¨ÁgÀ | 2000 | 20 | Pk _{15, 16} | | В | | | В | | |



| -00 | | 1,500 | 20 | DI | Т | | 1 | ъ | | |
|----------|---|--------------|----|-----------------------------------|--|-------|-----|-----|-------|-----|
| 20 | UÁåAUÀ"ÁªÀr, UÉÆAzÀ½ UÀ°è | 1500 | 20 | Pk _{15, 16} | В | | | В | | |
| 21 | aÀÄÄ ⁻ ÁèaÀĹâ, | 1000 | 20 | DI- | | В | | | В | |
| 21 | «AAA Ae"AA'A¢, ͺÉÆÃ⁻Á¥ÀÇgÀ £ÁPÁ | 1000 | 20 | Pk ₁₇ | | В | | | В | |
| | aÀädUÁgÀ NtÂ | | | | | | | | | |
| 22 | J.ï.l. ClüÃ,À »AzÉ | 1000 | 20 | Pk ₁₅ | | | В | | | В |
| 22 | UÉÆ®ègÀ NtÂ | 1000 | 20 | F K ₁₅ | | | В | | | В |
| 23 | ±ÀºÁ¥ÀÇgÀ CUÀ¹-ªÀÄįÁè | 600 | 20 | Pk ₁₂ , ₁₃ | В | | | В | | |
| 20 | ^a ÀĹâªÅgÉUɸÀA¢UÀ¼ÀÄ | 000 | 20 | 1 K ₁₂ , ₁₃ | | | | | | |
| 24 | ÉÆÃ Á¥ÀÇgÀ £ÁPÁ- | 600 | 20 | Pk ₁₂ , ₁₃ | В | | | В | | |
| | PÀ-Á® UÀ°È | 000 | 20 | 1 112,13 | | | | | | |
| | ^a ÀÄgÀUÀ ^a ÀÄä£À UÀÄr | | | | | | | | | |
| 25 | eÉÃr UÀ°è CUÀ ÀgÀ NtÂ | 1000 | 20 | Pk ₁₆ | | | В | | | В |
| 26 | qÉÆÃgÀUÀ°è PÀ¯Á®UÀ°è | 1000 | 20 | Pk ₁₇ | | | В | | | В |
| 27 | ¤Ãj£À mÁåAPÀ ªÀPÀð±Á¥À | 600 | 50 | Pk ₁₄ A | A | A | A | A | A | A |
| 28 | ¤eÁªÀÄĢݣÀ zÀUÁð L¸ï | 500 | 25 | Pk ₁₂ | | В | | | В | |
| | ¥ÁåPÀÖj | | | | | | | | | |
| 29 | PÀÄA ÁgÀ UÀ°è | 600 | 20 | Pk ₁₃ | | В | | | В | |
| | E£ÁªÀÄzÁgÀ nÃZÀgÀ | | | | | | | | | |
| | ^a ÀÄ£É AiÀļÀªÉÄð QgÁtÂ | | | | | | | | | |
| | CAUÀr | | | | | | | | | |
| 30 | UÁåAUÀ"ÁªÀr gÀ¸ÉÛ, | 600 | 40 | Pk ₁₂ | | | В | | | В |
| | ¥ÉÇð,À PÀè¨ï ¢Á⁻ ï zÁgÀ | | | | | | | | | |
| | °ÉÆÃMÉî | 500 | 40 | 701 | | | - | | | |
| 31 | UÁA¢ü±Á¯É, dAiÀÄ£ÀUÀgÀ, | 600 | 40 | Pk ₁₂ | | | В | | | В |
| | £ÁAiÀÄPÀ ºÁ¹àl⁻ï | 1500 | 40 | DI | | | | | - | |
| 32 | ^a ÀÄAdÄ£ÁxÀ £ÀUÀgÀ | 1500 1000 | 40 | Pk ₁₈ | В | | | D | С | |
| 33 34 | ZÁ®ÄPÀå £ÀUÀgÀ ²æÃ£ÀUÀgÀ | 1000 | 40 | Pk ₁₁ | В | В | | В | В | - |
| 35 | gÁeÉÃAzÁæ PÁ®¤ | 1000 | 40 | Pk ₁₁ | | В | В | | В | В |
| 36 | ¥ÉÇð,À ªÀ,ÀwUÀȺÀ | 1000 | 25 | Pk ₁₁ | | | В | C | | В |
| 37 | ¥ÉÇð¸À ªÀ¸ÀwUÀȺÀ | 1000 | 25 | Pk ₁₈ | - | | | | C | _ |
| 38 | D®PÀÄAmÉ £ÀUÀgÀ | 1000 | 40 | Pk ₁₈ Pk ₂₃ | | | С | | | _ |
| 39 | £ÉºÀgÀÄ £ÀUÀgÀ | 1000 | 40 | Pk ₂₃ | 1 | С | 1 | | | |
| 40 | ÀAUÀªÉÄñÀégÀ PÁ®¤ | 1500 | 40 | Pk ₂₃ | С | | | + | + | |
| 41 | ±ÁAw£ÀUÀgÀ | 1500 | 40 | Pk ₂₃ | | | 1 | + | + | С |
| 42 | ŢĔĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸ | 1000 | 60 | Pk ₂₃ | A | A | A | A | A | A |
| 42 | gÀ ÉÛ | 1000 | 00 | 1 K ₂₁ A | Α | Δ. | Α | | Λ | ^ |
| 43 | CxÀt ªÀÄÄRå gÀ ÉÛ | 1000 | 50 | Pk ₂₂ A | A | A | A | A | A | A |
| 70 | On the found griged | 1000 | 50 | 11.22 11 | 1 4 3 | 1 4 3 | 4.1 | 4.1 | 1 4 4 | 4.3 |



| | | aÁ.£ | EÀA. | 2 | | • | | • | | | |
|--------|---|-------------|------------|-------------------|-----------------|-----|-----|-----|-----|-----|-----|
| C.£ÀA. | NtÂAiÀÄ ºÉ¸ÀgÀÄ | GzÀÝ «ÄÃ | CUÀ® Cr | | Sun | Mon | Tue | Wed | Thu | Fri | sat |
| 1 | G¥Àà° §ÄgÀÄdĤAzÀ «Ä®£À ªÉÄrPÀ¯ï ¸ÉÆÖÃgÀì | 260 | 40 | | Pk ₁ | A | A | A | A | A | A |
| 2 | ¸ÁAVèÃPÀgÀ ªÀģɬÄAzÀ £ÁªÀzÀV ªÀģɪÀgÉUÉ | 100 | 25 | Pk ₅ | | | | В | | | В |
| 3 | °À£ÀĪÀÃAvÀ UÀÄr¬ÄAzÀ ©.r.E. ,ÉÆ,ÉÊn ªÀgÉUÉ | 100 | 25 | Pk ₅ | | | | В | | | В |
| 4 | ¸ÁAUÀ°PÀgÀ ¸ÀA¢ | 50 | 10 | Pk ₅ | | | | В | | | В |
| 5 | JªÀiï.f.gÀ¸ÉÛ¬ÄAzÀ ±ÁºÀÄ£ÀUÀgÀ gÀ¸ÉÛªÀgÉUÉ | 150 | 20 | Pk ₁ A | | A | A | A | A | A | A |
| 6 | ®QëöäÃUÀÄr¬ÄAzÀ ²ªÁf ªÀÈvÀÛªÀgÉUÉ | 300 | 60 | Pk ₁ | | A | A | A | A | A | A |
| 7 | ®Qëöäà UÀÄr¬ÄAzÀ £ÁªÀzÀV ¸ÀA¢ «oÀ×®ªÀÄA¢gÀ gÀ¸ÉÛ | 100 | 10 | Pk ₅ | | | | В | | | В |
| 8 | ¥ÉÆÃ° À PÀĖTĮĀA¢ U˽AiÀÄgÀ ªÀģɸÀA¢¬ÄAzÀ £ÀgÀ¸Á¥ÀÆgÀ zÀªÁSÁ£É | 300 | 20 | Pk ₅ | | | | В | | | В |
| 9 | qÉÆgÀªÉ UÀ°è¬ÄAzÀ ²ªÁf ±Á¯É »A¢£À ¸ÀA¢ | 100 | 15 | Pk ₅ | | | | В | | | В |
| 10 | ^{2a} Áf PÁæ¸ï JqÀUÀqɸÀA¢ & PÀ£ÀÆßgÀ | 120 | 15 | Pk ₅ | | _ | | В | | | В |

Source for the data: Office of the CMC



| | zÀªÁSÁ£É ÀA¢ | | | | | | | | | | |
|----|---|-----|----|-------------------|-----------------|---|---|---|---|---|---|
| 11 | ²ªÁf §®UÁqÉ ¸ÀA¢ ªÀÄoÀ ¸ÀA¢ | 170 | 15 | Pk ₅ | | | | В | | | В |
| 12 | ²ªÁf¸ÃPÀð®¤ÁzÀ G¥Àà°§ÄgÀd PÁæ¸ï | 200 | 50 | | Pk ₁ | A | A | A | A | A | A |
| 13 | ^{2a} Áf ±Á ⁻ É | 140 | 80 | Pk ₅ | | В | | | В | | |
| 14 | ^a ÀÄİPÀ ^a ÉÄÊzÁ£À ¸ÀA¢ | 50 | 15 | Pk ₅ | | В | | | В | | |
| 15 | ¥ÉÆÃ° À PÁélgÀì | 100 | 20 | Pk ₅ | | В | | | В | | |
| 16 | ,ÀPÁðj ^a ÀÄgÁp PÀ.UÀA.ªÀÄ> ±Á¯É | 120 | 30 | Pk ₅ | | В | | | В | | |
| 17 | feÁ ªÀiÁvÁ ±Á¯É | 120 | 30 | Pk ₅ | | В | | | В | | |
| 18 | ©.r.E. ÉÆ ÉÊn ªÀĺÁ «zÁå®AiÀÄ | 120 | 70 | Pk ₅ | | В | | | В | | |
| 19 | ZÀAZÁ ⁻ ÁªÁr zÀªÁSÁ£É | 120 | 40 | | Pk ₄ | A | A | A | A | A | A |
| 20 | ZÀAzÁ¨Á« GzÀÄð ±Á⁻É | 100 | 15 | Pk ₅ | | В | | | В | | |
| 21 | eÁ£ÀªÉÃPÀgÀ vÀmÉÖ §AiÀÄ®Ä | 100 | 10 | Pk ₅ | | | В | | | В | |
| 23 | °À¼É «oÉÆÃ¨Á UÀÄr ¸ÀA¢ | 100 | 25 | Pk ₅ | | | В | | | В | |
| 24 | ¥ÁAqÉ QgÁt CAUÀr¬ÄAzÀ 2gÁ¼À±ÉnÖ | 160 | 20 | Pk ₅ | | | В | | | В | |
| 25 | ²gÁ¼À±ÉnÖ, ¥ÀgÀ²¸ÀA¢ qsÁ¯ÁAiÀÄvÀ UÀ°è EvÀgÉ | 375 | 20 | Pk ₅ | | | В | | | В | |
| 26 | G¥Àà° ŞÄgÀÄd¤AzÀ vÉÆÃ¥ÀÀ ªÉÄÊzÁ£À | 200 | 40 | | Pk ₄ | A | A | A | A | A | A |
| 27 | gÁªÀÄ ¥Àæ¸ÁzÀ ¸ÀA¢ | 100 | 25 | Pk ₅ | | | В | | | В | |
| 28 | VÉÆÃ¥À ªÉÄÊzÁ£À PÁæ¸À¤AzÀ ±ÀºÁ¥ÀÆgÀ CUÀ¹ | 300 | 30 | | Pk ₄ | A | A | A | A | A | A |
| 29 | «Ä®£À¨ÁgÀ¤AzÀ vÁªÀgÀV ©°ØAUï | 550 | 40 | Pk ₂ A | | A | A | A | A | A | A |
| 30 | vÁªÀgÀV ªÀģɬÄAzÀ ±ÀºÁ¥ÀÄgÀ CUÀ¹ | 450 | 40 | Pk ₂ | | A | A | A | A | A | A |
| 32 | ZÀAzÁ ⁻ ÁªÀr¬ÄAzÀ G¥Àà°§ÄgÀÄdĪÀgÉUÉ | 200 | 40 | | Pk ₃ | A | A | A | A | A | A |
| 33 | ZÀAzÁ ⁻ ÁªÀr zÀªÁSÁ£É ¸ÀA¢¬ÄAzÀ ²gÁ¼À±ÉnÖ ¸ÀA¢ªÀgÉUÉ | 120 | 20 | Pk ₆ | | | | В | | | В |
| 34 | dA§V ¸ÀA¢ | 150 | 20 | Pk ₆ | | | | В | | | В |
| 35 | G¥Àà°§ÄgÀÄd¤AzÀ DeÁzÀ gÀ¸ÉÛªÀgÉUÉ | 360 | 40 | Pk ₃ | | A | A | A | A | A | A |
| 36 | ^a ÀiÁPÉðI ¸ÀA¢ | 230 | 20 | Pk ₃ | | A | A | A | A | A | A |
| 37 | °À¼É PÀÄA¨ÁgÀ Nt¬ÄAzÀ ©zÀj zÀªÁSÁ£ÉªÀgĚUÉ ¸ÀA¢UÀ¼ÀÄ | 650 | 25 | Pk ₆ | | | | В | | | В |
| 38 | «Ä®£À"ÁgÀ¤ÁzÀ n.J,ï.n. & VæÃ£ï ºÉÆÃmÉî ¸ÀA¢ | 130 | 30 | | Pk ₃ | A | A | A | A | A | A |
| 39 | «Ä®£À "ÁgÀ¤AzÀ £ÁªÀzÀV ªÀÄ£É ªÀgÉUÉ (PÁAUÀæ¸ï D¦üøÀ¤AzÀ JªÀiï.f. gÀ¸ÉÛ) | 100 | 30 | Pk ₆ | | | В | | | В | |
| 40 | FzÀUÁ gÀ¸ÉÛ | 160 | 40 | Pk ₆ | | | В | | | В | |
| 41 | £ÁªÀzÀV¸ÀA¢ªÀĹâ»A¢£À¸ÀA¢ PÀÄA¨ÁgÀ UÀ°è | 170 | 20 | Pk ₆ | | | В | | | В | |
| 42 | ,ÁAUÀ°ÃPÀgÀ ªÀģɬÄAzÀ ©.r.F. ,ÉÆÃ,ÉÊn±Ä¯É | 120 | 15 | Pk ₆ | | | В | | | В | |



| | | a | \.£À | A. 3 | | | | | | | |
|------------|--|-------------|----------------|------------------|-----|-----|-----|-----|-----|-----|-----|
| C.£À A. | NtÂAiÀÄ ºÉ¸ÀgÀÄ | GzÀÝ «ÄÃ | CUÀ ® Cr | | Sun | Mon | Tue | Wed | Thu | Fri | sat |
| 1 | CPÀ̪ÀĺÁzÉë gÀ¸ÉÛ vÁ½PÉÆÃn ªÀÄ£É §¼ÀUÁ£ÀÆgÀ ªÀÄ£É | 350 | 50 | Pk ₈ | | В | | | В | | |
| 2 | CPÀ̪ÀĺÁzĚë G¥ÀgÀ¸ÉÛUÀ¼ÀÄ | 680 | 40 | Pk ₈ | | В | | | В | | |
| 3 | 5£ÀÄ. ±Á¯É JqÀUÀqÉ G¥ÀgÀ,ÉÛUÀ¼ÀÄ | 450 | 40 | Pk ₉ | | | В | | | В | |
| Α | J,ï.J,ï.gÉÆÃqÀ, CA§° zÀªÁSÁ£É PÉÆÃmÉUÉÆÃqÉ | 480 | 60 | Pk ₁ | A | A | A | A | A | A | A |
| 5 | gÉõÉä ¸ÀA¢-vÁ½PÉÆÃn ªÀÄ£É ±ÉIUÁgÀ ªÀÄ£É | 150 | 20 | Pk ₉ | | | В | | | В | |
| 6 | ªÀĢݣÀRt¸ÀA¢¸ÀÄgÀ¥ÀÅgÀ ªÀÄ£É PÉÆÃ¼ÀPÁgÀ ªÀÄ£É | 150 | 40 | Pk ₉ | | | В | | | В | |
| 7 | ªÀĢݣÀRt¸ÀA¢ PÉÆ¼ÀPÀgÀ ªÀÄ£É ¥ÉÃn ªÀÄ£É | 150 | 30 | Pk ₉ | | | В | | | В | |
| 8 | ^a ÀĢݣÀR¤¸ÀA¢ ^a ÀĢݣÀR¤ E£ÁªÀÄzÁgÀ PÁ⁻ ÉÆÃ¤ | 250 | 30 | Pk ₉ | | | | В | | | В |
| 9 | E£ÁªÀÄzÁgÀ PÁ®¤ gÀ¸ÉÛ ±ÉIUÁgÀ ªÀģɸÁé«Ä D¬Ä¯ï «Ä¯ï | 510 | 40 | Pk ₉ | | | | В | | | В |
| 10 | UÀÄgÀÄPÀÄ® gÀ¸ÉÛ UÀįÁ§ | 290 | 60 | Pk ₁ | A | A | A | A | A | Α | A |
| 11 | EAr gÀ¸ÉÛ PÉÆgÀ½ ªÀÄ£É EAr gÀ¸ÉÛ ªÀÈvÀÛ | 270 | 60 | Pk ₉ | | | | В | | | В |
| 12 | EAr gÀ,ÉÛ ªÀÈvÀÛ "ÉÆA"Á¼À CUÀ¹ | 700 | 60 | Pk ₂ | A | A | A | A | A | A | A |
| 13 | "ÉÆA§¼À CUÀ¹ §® gÀ¸ÉÛ "ÉÆA§¼À CUÀ¹ ¥ÀÅAqÀ°ÃPÀ vÉÆÃI | 240 | 40 | Pk ₇ | | В | | | В | | |
| 14 | "ÉÆA§¼À CUÀ¹ G¥ÀgÀ¸ÉÛ ¥ÀÅAqÀ°ÃPÀ vÉÆÃI "ÁUÀ®PÉÆÃI ªÀÄ£É | 200 | 15 | Pk ₇ | | В | | | В | | |
| 15 | ¨ÉÆA§¼À CUÀ¹ G¥ÀgÀ¸ÉÛ ¸ÀPÁðj GzÀÄð ±Á⁻ É gÀd¥ÀÇvÀ NtÂ | 200 | 20 | Pk ₇ | | В | | | В | | |
| 16 | J¦JA¹ gÀd¥ÀÇvÀ Nt gÀ¸ÉÛ J¦JA¹ UÉÃI | 250 | 30 | Pk ₇ | | В | | | В | | |
| 17 | J¦JA¹ G¥ÀgÀ¸ÉÛ »Iß½î ªÀÄ£É wªÁj ªÀÄ£É | 250 | 20 | Pk ₁₀ | | | | В | | | В |
| 18 | J¦JÁ¹ G¥ÀgÀ ÉÛ G¼ÁîUÀrØ ªÀÄ£É ¥Ánî ªÀÄ£É | 250 | 20 | Pk ₁₀ | | | В | | | В | |
| 19 | J¦JA¹ G¥ÀgÀ ÉÛ G¦à£À ªÀÄ£É CPÀ̪ÀĺÁzĚë ªÀÄ£É | 400 | 30 | Pk ₁₀ | | | В | | | В | |
| 20 | «Ä¤ªÀiÁzÀgÀ Nt ZËzsÀj ªÀÄ£É ¥Ánî ªÀÄ£É | 100 | 40 | Pk ₁₀ | | | В | | | В | |
| 21 | EAr gÀ, ÉÛ GPÀ̰ ªÀÄ£É J.©.¥Ánî ªÀÄ£É | 100 | 30 | Pk ₁₀ | | | В | | | В | |
| 22 | E£ÁªÀÄzÁgÀ PÁ®¤ AiÀÄgÁæ«Ä ªÀÄ£É CtÂAiÀÄ¥Àà ªÀÄ£É | 100 | 40 | Pk ₁₀ | | | В | | | В | |
| 23 | G¥ÀgÀ¸ÉÛ¸ÀAUÀr ªÀÄ£É | 100 | 30 | Pk ₁₀ | | | В | | | В | 1 |

Source for the data: Office of the CMC



| | £ÁAiÀÄÄØ "Á¬Ä zÀªÁSÁ£É | | | | | | | | | | |
|----|--|------|----|-----------------------|---|---|---|---|---|---|---|
| 24 | G¥ÀgÀ ÉÛ ¸ÀįÁSÉ ªÀÄÄ£Áß E£ÁazÁgÀ ªÀÄ£É | 100 | 40 | Pk ₁₀ | | | | В | | | В |
| 25 | G¥ÀgÀ¸ĚÛ¸ÀįÁSÉ ªÀÄ£É ±À©âÃgÀ E£ÁazÁgÀ ªÀÄ£É | 100 | 40 | Pk ₁₀ | | | | В | | | В |
| 26 | UÀaÑ£ÀPÀnÖ PÁ®¤ | 3000 | 30 | Pk _{11,12} | C | | | | | | |
| 27 | «zÁå£ÀUÀgÀ ¥ÀæUÀw £ÀUÀgÀ | 2000 | 30 | Pk _{11,12} | | C | | | | | |
| 28 | ¤Ã¯Á£ÀUÀgÀ L±ÀéAiÀÄð£ÀUÀgÀ | 2000 | 30 | Pk _{11,12} | | | С | | | | |
| 29 | nÃZÀ¸Àð PÁ®¤ | 1500 | 30 | Pk _{11,12} | | | | С | | | |
| 30 | D±ÀæaÀÄ ¥ÀzÁäaÀw §qÁaÀuÉ | 1500 | 30 | Pk _{11,12} | | | | | С | | |
| 31 | D£ÀAzÀ PÀ Áåt £ÀUÁgÀ | 1500 | 30 | Pk _{11,12} | | | | | | С | |
| 32 | ^a ÀÄoÀ¥ÀwUÀ°è CA"Á"Á¬ÄUÀÄr | 700 | 30 | Pk ₁₃ | | | | В | | | В |
| 33 | UÀaÑ£ÀªÀÄoÀ ªÀÄ£É | 500 | 30 | Pk ₁₃ | | | | В | | | В |
| 34 | aÉAPÀIgÀaÀÄ£À UÀÄr | 1000 | 30 | Pk ₁₃ | | В | | | В | | |
| 35 | D¼À« ªÀĹâ | 1000 | 30 | Pk ₁₃ | | | В | | | В | |
| 36 | gÁªÀĪÀÄA¢gÀ zsÁgÀªÁqÀPÀgÀ ªÀÄ£É | 500 | 30 | Pk ₁₄ | | | | В | | | В |
| 37 | aÀİÁ«ÃgÀ PÁ®¤,±ÀgÀt £ÀUÀgÀ | 2000 | 30 | Pk ₁₄ | | | | | | С | |
| 38 | ^a ÀİèPÁdÄð£À £ÀUÀgÀ, D±ÀæªÀÄ gÀ¸ÉÛ | 1000 | 30 | Pk ₁₄ | | | | | С | | |
| 39 | ^a ÀÄÄRå gÁ¸ÉÛ | 4000 | 50 | Pk _{3,4,5,6} | Α | A | A | Α | Α | Α | A |



| | | a | Á.£À | ۸. 4 | | | | | | | |
|--------|---|-------------|------------|-----------------|-----|-----|-----|-----|-----|-----|-----|
| C.£ÀA. | NtÂAiÀÄ ºÉ¸ÀgÀÄ | GzÀÝ «ÄÃ | CUÀ® Cr | | Sun | Mon | Tue | Wed | Thu | Fri | sat |
| 1 | UÁA¢üZËPÀ¢AzÀ ¹zÉÝñÀégÀ zÉêÀ¸ÁÜ£À (J¸ï.J¸ï.gÉÆÃqÀ) | 600 | 50 | Pk ₁ | A | A | A | A | A | A | A |
| 2 | UẢA¢üZËPÀ¢AzÀ DeÁzÀ gÀ ÉÛ «Ä®£À"ÁgÀ | 600 | 40 | Pk ₂ | A | A | A | A | A | A | A |
| 3 | gÁªÀĪÀÄA¢gÀ gÀ¸ÉÛ C«ÄÃgÀ mÁQÃd UÀÄgÀÄPÀÄ® gÀ¸ÉÛ | 600 | 40 | Pk ₃ | A | A | A | A | A | A | A |
| 4 | °ÉqɪÁgÀ ZËPÀ¢ÂzÀ 2ªÀ°Ã¯Á ¯ÁqïÓ °ÁUÀÆ gÁªÀĪÀÄA¢gÀ | 600 | 40 | Pk ₄ | A | A | A | A | A | A | A |
| 5 | gÁªÀĪÀÄA¢gÀ UÀÄr ªÀÄÄA¢£À gÀ ÉÛ ºÁUÀÆ ¹zÉÝñÀégÀ UÀÄr »A¢£À ¸ÀA¢UÀ¼ÀÄ | 600 | 30 | Pk ₆ | | | В | | | В | |
| 6 | gÁªÀĨsÀIÖ ªÀÄ£É ªÀÄÄAzÉ ¬ÄAzÀ «ÄtdV UÀ°È ¥ÀArvÀ ªÀÄ£É ªÀÄÄA¢£À gÀ¸ÉÛ | 600 | 30 | Pk ₆ | | | | В | | | В |
| 7 | ÀPÁ¥sÀ §eÁgÀ ZËPÀ¢AzÀ JuÉÚCAUÀr ÀA¢üUÀ¼ÀÄ £ÁªÀzÀV ªÀģɪÀgÉUÉ | 600 | 30 | Pk ₅ | A | A | A | A | A | A | A |
| 8 | «Ä®£À "ÁgÀ¢AzÀ (§¸ÀªÉøÀégÀ gÀ¸ÉÛ) "ÁAV zÀªÁSÁ£É | 450 | 40 | Pk ₆ | A | A | A | A | A | A | A |
| 9 | bÉÆÃmÁ D¸ÀgÀ¢AzÀ QgÀuÁ ŞeÁgÀ EAr gÀ¸ÉÛ | 400 | 40 | Pk ₅ | A | A | A | A | A | A | A |
| 10 | Ŭ˽UÀgÀ ŬÀ°è¬ÄAzÀ ªÀĺÁ«ÃgÀ gÀ¸ÉÛ PÉÆÃj ZËPÀªÀgÉUÉ | 450 | 40 | Pk ₅ | A | A | A | A | A | A | A |
| 11 | ¹zÉÝñŘégÀ UÀÄr¬ÄAzÀ J¸ï.J¸ï. ¨ÁåAPÀ gÀ¸ÉÛ PÉÆÃj ZËPŪÀgÉUÉ | 300 | 40 | Pk ₄ | A | A | A | A | A | A | A |
| 12 | £É°ÀgÀÆ ªÀiÁgÀÄPÀmÉÖ ¨ÁAV zÀªÁSÁ£É ¸ÀA¢ | 300 | 40 | Pk ₆ | | В | | | В | | |

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Source for the data: Office of the



| | | | aÁ.£À | A.5 | | | | | | | |
|------------|---|-------------|------------|--------------------|-----|-----|-----|-----|-----|-----|-----|
| C.£À A. | NtÂAiÀÄ ºÉ¸ÀgÀÄ | GzÀÝ «ÄÃ | CUÀ® Cr | | Sun | Mon | Tue | Wed | Thu | Fri | sat |
| 1 | UÁA¢üZËPÀ CA"ÉÃqÀÌgÀ ZËPÀ | 500 | 50 | Pk ₁ | A | A | A | A | A | A | A |
| 2 | d£ÀvÁ §eÁgÀ eÉÆÃ¼ÀzÀ ªÀiÁPÉðI | 600 | 40 | Pk ₂ | A | A | A | A | A | A | A |
| 3 | § ÀªÉñÀégÀ "ÁgÁPÀªÀiÁ£À gÀ¸ÉÛ | 700 | 35 | Pk ₃ | A | A | A | A | A | A | A |
| 4 | J¯ï.©.J¸ï. ªÀiÁPÉðI £ÉºÀgÀÆ ªÀiÁPÉðI ªÀÄÄAzÉ | 1000 | 30 | Pk _{4,6} | A | A | A | A | A | A | A |
| 5 | ^a ÁqÀð 5 EvÀgÉ ^a ÀiÁPÉðI eÁUÀ | 700 | 30 | Pk ₅ | A | A | A | A | A | A | A |
| 6 | EvÀgÉ ¸ÀA¢üUÀ¼ÀÄ | 1000 | | Pk ₁₀ | | | В | | | В | |
| 7 | §AUÁj ªÀÄoÀ gÀ¸ÉÛ | 1000 | 25 | Pk _{1,2} | A | A | A | A | A | A | Α |
| 8 | CA"ÉÃqÀÌgÀ ZËPÀÀ gÉÃ ⁻ Éé¸ÉÖñÀ£À ©æqÀÓ | 1500 | 60 | Pk _{4,6} | A | A | A | A | A | A | A |
| 9 | gÉïÉé¸ÉÖñÀ£ï gÀ¸ÉÛ | 1000 | 40 | Pk ₇ | В | | | C | | В | |
| 10 | EAr gÀ ÉÛ¬ÄAzÀ ¸ÀAdAiÀÄUÁA¢ £ÀUÀgÀUÉÃI ¸ÀA¢UÀ¼ÀÄ | 1000 | 20 | Pk ₇ | | В | | | В | | |
| 11 | ¸ÀÄtUÁgÀ NtÂ, C¥ÀìgÁ gÀ¸ÉÛ G¥ÁàgÀ ªÀÄ£É ¸ÀA¢üUÀ¼ÀÄ | 1000 | 25 | Pk ₇ | | | В | | | | В |
| 12 | PÁ« ¥ÃèI, Uà夯ÉÃOI ªÀÄzsÀĪÀ£À ºÉÆÃmÉî ¸ÀA¢üUÀ¼ÀÄ ªÀÄÄPÀÄAzÀ£ÀUÀgÀ, J¯ï.DAiÀiï.¹D¦üøÀ D®ªÉÄî ªÀģɪÀgÉUÉ | 3000 | 40 | Pk ₈ | | В | В | В | В | В | В |
| 13 | ÉÖÃI"ÁåAPÀ PÁ®¤ ¹AzÀV £ÁPÁ¢AzÀ ªÀÄAUÀ¼ÀªÉÃqÉ | 4000 | 40 | Pk _{9,10} | | С | | | | | |



| | ^a ÀÄ£É | | | | | | | | | |
|----|---------------------------------------|------|----|------------------------|---|---|---|---|---|---|
| 14 | EAqÀ¹ÖçAiÀÄ⁻ï⁻ÉÃOI | 2000 | 40 | Pk _{9,10} | | С | | | | |
| 15 | ,ÉÖñÀ£À "ÁåPÀ gÀ,ÉÛ EAr gÀ,ÉÛ¬ÄAzÀ | 2000 | 50 | Pk _{9,10} | | | С | | | |
| 16 | gÀÀAV£À ªÀĹâ ºÀwÛgÀ | 1000 | 40 | Pk _{9,10} | | | | | C | |
| 17 | AiÉÆÃUÁ¥ÀÇgÀ | 2500 | 30 | Pk _{9,10} | | | | D | | |
| 18 | °ÀªÀiÁ® PÁ®¤ | 2000 | 30 | Pk _{9,10} | | | | D | | |
| 19 | ^a ÀÄÄ£ÉñÀégÀ §qÁªÀuÉ | 1500 | 40 | Pk _{9,10} | | | | | | D |
| 20 | EAr KjAiÀiÁ | 2000 | 50 | Pk _{9,10} | | | | | | D |
| 21 | ^a ÀÄÄRå gÀ¸ÉÛ | 2000 | | Pk _{11, 12} A | A | A | A | A | A | A |

| | | aÁ, | .£ÀA | . 6 | | | | | | | |
|------------|---|-------------|----------------|---------------------|-----|-----|-----|-----|-----|-----|-----|
| C.£ ÀA. | NtÂAiÀÄ ºÉ¸ÀgÀÄ | GzÀÝ «ÄÃ | CUÀ ® Cr | | Sun | Mon | Tue | Wed | Thu | Fri | sat |
| 1 | gÀÀA¨sÁ¥ÀÅgÀ ªÀÄÄRå & G¥ÀgÀ¸ÉÛ ÉŨ | 280 | 50 | Pk ₁₂ | | | D | | | | |
| 2 | G¥À gÀ¸ÉÛUÀ¼ÀÄ | 2200 | 30 | Pk _{2,3} | A | Α | A | Α | Α | Α | Α |
| 3 | C ⁻ Áè¥ÀÇgÀ vÁAqÁ gÀA¨sÁ¥ÀÇgÀ PÁæ¸ï | 600 | 60 | Pk ₁₂ | | | | D | | | |
| 4 | C⁻Áė́¥ÀÇgÀ vÁAqÁ PÁæ¸ï | 400 | 60 | Pk _{10,11} | | | | С | | | |
| 5 | C⁻Áè¥ÀÇgÀ vÁAqÁ G¥ÀgÀ¸ÉÛ | 2400 | 30 | Pk _{10,11} | | | С | | | | |
| 6 | ¹AzÀV gÉÆÃqÀ ©æÃeï | 540 | 60 | Pk _{10,11} | | | | С | | | |
| 7 | C⁻Áè¥ÀÇgÀ Nt CA¨sÉqÀÌgÀ ¨sÀªÀ£À | 1200 | 30 | Pk _{10,11} | | | | С | | | |
| 8 | C-Áè¥ÀÇgÀ NtÂà gÁA¥ÀÅgÀ gÀ¸ÉÛ | 1800 | 30 | Pk _{10,11} | | | | | С | | |
| 9 | ČÁPÀ®V ÉÃOI | 300 | 30 | Pk ₉ | | | | В | | | В |
| 10 | UÉÆÃ®UÀĪÀÄäI gÉÆÃqÀ | 700 | 60 | Pk ₁ | A | A | A | A | Α | A | A |
| 11 | UÉÆÃ®UÀĪÀÄäI ºÀQêÀÄ ZËPÀ | 320 | 40 | Pk ₁ | A | A | A | A | Α | A | A |
| 12 | °ÀQêÀÄ ZËPÀ gÀhÄAqÁPÀnÖ | 400 | 35 | Pk ₁₂ | A | A | A | A | Α | A | A |
| 13 | ¥ÉÊ®ªÁ£À UÀ°è | 1800 | 35 | Pk _{4,5} | | | В | | | В | |
| 14 | ¥ÉÃn"ÁªÀr | 800 | 30 | Pk _{4,5} | | | | В | | | В |
| 15 | ¥ÀªÁqÀ§¸ÀªÉñÀégÀ JjAiÀiÁ ±Á¯É £ÀA.3 | 1200 | 30 | Pk _{4,5} | | | | В | | | В |



| 16 | -¸ÀzÀgÀ- ªÀÄAUÀ¼ÀªÁr ªÀÄ£É | 1200 | 30 | Pk _{8,9} | | | | В | | | В |
|-----|---|------|---------|---------------------|-----|-----|-----|------------|-----|----------|---|
| 17 | ¸ÀĨsÁ¸À PÁ¯ÉƤ | 4000 | 30 | Pk _{4,5} | | В | | | В | | |
| | Ġ¥ÀgÀ¸ÉÛUÀ¼ÀÄ | | | , - | | | | | | | |
| 18 | ¥ÀÅAVªÁ⁻É G¥ÀgÀ¸ÉÛUÀ¼ÀÄ | 1600 | 30 | Pk _{6,7} | | | В | | | В | |
| 20 | ªÀÄ£ÀŲÀƽ gÉÆÃqÀ | 300 | 60 | Pk _{6,7} | | В | | | _ | В | |
| | QÃw£ÀUÀgÀ PÁæ,ï | 1000 | 40 | 701 | | | | | | <u> </u> | |
| 21 | ¥ÀÅ®PÉò£ÀUÀgÅ §¸ÀªÉñÀégÀ ºÉʸÀÆÌ® | 1800 | 40 | Pk _{6,7} | | В | | | | В | |
| 22 | ¥ÀÅ®PÉò £ÀUÀgÀ ®¸Àëj Qî ªÀÄ£É | 1800 | 40 | Pk _{6,7} | | | В | | | В | |
| 23 | ¥ÀÅ®PÉò £ÀUÀgÀ PÀĶÖUÉ åÀÄ£É | 250 | 40 | Pk ₇ | | | | В | | | В |
| 24 | ¥ÀÅ®PÉò £ÀUÀgÀ G¥À gÀ¸ÉÛUÀ¼ÀÄ | 390 | 40 | Pk ₇ | | | | В | | | В |
| 25 | aÀÅ£ÀUÀƽ gÉÆÃqÀ gÀhÄ.¦.PÁæ¸ï | 360 | 60 | Pk ₁₂ | | | | | D | | |
| 26 | aÀÄ£ÀUÀƽ gÉÆÃqÀ ©.¹JaÀiï. D¦üøï | 300 | 40 | Pk ₁₂ | | | | | D | | |
| 27 | ^a ÀÄ£ÀUÀƽ gÉÆÃqÀ E¨Áæ»A¥ÀÇgÀ | 200 | 60 | Pk ₇ | | | | В | | | В |
| 28 | PÀ£ÁPÀzÁ¸Ã §qÁªÀuÉ §qÁªÀuÉ §,ï ¸ÁÖ¥sÀ | 500 | 40 | Pk ₁₂ | | | | | D | | |
| 29 | PÀ£ÀPÀZÁ¸À §qÁªÀuÉ gÀA¨sÁ¥ÀÅgÀ JPÀìAeÉÃD¦üøÀ | 1300 | 40 | Pk _{6,7} | | | | В | | | В |
| 30 | PÀ£ÀPÀZÁ¸À §qÁªÀuÉ ¤ÃjãÀ mÁQ ºÀwÛgÀ EgÀĪÀ G¥ÀgÀ¸É | 2000 | 40 | Pk _{2,3} | A | A | A | A | A | A | A |
| 32 | PÀ£ÀPÀZÁ¸À §qÁªÀuÉ UÀÄgÀİAUÉñÀégÀ UÀÄr ªÉÄãÀ gÉÆÃqÀ, G¥ÀgÀ¸ÉÛUÀ¼ÀÄ | 280 | 40 | Pk ₇ | | | | В | | | В |
| 33 | PÁ£ÀPÀzÁ¸À §qÁªÀuÉ ºÀ£ÀªÀÄAvÀ mÉA¥À⁻ïªÉÄãÀ gÉÆÃqÀ, G¥ÀgÀ¸ÉÛ | 300 | 40 | Pk ₇ | | | В | | | В | |
| 34 | PÀ£ÀPÀZÁ¸À §qÁªÀuÉ §¸ï¸ÁÖ¥À ªÉÄãÀ gÉÆÃqÀ, G¥ÀgÀ¸ÉÛ | 1800 | 40 | Pk _{8,9} | | В | | | В | | |
| 35 | PÀ£ÀPÀzÁ¸À §qÁªÀuÉ G¥À gÀ¸ÉÛ | 1800 | 40 | Pk _{8,9} | | | В | | | В | |
| 36 | ^a ÀdæºÀ£ÀĪÀiÁ£À£ÀUÀgÀ, ªÉAPÀmÉñÀ £ÀUÀgÀ ®Që÷äãÀUÀgÀ | 4000 | 40 | Pk _{10,11} | | | | | | С | |
| 37 | UÀuÉñÀ£ÀUĂgÀ UÀÄgÀÄ¥ÁzÉñÀégÀ £ÀUÀgÀ | 2000 | 40 | Pk _{10,11} | | | | | | | С |
| | | аÁ | £ÀA. | 7 | | | | | | | |
| C.£ | | GzÀÝ | CUÀ | <u>-</u> | Sun | Mon | Tue | Wed | Thu | Fri | 1 |
| ÀA. | NtÂAiÀÄ ºÉ¸ÀgÀÄ | «ÄÃ | ® Cr | | | | | | | | |
| 1 | CA"ÉÃqÀÌgÀ ZËPÀ | 1300 | 40 | Pk ₁ | A | A | Α | A | A | Α | |
| 2 | r.¹. D¦üøÀ »A¢£À gÉÆÃqÀ | 390 | 40 | Pk ₄ | A | A | Α | A | A | Α | 1 |
| 3 | r.¹.D¦üøÀ DªÀgÀt | 2000 | 50 | Pk _{2,3} | A | A | A | A | A | Α | 1 |
| 4 | n¥ÀÅöà¸ÀįÁÛ£À ZËPÀ | 600 | 25 | Pk ₄ | A | Α | Α | Α | A | Α | 1 |
| 5 | "ÁUÀ®PÉÆÃI gÉÆÃqÀ | 1600 | 40 | Pk _{5, 8} | A | A | A | A | A | A | 1 |
| 6 | aÀÄ£ÀUÀƽ gÉÆÃqÀ | 1200 | 40 | | A | A | A | A | A | A | 1 |
| | | 1200 | T-U | Pk, 6, 8 | Λ | Γ1. | 17 | <i>[</i>] | 17 | 17 | ╝ |



| 7 | d®£ÀUÀgÀ | 1200 | 40 | Pk _{7,8} | A | A | A | A | Α | A |
|----|------------------------------------|------|----|----------------------|---|---|---|---|---|---|
| 8 | gÉÃ-ÉéUÉÃI gÉÆÃqÀ | 1000 | 40 | Pk ₁₆ | | | | С | | |
| 9 | QÃwð£ÀUÀgÀ | 2000 | 30 | Pk _{16,17} | | С | | | | |
| 10 | PÉ.PÉ. £ÀUÀgÀ | 2000 | 35 | Pk _{16, 17} | | | С | | | |
| 12 | «zÁå£ÀUÀgÀ | 1200 | 40 | Pk ₄ | | | В | | | В |
| 13 | UÀįÁªÀĺÀĸÉãÀ UÀ°è | 700 | 40 | Pk 18 | | В | | | В | |
| 14 | ªÀÄ£ÀUÀÆ⅓ gÉÆÃqÀ | 1500 | 35 | Pk 18 | | | | В | | |
| 15 | UÀįÁªÀİÀĸÉãÀ UÀ°è | 1000 | 40 | Pk ₁₁ | | В | | | В | |
| 16 | RªÀiÁ£ÀSÁ£À §eÁgÀ | 1700 | 35 | Pk _{13,14} | | | В | | | В |
| 17 | «zÁå£ÀUÀgÀ G¥ÀgÀ¸ÉÛUÀ¼ÀÄ | 1450 | 35 | Pk ₁₁ | | | | В | | |
| 18 | DAiÀÄĪÉÃzÀ PÁ¯ÉÃd gÉÆÃqÀ | 700 | 40 | Pk 18 | | | | В | | |
| 19 | ^a ÀÄÄgÁtPÉÃj NtÂ | 1040 | 40 | Pk ₁₂ | | В | | | В | |
| 20 | dĪÀiÁäªÀĹâ gÉÆÃqÀ | 600 | 40 | Pk ₁₂ | | | В | | | В |
| 21 | zsÀ£ÀªÀAvÀj D¸ÀàvÉæ | 700 | 40 | Pk ₁₂ | | | В | | | В |
| 22 | gÀd¥ÀÇvÀ NtÂ | 500 | 30 | Pk ₁₂ | | | | В | | |
| 23 | r.¹. §AUÀ¯É »A¢£À gÉÆÃqÀ | 700 | 30 | Pk ₁₂ | | | | В | | |
| 24 | D¸ÀgÀ NtÂ | 500 | 30 | Pk _{13,14} | | В | | | В | |
| 25 | D¸ÀgÀ Nt G¥ÀgÀ¸ÉÛUÀ¼ÀÄ | 1000 | 30 | Pk _{13,14} | | В | | | В | |
| 26 | ¸ÉÖñÀ£À gÉÆÃqÀ | 1150 | 60 | Pk _{9,19} | A | A | A | A | Α | A |
| 27 | §rPÀªÀiÁ£À gÉÆÃqÀ | 660 | 50 | Pk _{13,14} | | | | В | | |
| 28 | GÀÄPÁäAUÀzÀ ±Á¯É | 500 | 50 | Pk _{13,14} | | | | В | | |
| 29 | ^a ÀÄÄ£À¹¥Á®n zÀªÁSÁ£É | 600 | 50 | Pk ₁₅ | | | | В | | |
| 30 | ¢ªÀIUÉÃj gÉÆÃqÀ | 1200 | 40 | Pk _{15, 19} | | В | | | В | |
| 31 | £ÁUÀgÀ"ÁªÀr PÁ®¤ (PÀÄA"ÁgÀ NtÂ) | 1250 | 40 | Pk _{15, 19} | | | В | | | В |
| 32 | PÁªÁÄvÀ ºÉÆÃmÉî | 800 | 40 | Pk _{13,14} | | | | В | | |
| 33 | ¥ÉÇð¸À ¸ÉÖñÀ£À gÉÆÃqÀ | 750 | 40 | Pk 18 | | | В | | | В |
| 34 | "sÁUÁAiÀÄvÀ UÀ°è | 600 | 40 | Pk ₁₅ | | | | В | | |
| 35 | J¸ï.Dgï.PÁ®¤ | 1500 | 40 | Pk _{16, 17} | | | | | С | |
| 36 | zÀÀgÀ¨ÁgÀ ºÉʸÀÆÌ® | 120 | 40 | Pk ₁₀ | A | A | A | A | A | A |
| 37 | d®£ÀUÀgÀ | 2000 | 40 | Pk 16, 17 | | | | | | С |
| 38 | «ªÉÃPÀ£ÀUÀgÀ | 2000 | 40 | Pk 16, 17 | | | | | | |
| | | | | | | | | | | |

| aÁ.£ÀA. 8 | | | | | | | | | | | |
|------------|---|-------------|----------------|-----------------|-----|-----|-----|-----|-----|-----|-----|
| C.£À A. | NtÂAiÀÄ ºÉ¸ÀgÀÄ | GzÀÝ «ÄÃ | CUÀ ® Cr | | Sun | mon | tue | wed | thu | fri | sat |
| 1 | §,ÁåAqï¸ÀPÀð® "ÁUÀ®PÉÆÃI PÁæ¸ï | 410 | 60 | Pk ₁ | A | A | A | A | A | A | A |
| 4 | zÁ¢æªÀĹâ¬ÄAzÁ (»A¢£À gÀ¸ÉÛ) ®AUÀgÀ§eÁgÀ, eÉÆÃ¥ÀqÀ¥ÀnÖ | 450 | 30 | Pk ₁ | A | A | A | A | A | A | A |
| 5 | zÁ¢æªÀĹâ »A¢£À ¯ÁdÄ | 250 | 30 | Pk ₂ | A | A | A | A | A | A | A |

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|----|---|-----|----|-----------------|---|---|---|---|---|---|---|
| 6 | ¸ÀAUÀ¢¸ÀAzÀ¢ gÀªÉÄò zÀªÁSÁ£É | 100 | 20 | Pk ₁ | A | A | A | A | A | A | A |
| 7 | ÀĺÁUÀ ªÀÄAI¥À PÁAiÀiÁð®AiÀÄ SÁ¢æ UÁæªÉÆÃzÉÆåÃUÀ | 200 | 30 | Pk ₂ | A | A | A | A | A | A | A |
| 8 | "ÉÃUÀA ¥Àw PÁ⁻ ÉÆÃ¤ - ¦.r.eÉ. ºÉʸÀÆÌ® | 300 | 30 | Pk ₂ | A | A | A | A | A | A | A |
| 9 | °ÀªÉð UÁ°è SÁ¢æUÁæªÉÆÃzÉÆåÃUÀ ¨ÁUÀ®PÉÆÃI gÀ¸ÉÛ | 200 | 20 | Pk ₂ | A | A | A | A | A | A | A |
| 10 | JA.JA. "ÁUÀªÁ£À ªÀÄ£É ¸ÀA¢UÀ¼ÀÄ gÉÆÃd£ÀzÁgÀ ªÀÄ£É | 200 | 20 | Pk ₃ | A | A | A | A | A | A | A |
| 11 | «Ä±À£À PËA¥ËAqÀ «ÄgÀdPÀgÀ ªÀÄ£É | 250 | 30 | Pk ₃ | A | A | A | A | A | A | A |
| 12 | «Ä±À£ï 2 ÅA¢UÀ¼ÀÄ - UÁAiÀÄPÀªÁqÀ ªÀÄ£É | 100 | 25 | Pk ₃ | A | A | A | A | A | A | A |
| 13 | SÁf PÉç® D¦üÃ¸ï ¸ÀPÁ¥sÀ gÉÆÃeÁ gÀ¸ÉÛ | 200 | 30 | Pk ₃ | A | A | A | A | A | A | A |
| 14 | 2 ¸ÀA¢UÀ¼ÅÄ ¸ÉÃj (qÁ E£ÁAzÁgÀ ªÀÄ£É) | 100 | 30 | Pk ₃ | A | A | A | A | A | A | A |
| 15 | CxÀt UÀ°è zÁ¢æªÀĹâ ªÀÄÄA¢£À gÀ¸ÉÛ ¨ÉÆÃgÀªÉ¯ï 2¸ÀA¢UÀ¼ÀÄ ¸ÉÃj) | 200 | 25 | Pk ₃ | A | A | A | A | A | A | A |
| 16 | ÛÁågÉÃd PÀÄAqÁ¼É SÁ¢ UÁæªÉÆÃzÉÆåÃUÀ ¸ÀPÀð⁻ï | 300 | 30 | Pk ₄ | A | A | A | A | A | A | A |
| 17 | SÁ¢æ UÁæªÉÆÃzÀåUÀ PÁAZÀÆgÀ ¸ÀA¢ ªÀÄI£À CAUÀr ¨ÉÃUÅA¥À°è ªÀÄ£É | 125 | 20 | Pk ₄ | A | A | A | A | A | A | A |
| 18 | SÁ¢æ UÁæªÉÆÃzÉÆåÃUÀ ©æqÀÓ¤AzÀ PÀÄAqÁ¼É ªÀgÉUÉ PÁ¸ÀUÉÃj PÁæ¸ÀªÀgÉUÉ | 100 | 60 | Pk ₄ | A | A | A | A | A | A | A |
| 20 | PÁ ÀUÉÃĴ eÉÆÃr PÀÄAqÁ¼À QgÁt CAUÀr gÀ ÉÛ ºÀ£ÀĪÀiÁ£À ªÀÄA¢gÀ | 125 | 30 | Pk ₄ | A | A | A | A | A | A | A |
| 21 | °À£ÀĪÀiÁ£À ªÀÄA¢gÀ - | 370 | 25 | Pk ₄ | A | A | Α | Α | A | A | Α |
| 22 | PÀ "ÁqÉ ªÀÄ£É ¸ÀA¢, PÁ¸ÀUÉÃj M¼ÀUÀqÉ ¥ÀÇeÁj ªÀÄ£É -ªÀÄtÆgÀ PÁ ÉÆÃ¤ PÁæ,ï | | | | | | | | | | |
| 23 | PÁ¸ÀUÉÃj ªÀÄÄRå gÀ¸ÉÛ - ªÀÄtÆgÀ PÁ¯ÉÆÃ¤ | 150 | 30 | Pk ₅ | A | A | A | A | A | A | A |
| 24 | ªÀÄtÆgÀ PÁ⁻ÉÆ¤ ¨ÁUÀ®PÉÆÃI gÀ¸ÉÛ PÁ¸ÀUÉÃj PÁæ¸ï ¨ÉÆÃgÀªÉ⁻ï¥Ánî ªÀÄ£É | 200 | 30 | Pk ₅ | A | A | A | A | A | A | A |
| 25 | § ÀªÀ£ÀUÀgÀ "ÁUÀ®PÉÆÃI gÀ ÉÛ ®Që÷äÃUÀÄr PÁ ÀUÉÃj PÁæ, À ®Që÷äÃ | 650 | 30 | Pk ₈ | | | В | | | В | |



| | | | | | | • | | | | | |
|-----|--|------|----|----------------------|----|----|------------|----------|-----|-----|-----|
| | aÀÄA¢gÀ aPÀÌ ÀA¢UÀ¼ÀÄ | | | | | | | | | | |
| | °À£ÀĪÀiÁ£À ªÀÄA¢gÀ | | | | | | | | | | |
| | ¥Á°mÉQßPï°Á¸ÉÖ¯ï | | | | | | | | | | |
| | PËA¥ËAqÀ PÉÆÃmÉ | | | | | | | | | | |
| | UÉÆÃqÉ §¢ | 200 | 20 | | | | + . | | | | |
| 27 | Ş, ï, ÁÖ÷åAqÀ «Ä±À£ï | 300 | 30 | Pk ₅ | Α | A | A | A | A | A | A |
| | PÀA¥ËAqÀ ªÀÈvÀÛ | | | | | | | | | | |
| 00 | £ÀªÀ"sÁUÀ PÁæ¸À | 250 | 20 | | | | - | | | | |
| 28 | £ÀªÀ¨sÁUÀ PÁæ¸ï - vÁd¨ÁªÀr | 350 | 20 | Pk ₅ | A | A | A | A | Α | A | Α |
| 29 | gÀ ÉÛ ªÀÄ£ÀUÀƽ ªÉÄA§gÀ | 250 | 25 | DI | Α. | Α | Α | A | Α | Α | Α |
| 29 | D¦üÃ,À GzÀÄð ,Á-É £ÀA.4 | 250 | 25 | Pk ₆ | A | Α | A | A | A | A | Α |
| 30 | "Á"Á£À ªÀÄ£É ¸ÀA¢ ¤Ãj£À | 175 | 20 | Pk ₁₀ | | | В | | | В | |
| 30 | mÁåAPÀ ªÀÄ£ÅUÀƽ | 173 | 20 | 1 K ₁₀ | | | Ь | | | В | |
| | ^a ÀÄ£É ¸ÀA¢ ^a ÀÄ£ÀUÀƽ | | | | | | | | | | |
| | ^a ÀÄ£É ^a ÀÄÄA¢£À gÀ ÉÛ | | | | | | | | | | |
| | aÀĹâ | | | | | | | | | | |
| 31 | GzÀÄð ±Á¯É £ÀA.4 | 400 | 25 | Pk ₈ | | В | | | В | | |
| | ªÉÆÃ«Ä£À ªÉÄA§gÀ ªÀÄ£É | | | | | | | | | | |
| | gà¸ÉÛ ¥ÉÇð¸ï aAZÀ° ªÀÄ£É | | | | | | | | | | |
| | ,ÀA¢,ÉÃj | | | | | | | | | | |
| 32 | SÁ¢ UÁæªÉÆÃZÉÆåÃUÀ | 300 | 40 | Pk ₈ | | В | | | В | | |
| | aÀÈvÀÛ ÉÃj C°PÀ gÉÆÃeÁ | | | | | | | | | | |
| | aÀĹâ C°PÀ gÉÆÃeÁ | | | | | | | | | | |
| | aÀĹâ¸ÀA¢¥ÀvÀæPÀvÀð | | | | | | | | | | |
| 00 | aÀÄ£É | 550 | 10 | DI | | ъ | | | D . | | |
| 33 | ZÉPÉÌ §mÉÖ ªÀÄ£É - ¤ ÁgÀªÀÄrØ PÉÆÃmÉ | 550 | 40 | Pk ₁₀ | | В | | | В | | |
| | UÉÆÃqɪÀgÉUÉ ªÀÄI£À | | | | | | | | | | |
| | CAUÀr, eÁVÃgÀzÁgÀ | | | | | | | | | | |
| | ^a ÀÄ£É, ^a ÀĹâ ^a ÀgÉUÉ | | | | | | | | | | |
| 34 | dqÀÓ §AUÀ¯É £ÀªÀ¨sÁUÀ | 450 | 40 | Pk ₈ | | | В | | | В | |
| | ¹PÁå§ ±Á⁻É ªÀÄÄA¢£À | 150 | 10 | · · | | | | | | | |
| | gÀ ÉŮ , ºÀ «ÄÃzÀ £ÀUÀgÀ | | | | | | | | | | |
| | ¸ÀºÁgÀ ªÀÄzÀÄªÉ ºÁ®¸ÀA¢ - | 400 | 20 | | | | | | | | |
| | ªÀÄÄRågÀ¸ÉÛ ªÀÄÄĹۥsÀ | 400 | 30 | | | | | | | | |
| | ªÀÄ£É ºÉƸÀ ªÀĹâ, | | | | | | | | | | |
| | °À«ÄÃzÀ £ÀUÀgÀ, ¹PÁå§ | | | | | | | | | | |
| | ±Á-É gÀ¸ÉÛ¸ÀĀ¢ | | | | | | <u> </u> | | | | ļ . |
| 35 | vÁď ÁªÀr ªÀÄÄRå gÀ ÉÛ | 100 | 25 | Pk ₇ | A | A | A | Α | A | A | Α |
| 200 | SÁeÁ£ÀUÀgÀ ªÀgĚUÉ GzÀÄð PÀ£ÀßqÀ ±Á¯É | 150 | 20 | DI | Α. | Α | _ | A . | Α. | Α. | Α |
| 36 | SÁeÁ£ÀUÀgÀ | 150 | 20 | Pk ₇ | A | Α | A | A | A | A | A |
| 37 | vÁď Áª Àr ª ÀÄÄA¢£À | 600 | 60 | Pk ₆ | A | Α | A | A | A | A | Α |
| 31 | aÉÄÊzÁ£À | 000 | 00 | rk ₆ | A | A | A | A | A | A | A |
| 38 | eÉÆÃgÀUÀĪÀÄäI zÀUÁð | 700 | 40 | Pk ₇ | A | Α | A | A | A | A | Α |
| | ªÉÄÊzÁ£À dqÀÓ §AUÀ¯É | 700 | 10 | I K/ | 71 | 11 | 11 | 11 | ' ' | ' 1 | 11 |
| 39 | SÁeÁ£ÀUÀgÀ ¸ÀAWÀzÀ | 400 | 40 | Pk ₁₀ | | | † | | | | С |
| | D¦üøÀ¤AzøÀAzÀ⁻ï "ÁªÀr | | | | | | | | | | |
| 40 | gÁeÁf£ÀUÀgÀ | 3000 | 40 | Pk _{8,9,10} | | | | С | | | |
| 41 | gÁªÀÄ£ÀUÀgÀ | 3000 | 40 | Pk 8, 9,10 | | | 1 | | | С | |
| 42 | ["] ÁgÁPÉÆÃIj vÁAqÁ | 1100 | 40 | Pk ₁₀ | D | | <u> </u> | | | † | |
| 43 | gÁWÀªÉÃAzÀæ PÁ®¤ | 2000 | 40 | Pk _{8,9} | | | + | | | | С |
| 43 | grown Linzia i Aem | 2000 | 40 | 1 K8,9 | | | | | | | |



| 44 | £ÀªÀgÀ¸À¥ÀÅgÀ PÁ®¤ | 1000 | 40 | Pk ₉ | D | | | |
|----|----------------------|------|----|-----------------|---|--|--|--|
| 45 | PÉ.J¸ï.Dgï.n.¹. PÁ®¤ | 1000 | | Pk ₈ | D | | | |

| | aÁ.£ÀA. 9 | | | | | | | | | | |
|------------|--|-------------|----------------|-------------------|-----|-----|-----|-----|-----|-----|-----|
| sl. no. | NtÂAiÀÄ ºÉ¸ÀgÀÄ | GzÀÝ «ÄÃ | CU À® Cr | | Sun | mon | tue | wed | thu | Fri | sat |
| 1 | ^{2a} Áf ^a ÀÈvÀÛ ¢AzÀ UÁA¢üZËPÀ | 800 | 50 | Pk ₉ | A | A | A | Α | A | Α | Α |
| 2 | UÁA¢üZËPÀ¢AzÀ §¸ÀªÉñÀégÀ ªÀÈvÀÛ | 500 | 50 | Pk ₄ | A | A | Α | A | A | Α | A |
| 3 | §¸ÀªÉñÀégÀ ªÀÈvÀÛ¢AzÀ n¥ÀÅöà ZËPÀ | 500 | 60 | Pk ₄ | A | Α | Α | A | A | Α | Α |
| 4 | ®Që÷äà C®APÁgÀ avÀæªÀÄA¢gÀ gÀ¸ÉÛUÀ¼ÀÄ | 600 | 40 | Pk ₁₁ | | | В | | | В | |
| 5 | n¥ÅÅöà ZËPÀ¢AzÀ §¸ï ¸ÁÖ÷åAqÀ UÉÃI & PÉ.¹. ªÀiÁPÉðI | 1000 | 40 | Pk ₁ | A | A | A | A | A | A | A |
| 6 | n¥ÀÅöà ZËPÀ¢AzÀ UÁA¢üZËPÀ | 600 | 40 | Pk ₂ | A | A | Α | A | Α | A | A |
| 7 | §,ÁåAqÀ¤AzÀ eÉÆÃqÀUÀĪÀÄäI & UÀqÀV ¸ÀA¢ | 1500 | 50 | Pk _{2,3} | A | A | A | A | A | A | A |
| 8 | eÉÆÃqÀUÀĪÀÄäl¢AzÀ vÁd¨ÁªÀr | 500 | 40 | Pk ₁₀ | | В | | | В | | |
| 9 | §AzÉãÀªÁd PÀmÉÖ¬ÄAzÀ «ÄãÁQë ZËPÀ dªÀÄSÁ£É UÀ°è | 600 | 30 | Pk ₁₀ | | В | | | В | | |
| 10 | «Ä£ÁQë ZËPÀ¢AzÀ w®PÀ gÀ¸ÉÛ GªÀÄfð zÀªÁSÁ£É gÀ¸ÉÛ PÀjUËqÀgÀ zÀªÁSÁ£É ¸ÀA¢ | 1000 | 40 | Pk ₁₀ | | | В | | | В | |
| 11 | «Ä£ÁQë ZËPÀ¢AzÀ «ÄzÉð UÀ°è CdgÉÃPÀgÀ ZÁ¼À ºÀ£ÀĪÀÄAvÀ zÉêÀgÀUÀÄrªÀgÉUÉ | 1000 | 30 | Pk ₁₀ | | | | В | | | В |
| 12 | ±ÉnÖZËPÀ¢AzÀ ²ªÁf ªÀÈvÀÛ | 300 | 40 | Pk ₈ | | В | | | В | | |
| 13 | ±Á°ÀÄ£ÀUÀgÀ PÉÆÃmÉUÉÆÃqÉ gÀ¸ÉÛ | 1000 | 30 | Pk ₈ | | | В | | | В | |
| 14 | UÉÆÃqÀ"ÉÆ¯É ªÀiÁ¼Á, eÉÆÃ²ªÀģɬÄAzÀ DzÀ±Àð qÉÊj gÀ¸ÉÛ | 750 | 30 | Pk ₈ | | В | | | В | | |
| 15 | «Ä£ÁQë ZËPÀ¢AzÀ ºÉʸÀÆÌ® PÀè¨ï | 1000 | 30 | Pk ₅ | A | A | Α | A | Α | A | A |
| 16 | CA"ÉÃqÀÌgÀ ªÀÈvÀÛ r.¹. D¦üøÀ §½¹ PÉÆAqÀÄ n.¹. ZËPÀ | 2000 | _ | Pk _{6,7} | A | A | A | A | A | A | A |
| 17 | SÁeÁ£ÀUÀgÀ | 1000 | | Pk ₈ | | | | В | | | В |



| | a | Á.£À | 4. 10 | | | | | | | |
|--------|--|-------------|------------|----------------------|-----|-----|-----|-----|-----|-----|
| C.£ÀA. | NtÂAiÀÄ ºÉ¸ÀgÀÄ | GzÀÝ «ÄÃ | CUÀ® Cr | Sun | mon | tue | wed | thu | fri | sat |
| 1 | §§⁻ÉñÀégÀ £ÁPÁ E¨Áæ»AgÉÆÃeÁ («¸À¥ÀÅvÉ ªÀÄ£É, ¥ÀÅuÉPÀgÀ ªÀÄ£É, §tPÁgÀ UÀ°è ¸ÀA¢üUÀ¼ÀÄ) | 2000 | 30 | Pk _{1,5} A | A | A | A | A | A | A |
| 2 | Ē"Áæ»A gÉÆÃeÁUÉÃI-UÉÆÃzÁªÀj CvÁÛgÀ ªÀÄ£É PÉ.J¸ï.Dgï.n.¹. r¥ÉÇ M¼À ¸ÀA¢üUÀ¼ÀÄ | 2000 | 30 | Pk _{6,7} | | В | | | В | |
| 3 | UÉÆÃzÁªÀj ¤Ãj£À mÁåAPÀ ²ªÁf | 1000 | 50 | Pk ₂ A | A | A | A | A | A | A |
| 4 | ²ªÁf ªÀÈvÀÛ PÉÆÃmÉ UÉÆÃqÉ gÀ¸ÉÛ §§¯ÉñÀégÀ £ÁPÁ ºÀ¼É zÀªÁSÁ£É »A¢£À ¸ÀA¢üUÀ¼ÀÄ | 1000 | 30 | Pk ₁₀ | В | | | В | | |
| 5 | SS-ÉñÀégÀ £ÁPÀ «d¥ÀÅ ¥Ánî ªÀģɪÀgÉUÉ ªÀÄÄeÁªÀgÀ ªÀÄrØ ¸ÀA¢üUÀ¼ÀÄ (£ÁPÁ dªÀÄRAr gÀ¸ÉÛ) | 2500 | 30 | Pk _{8,9} | | | В | | | В |
| 7 | Ē ⁻ Áæ»AgÉÆÃeÁ ºÀÆUÁgÀ vÉÆÃI | 1000 | 25 | Pk ₃ A | A | A | A | A | A | Α |
| 8 | ±Á¹Ûç£ÀUÀgÀ, ºÀ©ÃŞ£ÀUÀgÀ d£ÀßvÀ M¼ÀV£À gÀ¸ÉÛUÀ¼ÀÄ | 1500 | 30 | Pk _{8,9} | В | | | В | | |
| 9 | £ÀªÉÃUÀ°è, vÉÆgÀ«£ÁPÁ, (¯Á®¸Á§ zÉêÀgÀUÀÄr dªÀÄRAr gÀ¸ÉÛ | 500 | 25 | Pk _{8,9} | | В | | | В | |
| 10 | ±Á ⁻ É £ÀA.9 ªÀÄgÀUÀªÀÄä UÀÄr ±Á ⁻ É £ÀA.90 ºÉ¸ï PÁélðgÀ) | 1500 | 25 | Pk _{8,9} | | В | | | В | |
| 11 | UÀt¥Àw ZËPÀ, UÀzÀÝ®¨Á« , ªÀÄÄAdtÂÚUÀ°è EvÀgÉ | 1500 | 25 | Pk _{6,7} | | | В | | | В |
| 12 | E Áæ»AgÉÆÃeÁ, ªÀÄÄeÁªÀgÀªÀÄrØ, £ÁªÀzÀV vÉÆÃI | 2000 | 25 | Pk _{6,7} | В | | | В | | |



| | ¸ÀA¢üUÀ¼ÀÄ | | | | | | | | | |
|----|--|------|----|-----------------|---|---|---|---|---|---|
| 14 | E"Áæ»A gÉÆÃeÁ gÀ ÉÛ ºÉƸÀ zÀªÁSÁ£ÉªÀgÉUÉ ºÀÆUÁgÀ gÀ¸ÉÛ »A¢£À Nt E"Áæ»A gÉÆÃeÁ ªÉÆÃw UÀÄA§d | 1000 | 25 | Pk ₄ | | | | | | D |
| 15 | ªÉÆÃwUÀÄA§d ºÉƸÀ §qÁªÀuÉ | 2000 | 25 | Pk ₄ | D | | | | | |
| 16 | │°ÀÆUÁgÀ vÉÆÃI gÀ¸ÉÛ │°ÉƸÀ§qÁªÀuÉ | 2000 | 25 | Pk ₄ | | | | | | |
| 17 | "sÉÊgĂªÀ £ÀUÀgÀ, "sÀÆvÀqÀ PÁ®¤, °qÀPÀgï PÁ®¤, ¸ÀévÀAvÀæ÷å AiÉÆÃzÀgÀ PÁ®¤ | 2000 | 25 | Pk ₄ | | D | | | | |
| 18 | ޸ÀªÀ£ÀUÀgÀ (¹«¯ ï D¸ÀàvÉæ »A¢£À ¨ÅdÄ) | 1000 | 25 | Pk ₄ | | | | | D | |
| 19 | PËd®V vÁAqÁ | 1000 | 25 | Pk ₄ | | | D | | | |
| 20 | PÁ ⁻ ÉèsÁUÀ | 1000 | 25 | Pk ₄ | | | | D | | |
| | | | | | | | | | | |

Environmental Engineer
Jagadeesha S.R

Signature

Commissioner
R.G.Biradar

Signature with Seal

Final Copies Resubmitted by

| Environmental Engineer | Commissioner |
|------------------------|---------------------|
| M.H. Gajokosh | L. Sonnegouda |
| Signature | Signature with Seal |

