





## Public Health – contd:

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### Purely preventive health care/out patient services.

#### **RCH programme :**

**Antenatal care.  
Postnatal care. and post natal kit  
Family Welfare programme.  
Immunization (7 preventable  
diseases).**

- **Reproductive trac infection & Sexually transmitted diseases screening**
- **HIV / AIDS screening/ counseling**
- **Cancer detection.**
- **Family planning counseling.**
- **School health Programme.**
- **Tuberculosis screening.**
- **Minimum lab facilities: Hb estimation, blood grouping and Rh typing, pregnancy tests, VDRL tests, Urine-routine, Blood sugar urea creatinine .Etc..**
- **Dog bite cases treated with tissue culture vaccine.**



## Public Health - Responsibilities

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- Maternity Child Health (Immunization & Family Welfare)
- Revised National Tuberculosis Control Programme (RNTCP)
- Treatment of Dog Bites
- National Programme
  - Pulse Polio Immunization
  - HIV AIDS programme
  - Family Health Awareness Campaign
  - Cancer Screening Programme
  - Malaria Screening Programme
- Projects
  - Preventive Health Care Project
  - Bangalore Healthy Urbanization project.
  - CAMHAD--- Preventive cardiology programme
  - Contact Health Points



## Establishment – Public Health

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- **Health Centres – 29 (IPP)**
- **Urban Family Welfare Centres – 19**
- **Dispensaries – 17**
- **Mobile Dispensaries 3**
- **Ayurvedic-1, Unani-2**



## **Services in Referral Hospitals & Maternity Homes**

- In addition to the out patient services as mentioned under health centre, services offered in maternity hospitals is as follows.
- Normal deliveries.
- Sterilization- Tubectomy.
  - Laparoscopic sterilization.
  - No scalpel vasectomy.
  - Medical termination of pregnancy.

Prevention of mother to child transmission of HIV during labour.

**Birth certificates are issued free of cost in all our BMP hospitals (1 copy).**



## Referral Hospitals -- Services

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### **Services at referral hospitals as primary referral:**

The following additional services are available in referral hospitals

- Management of High risk pregnancies.
- Caesarian sections.
- Gynaecological surgery.
- Advance endoscopic surgery.
- Sonography and colposcopy in Referral hospitals.



## Cancer detection programme

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- Screening for cancer.
- Creation of awareness regarding prevention of cancer in women
- In association with KIDWAI institute of Oncology.
- Venue : in all referral hospitals, And Healthy Centers once a month on rotation basis.



## NEW PROJECTS

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- MADILU Yojane for women delivered in BBMP Hospitals having two live children
- JANANI SURAKSH YOJANE  
BPL CARD holders, SC and ST and low income group (below 17,000 for a year) are the beneficiaries
- BHAGYALAKSHMI Yojane  
Girl babies are beneficiaries





## Preventive Health care project

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- Objective

- Screening & diagnosis for non-communicable diseases (Cardio-Vascular disease, Oral Health, Ophthalmic care & ENT care).
- Counseling regarding lifestyle modification to prevent the onset of disease.
- Early Diagnosis, treatment to reduce morbidity
- Referrals and follow up.
- Health Promotion policy is in its final stages



## Bangalore Healthy Urbanization project

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- A Partnership project of BBMP, with WKC Japan, WHO (SEARO and India), Launched on 4<sup>th</sup> December 2006
- Objective
  - Optimizing the impact of social determinants of health on exposed populations in urban settings.
  - A research project involving stake holders and communities
  - Used a special technique for research and collecting data by forming Healthy Urbanization Learning circles.



## CANCER DETECTION CAMP

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- It is a partnership project between Kidwai Memorial Hospital and BBMP
- Started in March 2008
- Upto June 18 camps have been conducted
- Number of patients screened 624
- Number of PAP smears taken 376



## **MANAGED HEALTH CARE**

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Health reimbursement scheme for employees of City Corporation  
80 private hospitals have signed MOU for the scheme.  
Cash less treatment for 16,000 employees  
Employees entitled to state of the art facilities.

**BANGALORE MAHANAGARA  
PALIKE**

Health Department –Clinical

20-10-2009

CHIEF HEALTH OFFICER



CLINICAL

HO(MCH & FW) (EAST)

HO(MCH & FW) (WEST)

HO(MCH & FW) (SOUTH)

|                      |                   |                           |                         |                         |                            |
|----------------------|-------------------|---------------------------|-------------------------|-------------------------|----------------------------|
| Ulsoor Medical Suptd | HSR Medical Suptd | Srirampuram Medical Suptd | Hosahalli Medical Suptd | JJR Nagar Medical Suptd | Banashankari Medical Suptd |
|----------------------|-------------------|---------------------------|-------------------------|-------------------------|----------------------------|

GDMO

| MATERNITYHOME           | (MATERNITYHOME)       | (MATERNITYHOME)         | (MATERNITYHOME)           | (MATERNITYHOME)       | (MATERNITYHOME) |
|-------------------------|-----------------------|-------------------------|---------------------------|-----------------------|-----------------|
| Himmaiah Road           | Austin town           | Yeshwanth pur           | Rajajinagar               | Azadnagar             | Wilson Garden   |
| Cox town                | Shantinagar           | Cottonpet               | Nandini Layout            | Sirsi Road            | Pobbathi        |
| D.J.Halli               | P.G.Halli             | Manvarthpet             | Magadi Road               | Gavipuram Guttahalli  | Yediyur         |
| (UFWC)                  | Dasappa               | Ganga nagar             | Modala Palya              | N.R.Colony            | Jayanagar       |
| D.G.Halli (Bore Bank)   | (UFWC)                | M.R.Palya               | (UFWC)                    | (UFWC)                | (UFWC)          |
| Cox town(NGO)           | Austin town           | (UFWC)                  | Rajajinagar               | T.T.Mill              | Pobbathi        |
| Usloor                  | Shantinagar           | Manvarth pet            | Magadi Road               | Goripalya             | Jayanagar       |
| (HEALTH CENTRE)         | Dasappa               | Ganganagar              | Kamakshipalya(Chellaram)  | N.R.Colony            | BSK UFWC(S.S)   |
| Bhivaneshwarinagar      | P.G.Halli (NGO)       | M.R.Palya               | Peenya(NGO)               | Azendnagar            | (HEALTH CENTRE) |
| Beglur                  | H Siddaiah Road(Govt) | R.C.Pura(Lions) (NGO)   | Mahalakshmi Layout(NGO)   | G.G.Halli(Lions)(NGO) | N.S.Palya       |
| Murphy Town             | (HEALTH CENTRE)       | Yeshwanthpur(NGO)       | Hosahalli HFTC(Govt.UFWC) | Sirsi Road (IRCS)     | J.P.Nagar       |
| Bayappanahalli          | Aduodi                | Kodandarampur(NGO)      | (HEALTH CENTRE)           | (HEALTH CENTRE)       | Vidyapeet       |
| Taskar Town             | Koramangala           | Cholanayakanahalli(NGO) | Shankarnagar              | Avalahalli            | C.T.Bed         |
| K.G.Halli               | Kodhihalli            | Sirur Park(NGO)         | A.D.Halli                 | Pantharapalya         | Yarabnagar      |
| Robertson Road          | Sonnenahalli          | (HEALTH CENTRE)         | Nandinilayout             | Bapujinagar           | K.S.Layout      |
| (DISPEN,ACRY)           | (DISPEN,ACRY)         | Anjanappa Garden        | Moodalpalya               | Gangondanahalli       | (Dispensary)    |
| B.S.A. Road             | Madiwala              | Mathikere               | Govindarajinagar          | (Dispensary)          | Jayanagar       |
| Nehrupuram              | Neelasandra           | Sulthan playa           | (Dispensary)              | Hanumanthnagar        | Wilson Garden   |
| Broadway                | Aduodi                | (Dispensary)            | Vijayanagar               |                       | Yeduru          |
| Unani And Ayurveda DISP | City Dispensary       | Nagappa Block           |                           |                       | Gandhi Bazar    |
| Vasanth nagar(Disp)     |                       |                         |                           |                       |                 |

## Health Centre / UFWCs

Day Care Centres Working Hrs 9-00 a.m. To  
4.30-00 p.m.

- There are 29 HCs + 19 UFWCs in BMP.
- Both function likewise.
- Staff pattern is : 1 MO, 1 LHV, 3 ANMs.
- Mainly field work.
- The target is based on Community Needs Assessment Approach.
- Base line data of BMP is as follows:
  - Estimated Population: 52,000. Lakhs.
  - No. of Eligible couples: 7,80,000.
  - No. of Children under 5 Years: 7,02,000.

## OBJECTIVES OF HEALTH DEPARTMENT

### Services in Health Centers / UFWCs

#### Purely preventive health care/out patient services.

- RCH programme :
  - Antenatal care.
  - Postnatal care.
  - FW programme.
  - Immunization (7 preventable diseases).
- Dog bite cases treated with tissue culture vaccine.
- HIV / AIDS screening.
- Cancer detection.
- Tuberculosis Screening (RNTCP) & DOTS.
- Treatment of General illness.
- Treatment of RTI/STD Cases.
- Treatment of ARI & GE Cases.
- Drawing Malarial Smears and Treatment.
- Family Health awareness campaign (FHAC).
- Family planning counseling.
- Minimum lab facilities: Hb estimation, blood grouping and Rh typing, Pregnancy tests, VDRL tests.. Etc..
- Pulse polio Programme.
- School health Programme.
- Measles and AFP surveillance.

## Services in Maternity Home & Referral Hospitals

### A. Outpatient Service

- RCH programme :
  - Antenatal care.
  - Postnatal care.
  - FW programme.
- Immunization (7 preventable diseases).
- HIV / AIDS screening.
- Cancer detection/Screening.
- Family planning counseling and procedures ,MTP's
- School health Programme and Immunization.
- Tuberculosis screening and Dots.
- Lab facilities.
- Dog bite cases treated with tissue culture vaccine.
- Treatment of RTI/STD Cases.
- Treatment of ARI & GE Cases.
- Drawing Blood Malarial ,smear and Treatment.
- H1N1, Dengue, Chikun Guniya, Disease awareness and Treatment.



**Inpatient services.**  
**At Referral Hospitals:**

- Normal deliveries.
- Sterilization- Tubectomy.
  - Laparoscopic sterilization.
  - No scalpel vasectomy.
  - Medical termination of pregnancy.
- Prevention of mother to child transmission of HIV during labor.
- Management of High risk pregnancies.
- Caesarian sections.
- Gynaecological surgery.
- Advance endoscopic surgery/Infertility work up.
- Sonography and colposcopy in Referral hospitals.
- Hosahalli RH & H.Siddaiah Road RH are two Karnataka Govt. Recognized Laproscopic Training Centres and MTP Training centres so for 214 doctors training lap to at 139 for MTP.
- Issue of one free copy of Birth Certificate to all Babies Born in Referral Hospitals.
- Training of Nursing students
- Training Centre for LSAS (Life saving anesthetic skills) Posted from Directorate.

**B. Inpatient services.**

**At Maternity Homes:**

- Normal deliveries.
- Sterilization- Tubectomy.
  - Laparoscopic sterilization.
  - No scalpel vasectomy.
  - Medical termination of pregnancy.
- Prevention of mother to child transmission of HIV during labor.
- NST.
- Issue of one Free copy of Birth Certificate to all Babies born in Maternity Homes.
- Immunization
- CDC.
- DOTS and Counseling.
- HIV Screening and Treatment.

## RNTCP PROGRAMME

### Details of Contractual Staff

- Medical Officer -5(3 Working, 2 Vacant).
- 2<sup>nd</sup> Medical Officer – 1 (BBMP).
- STLS – 9 (8 Working).
- LTS – 24 (23 Working).
- STS – 9 (8 Working).
- TB HVs – 44 (43 Working).
- Part time accountant – 1.

**BANGALORE MAHANAGARA PALIKE REVISED NATIONAL TUBERCULOSIS CONTROL PROGRAMME  
1999-3<sup>rd</sup> Qtr 09**

| Sl. No. | Year                   | Total No. of cases Detected | Rate per lakh | Total No. of NSP REGISTERED | Rate per lakh | Conversion Rate |  |        | Cure Rate        |                                    |       |
|---------|------------------------|-----------------------------|---------------|-----------------------------|---------------|-----------------|--|--------|------------------|------------------------------------|-------|
|         |                        |                             |               |                             |               | No of NSP cases | No. of cases turned-ve after treatment | %      | No. of NSP cases | No. of Cases cured after Treatment | %     |
| 1       | 1999                   | 1743                        | 48.4          | 673                         | 18.69         | 592             | 460                                    | 77.72% | 248              | 175                                | 70.5% |
| 2       | 2000                   | 2214                        | 61.5          | 1012                        | 28.1          | 916             | 791                                    | 86.8%  | 573              | 502                                | 75.5% |
| 3       | 2001                   | 3440                        | 81.9          | 1392                        | 33.1          | 1274            | 1117                                   | 88%    | 1012             | 864                                | 85.3% |
| 4       | 2002                   | 4464                        | 106           | 1652                        | 39.3          | 1661            | 1377                                   | 83%    | 1383             | 1166                               | 87%   |
| 5       | 2003                   | 4763                        | 111           | 1768                        | 41.1          | 1683            | 1516                                   | 90%    | 1660             | 1407                               | 84.7% |
| 6       | 2004                   | 5799                        | 138           | 1928                        | 46            | 1948            | 1670                                   | 86%    | 1768             | 1483                               | 84%   |
| 7       | 2005                   | 7352                        | 167           | 2287                        | 52            | 2240            | 1682                                   | 75%    | 1928             | 1530                               | 80%   |
| 8       | 2006                   | 7058                        | 158.6         | 2182                        | 49.03         | 2146            | 1554                                   | 72.4%  | 2287             | 1481                               | 64.7% |
| 9       | 2007                   | 6326                        | 142           | 1991                        | 48            | 2092            | 1522                                   | 73%    | 2182             | 1419                               | 65%   |
| 10      | 2008                   | 5593                        | 123.1         | 1861                        | 40.9          | 1912            | 1542                                   | 80.6%  | 1993             | 1397                               | 70%   |
| 11      | 3 <sup>rd</sup> Qtr 09 | 4364                        | 127           | 1454                        | 42.2          | 1342            | 1143                                   | 85.1%  | 1478             | 1088                               | 73.6% |

## Present Status of RNTCP

- Population covered 44.5 Lakhs.
- Sanctioned 9-working 8 TB units each covering 5.5 Lakhs population.
- 50 DMCs (Designated Microscopy Centres) located in BBMP hospitals, Government hospitals, Medical Colleges, NGOs and Private sector hospitals.
- Medical College – 5 Nos.
- NGOs involved – Signed Schemes under scheme IV – 4 NGOs & under scheme I & II – 2NGOs., Unsigned 22
- Private Sector Involved – Signed Scheme 196, Unsigned 95.
- 128 DOT Centres.
- 321 DOT Providers.

## Implementation of RNTCP in BMP

- Project funded by Government of India with World Bank assistance.
- RNTCP was Pilot tested in 3 dispensaries covering a population of 3 Lakhs in 1994.
- Extended in a phased manner to cover the entire population of BMP in 1997 establishing 7 Tuberculosis Control Units (TB units).
- Establishing of District TB Control Society in 1997.
- Sanatoriums were involved in 1999.
- Medical College and other Government hospitals were involved in 2002.
- PPM (Private Public Mix) Pilot project implemented in 2003 for involving NGOs and Private Sector hospitals.
- One more TB Unit was added in 2004.

## TRAINING PROGRAMMES FOR CAPACITY BUILDING IN DOCTORS & PARAMEDICAL STAFFS

- Clinical training – Tubectomy.  
Medical termination of Pregnancy.  
Laposcopic Sterilization.  
Operative laparoscopy .  
Colposcopy.  
Cancer Screening (pap smear).  
LSAS:life Saving anesthetic skills  
training.
- HIV / AIDS awareness training.
- Biomedical waste management training given to our  
staffs periodically,
- Routine immunisation training.

## Cleaning/laundry Services

- To maintain cleanliness of the hospital we  
have privatized cleaning services and  
security services to all Maternity homes &  
Ref Hospitals, New health centers /  
Urban family welfare centers /  
Dispensaries.
- Laundry services is also privatized.
- Bio-Medical Waste management is by  
Maridi and Ramky. Co.

## Service Utilization

### Clinical facilities available in B.M.P. Hospitals is utilized by other medical educational institutions like.

Bangalore medical college-  
Kempegowda institute of medical sciences.  
M.S.Ramaiah medical college  
Dr.Ambedkar medical college  
St.Johns medical college – ADUGODI health center  
St.Philominas hospital – HSRH for Diplomats in National board (DNB).

#### **NURSING COLLEGES:**

Nursing students – from several private nursing colleges avail the clinical facilities at our hospitals.-

- 1).BMS Nursing College
- 2). Narayana Hrudayala.
- 3). Wockhardts
- 4). Kempegowda institute of medical sciences

#### **MOU WITH:**

We have entered into an Memorandum of understanding with institutions like.

- 1). Kidwai institute of oncology:conduct regular cancer screening camps.
- 2). Jayadeva institute of cardiology.
- 3). Bangalore Institute of Dental Sciences – Dental Clinic (Satellite Centre) at Adugodi Health Centre

## Certification

- ISO 9001:2000 certifies 23 of our health centres.
- These centres will be audited twice a year by National Quality Assurance and internal audit is done once in 6 months.

# I.S.O Centers

1. Anjanappa Garden Health center
2. Govindarajnar Health center
3. Mathikere Health center
4. Nandini Layout Health center
5. Shankarnagar Health center
6. Kodihalli Health center
7. D.J.Halli Health center
8. Murphy town Health center
9. Bhuneshwarenagar Health center
10. Vidyapeeta Health center
11. N.S.Palya Health center
12. Avalhalli Health center
13. C.T.Bed. Health center
14. Sultan Palya Health center
15. Sonehalli Health center
16. Yarab Nagar Health center
17. Taware kere Health center
18. Aduodi Health center
19. T.R.Mill UFWC
20. Cholanayakanahalli Health center
21. Bagalur Layout Health center
22. Tuskar town Health center
23. Moodala Palya Health center

## Stores and Inventory

- All vaccines are supplied free of cost by govt. Of Karnataka.
- Essential drugs are supplied free of cost under Remoduch and child health Programme.
- Basic drugs are available in stores.
- Other requirements (equipments, linen, etc..) are being procured through tender.
- Rs 10,000 is available for Refaral hospital, 5000 for MH/HC/Disp to buy drugs from GMS /KTTP Act



## Board of Visitors

- Objective: To ensure community involvement.
- To improve healthcare functioning.
- To get a feed back on the services rendered.
- To eradicate corruption and minimize public complaints.
- We have 6 Boards one for each Referral hospitals.
- 10 to 12 members in each board.  
Members from Public Affeers commintte, Rotarians, LIONS club members, private practitioners, and retired doctors, social workers & other NGOs constitute the board.
- Board of visitors meet once in 2-3 months.

## Specific Responsibilities / Activities of the Board.

- 1. Quarterly review meetings.
- 2. Review of activities of the health facilities in the jurisdiction.
- 3. Review plans/ Budgets /Programmes and performances of the health facilities.
- 4. Review and approve income from the user charges or other sources and Expenditure out of such funds.
- 5. Resource mobilization.
- 6. Review and re-dressal of un resolved public complaints.
- 7. proposal for better governess.

## Ambulance Services

- 14 ambulances .
- 4 of these ambulances are available at control rooms durnig night.
- 2 upgraded ambulances for emergency medical services to be procured.
- 2 vehicle to be purchased exclusively for central stores for vaccine delivery and drugs transport.

## Other Requirements

- Need for more Health Centres – as of now, we have 63 Health centres functioning in BMP. As per GOI guidelines each Health Centres having 4 field staffs will cover a population of 50,000. In BMP with 52 Lakhs population, some centres are burdened with more than 60-70 thousand population. Most of the existing centres have less than 50% of the field staffs.
- Need of up gradation of Referral hospital 's for 24 hours functioning units with Intensive care unit facilities for mother & N/B Babies (New born Intensive care unit ).
- Residential quarters to be allotted to the staffs working in that particular hospital.
- Vacancies to be filled up, Vacancy list Enclosed.



| Sl No | Users charges                                     | Enhanced New Rate |
|-------|---|-------------------|
| 1     | Out Patient fees                                  | 05.00             |
| 2     | Normal Delivery                                   | 300.00            |
| 3     | Normal Delivery with episiotomy                   | 350.00            |
| 4     | Low Forceps delivery                              | 300.00            |
| 5     | D & C (Gynaec)                                    | 100.00            |
| 6     | Evacuation  | 150.00            |
| 7     | M.T.P   | 150.00            |
| 8     | Caesarian section (L.S.C.S)                       | 500.00            |
| 9     | Tuboplasty  | 250.00            |
| 10    | Scanning  | 100.00            |
| 11    | Laparotomy & Procedure                            | 500.00            |
| 12    | Diagnostic Laparoscopy                            | 300.00            |
| 13    | Post Colpoperinioraphy                            | 200.00            |
| 14    | Vaginal Hysterectomy with P.F.R                   | 500.00            |
| 15    | Abdominal Hysterectomy with Salphigo Oophorectomy | 500.00            |
| 16    | Ovaritomy   | 400.00            |
| 17    | Cervical Biopsy                                   | 100.00            |
| 18    | Molar Pregnancy evacuation                        | 300.00            |
| 19    | Ovarian cyst, Excision                            | 400.00            |
| 20    | Ectopic rupture (Operation)                       | 300.00            |
| 21    | Blood Sugar                                       | 20.00             |
| 22    | Blood Cholesterol                                 | 20.00             |
| 23    | Anti Rabies Vaccine                               | 100.00            |
| 24    | ECG   | 100.00            |
| 25    | Blood HB  | 10.00             |
| 26    | Blood Grouping & Rh typing                        | 20.00             |
| 27    | Blood VDRL  | 10.00             |
| 28    | Serum Creasine                                    | 20.00             |
| 29    | Fitness Certificate                               | 20.00             |
| 30    | Birth Certificate                                 | 50.00             |
| 31    | Training fee student in DDMD Urology              | 2000.00           |

Progress Report of BMP Hospitals for 2007-08 & 2008-09

|                      | 2007-08  | 2008-09 |
|----------------------|----------|---------|
| No of Antenatal Case | - 42,389 | 44,710  |
| No of Deliveries     | - 24,491 | 20,209  |
| No of Sterilization  | -10,480  | 8,434   |
| Tubectomy            | - 3368   | 2865    |
| Lap Sterilization    | -7012    | 5569    |
| IUCD                 | - 5172   | 4513    |
| MTP                  | -2359    | 1977    |

| MH RH REPORT Sept-2009 |       |      |       |            |      |      |               |      |      |      |      |      |      |     |      |      |      |     |                 |    |                 |     |      |     |
|------------------------|-------|------|-------|------------|------|------|---------------|------|------|------|------|------|------|-----|------|------|------|-----|-----------------|----|-----------------|-----|------|-----|
| Name of the Zone       | ANC   |      |       | Deliveries |      |      | Sterilization |      |      | LTO  |      |      | IUD  |     |      | MTP  |      |     | Major Surgeries |    | Minor Surgeries |     | LSCS |     |
|                        | PMA   | ADM  | PT    | PM A       | AD M | PT   | PM A          | AD M | PT   | PM A | AD M | PT   | PM A | ADM | PT   | PM A | AD M | PT  | D M             | CT | D M             | C T | DM   | CT  |
| EAST ZONE - A          | 2235  | 323  | 2558  | 791        | 199  | 990  | 637           | 160  | 797  | 452  | 112  | 564  | 277  | 60  | 337  | 152  | 27   | 179 | 5               | 36 | 2               | 33  | 0    | 167 |
| EAST ZONE - B          | 2573  | 410  | 2983  | 1027       | 262  | 1289 | 265           | 70   | 335  | 154  | 44   | 198  | 356  | 74  | 430  | 110  | 35   | 145 | 2               | 0  | 0               | 0   | 0    | 0   |
| SOUTH ZONE - A         | 2856  | 430  | 3286  | 1188       | 282  | 1470 | 514           | 78   | 592  | 385  | 56   | 441  | 334  | 71  | 405  | 110  | 17   | 127 | 0               | 0  | 0               | 0   | 0    | 99  |
| SOUTH ZONE - B         | 2635  | 350  | 2985  | 1469       | 330  | 1799 | 572           | 120  | 692  | 429  | 79   | 508  | 187  | 34  | 221  | 103  | 19   | 122 | 4               | 22 | 0               | 20  | 0    | 192 |
| WEST ZONE - A          | 2819  | 326  | 3145  | 1607       | 274  | 1881 | 943           | 147  | 1090 | 626  | 32   | 658  | 213  | 45  | 258  | 86   | 31   | 117 | 12              | 0  | 3               | 0   | 6    | 254 |
| WEST ZONE - B          | 1949  | 308  | 2257  | 1049       | 235  | 1284 | 254           | 31   | 285  | 169  | 19   | 188  | 264  | 53  | 317  | 69   | 21   | 90  | 0               | 0  | 0               | 3   | 26   | 95  |
| GRAND TOTAL            | 15067 | 2147 | 17214 | 7131       | 1582 | 8713 | 3185          | 606  | 3791 | 2215 | 342  | 2557 | 1631 | 337 | 1968 | 630  | 150  | 780 | 23              | 58 | 5               | 56  | 32   | 807 |

2 Referral hospitals - H Siddaiah road Referral hospital and Hosahalli RH are recognized by Govt of Karnataka to train Dr's in laparoscopic sterilization, MTP and Tubectomy procedures for all Doctors , specialists in OBG and Surgery from all over the state. So for

- 1) 309 Teams are trained in laparoscopic sterilization
- 2) 75 doctors in MTP
- 3) 26 Trained in minilap Tubectomy
- 4) 7 doctors in IUCD

#### FUTURE PLANS

1. Up gradation of 6 Referral hospitals
2. General hospitals at 4 places in BBMP area
3. Establishment of nursing schools
4. Establishment of well equipped laboratories
5. Establishment of blood storage unit( central)