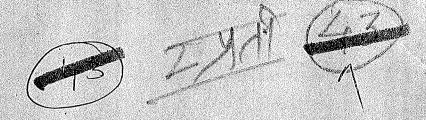
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GOVERNMENT OF MAHARASHTRA







Study on the
Leprosy Problem
In
Chandrapur District

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BY

Tribal Research & Training Institute, Pune.

1977-78



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LEPROSY PROBLEM

IN CHANDRAPUR

DISTRICT

(MAHARASHTRA)

Tribal Research & Training Institute,
Maharashtra State, Pune.

1977-78

Leprosy Problem in Chandrapur District

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FOREWARD

The study is concerned with the leprosy problem in Chandrapur District. The purpose of the study is to examine the adequacy of facilities of treatment available for lepers in this district and to suggest actual requirement of different facilities. It also studies the preventive measures, which are taken at present and its expansion actually required.

The study has been conducted under the supervision of Dr.P.R.Sirsalkar, Chief Research Officer of the Institute. The report would be of great use to the Health Department and Social Welfare Department and to the dedicated social workers, who work for the lepers in Maharashtra State.

I would like to record our appreciation for the Joint Director (Leprosy), Pune; Deputy Director (Health) and Zonal Leprosy Officer, Nagpur; District Health Officer and Medical Officers of Mul, Gadchiroli and Bramhapur for making available the data for this study. I am also grateful to Shri Babasaheb Amate for his inspiration and guidance.

(G.M.GARE)

Director? Tribal Research & Training Institute, Maharashtra State, Pune.

Chapter One

Introduction

Purpose and scope of the study

Object of the study

Affairs, Sports and Tourism Department have suggested to undertake a study about the adequacy of facilities of treatment available for lepers in Chandrapur District and the actual requirement of different facilities in this District after taking into account the special features of this district such as backwardness, hilly and forest area, poor transport facilities, low literacy persentage and low percentage of population per equare kilometre. It was also suggested to study the preventive measures, which are taken at present and its expansion actually required.

Collection of information

The necessary statistical data and other relevant information was collected mainly from the office of the Joint Director (Leprosy), Pune,

Nagpur and District Health Officer and Medical Officers of Mul, Bramhapuri and Gadchiroli, who are implementing the scheme in the field. The information has also been collected through discussions with the concerned officials of the Health Department and Shri M.D.Amte, Secretary, Maharogi Samiti, Warora. The Questionaire was issued to the concerned officers of the Health Department, working in the field to get their views about the difficulties experienced in the working of the scheme. Their suggestions for better implementation of the programme were also taken into account.

II

Facts about Leprosy

In older days Leprosy was not considered as a disease but a wisitation from God for the past sins of the sufferer. These old ideas are now being slowly replaced by true scientific facts about Leprosy. It is recognised today as a disease like any other disease. It is not hereditary nor it is conginetal. It is transmitted by an intimate and prolonged contact. It is not transmitted through food. Leprosy and Lencoderma

caused by any organism or germs and is not infectious.

It is the result of defective and inadequate

formation of skin pigment of the affected parts.

Leprosy is a communicable disease, & much less infectious than Tuberculosis of the lungs. It is caused by the leprosy bacillus. It was first discovered by Hanson in 1874.

It was estimated that twenty five lakes of people are suffering from this disease in India. Half o the cases are in Tamilnadu and Andhra Pradesh. These are high endemic states. In Maharashtra, Bihar, Orissa, West Bengal, eastern Uttar Pradesh and Mysore States, the prevalence is moderate and in the rest of India it is low.

In India about (300) million people are living in the endomic zones and are liable to risk. The statewise estimated cases are given in the following table.

Table No. (1)

Statewise estimated number of Leprosy cases

| Sr.No. | Name of the State | Estimated Mumber of cases (Million) |
|-------------------------|---------------------------|--|
| 1, | Madras | 0-64 |
| 2. | Andhra | 0,52 |
| 3. | Bihar | 0.28 |
| 4. | Maharashtra | 0,22 |
| 5. | Mysore | 0.14 |
| 6. | Orissa | 0,10 |
| 7. | Uttar Pradesh | 0,14 |
| 8. | West Bengal | 0,24 |
| 9. | Other remaining States | 0,13 |
| Spring spring spring of | Total | Since Street Str |
| | | |

Maharashtra is having a leprosy prevalence rate ranging between 7 to 8 cases per thousand population and is considered to be a moderately endemic state. The estimated cases of Leprosy is 350,000 to 400,000 and out of them one fourth are believed to be infectious.

In Maharashtra State the prevalence rate differs from district to district and from place to place in a district. The rate has been shown in the map. Wardha District has the highest prevalence rate (18.85), and Ratnagiri District has the lowest prevalence rate (1.67). Chandrapur District stands third (15.35) according to the prevalence rate of the districts of this State.

III

General Background of Chandrapur District

Chandrapur District lies between 183 and 200 north and 780 and 810 east. This district is bounded by Wardha, Nagpur and Bhandara Districts on the north, Madhya Pradesh on the east, Andhra Pradesh on the south and the east-west, Yavatmal and Wardha Districts towards west and north-west. The whole of the western and south border is un-interuptedly bounded by the Wardha, the Pranhita and the Godawari rivers. The Indravati river flows along south east boundry of the district.

The Wainganga river cuts the district into two halves. The eastern portion comprises Sironcha and Gadchiroli Talukas, which in term of area are the largest talukas in the State, occupying together 69.1% of the total area of the district. The western portion consists of 4 talukas of Brahmhapuri, Chanda, Rajura and Warora and accounts for the remaining 40.9% of the area of the District.

Administratively the district is divided into six talukas. The area, 1971 census population and the percentage of the area and the population of each taluka are shown in the following table:-

Table No.(2)

Information of area and population of Chandrapur district

| Sr. Taluka | Head Quarters | Area in square mile/sq km. | of inhe | of to- | on as | area to total | % of population in to total population |
|----------------------------|------------------------------|----------------------------|---------------------|-----------|----------------|---------------------|--|
| 1 2 | 3 | A succe copy | 5 4000 1000 1000 | 6_ | sus YA | | G 9 |
| 1.Chandrapur 2. Warora | Chandra- pur. Warora 1 | 1174.0 | 388 445 | 3 1 3 | 40078 09798 | | 6 24.4 18.2 |
| 3.Bramhapuri | Bramha- puri. (2 | 897.0 323.2) | 342 | 2 | 81394 | 8.9 | 17.1 |
| 4.Sironcha | Siron- 3 | 089.0 | 556 | - 1 | 40506 | 30.6 | 8.6 |
| 5.Rajura | Rajura | 776.3 010.6) | 249 | 2 1 | 25935 | 7.7 | 7.7 |
| Total Dist. Chandrapur. | | 88.3 | 2840 | 7 1 | 64013 | 7 100 | .0 100,0 |
| (Note-Figures | in brack | ets in C | 01.4 d | anot | e are | a in | S.L. |

The length at the north extremity from east to west is about 192 kms., while the length from south point to the northern base is about 240 kms. In terms of area the district is the biggest in the whole of Maharashtra State.

Topography: The district is broader on the north and gradually tapers down towards south.

Topographically the district can be divided into

the following four zones:

- 1. The plain fertile region in the west in the Wardha valley.
- 2. The western plain hilly region.
- 3. The Wainganga hasin, and
- 4. The eastern plain upland.

The whole of it eastern portion of the district and the south portion all along the eastern border is hilly. The important hilly ranges lie on the south. They are mainly the Tipagrah range, the Sirkunda near Sironcha, and the Gadulgatta hills to the south west of Surajgad hill. Beyond Indravati river lies the famous Bhamragadh hill which overlook confluence of three mountain rivers and is noted as an unrivelled beauty spot in the district.

Chandrapur is considered to be one of the hottest districts in Maharashtra. The immense bent combined with high percentage of humidity due to the large forest in the district makes the climate uncomfortable. Winter is equally severe. May and June are considered as the hottest months in the year. During the year 1973, the highest record was 45.5° centigrades and the minimum temparature was 13.6° centigrades.

The south western monsoon are the chief source of rain in the district. It is divided into three rain fall zones viz.:-

- 1. Eastern zone comprises Gadchiroli, Sironoha and Bramhapuri Taluka, having the mean rainfall of about 1524 mm. or 60 inches.
- 2. The control zone comprises of Chanda and Rajura Talukas having the rainfall of 1302 mm. or 50 inches.
- 3. The western zone comprises Warora Taluka having moderate rainfall about 1143 mm. or 45 inches.

IV

Leprosy in Chandrapur District

Tahsil level: In Chandrapur District the prevalence rate is not uniform. It differs from one tahsil to the other. The following table indicates the endemic rates in various tahsils of Chandrapur District.

Table No.(3)

| Sr. No. | Name of Tahsil Ex | ndemio rate | per thous | and |
|------------|-------------------|-------------|-----------|--------------|
| 1. | Gadohiroli | 16.6 | | BILINE HOUSE |
| 2. | Bramhapuri | 22.5 | | |
| 3. | Sironcha | 8 | | |
| 4. | Chandrapur | 14.8 | | |
| 5. | Warora | 10.3 | | |
| 6. | Rajur | 8 | | |

The estimated cases of leprosy in Chandrapur District are (25,000) out of 310,186 population examined during the year 1976.

Circle and unit level

The prevalence rate of leprosy, circlewise and unitwise is given in Table No. (4).

prevalence rate in Chandrapur District varies from 0.25 to 13.3. Out of 21 S.E.T. Units in Chandrapur District leprosy rate is more than 10 per thousand in 5 units and 5 to 10 per thousand in 8 units. It clearly indicates that the leprosy cases are quite sizeable in majority of the units in Chandrapur District.

The table given below gives leprosy prevalence rate sectorwise.

Table No.(5)
Sectorwise leprosy prevalence rate

| Leprosy Control Unit | No. of sectors | Legros Below | y preva 5 5-10 | 1ence_r | ate Above 2 | ainsi daka O |
|----------------------------|----------------|-----------------|-------------------|-------------|----------------|---------------------|
| Mul | 19 | 1 | 8 | 6 | 4. | |
| Gadchiroli | 19 | 1. | 5 | 5 | 8 | |
| Bramhapuri | 19 | Water | 2 | 8 | 9 | |
| Total | 57 | 2 | 15 | 19 | 21 | motor sistem dators |

Out of 57 sectors in 21 sectors the leprosy prevalence rate is more than 20, in 19 sectors it is 10 to 20. If this rate is compared with taluka average, district and national average

it is alarming in its extension as per the local doctor's word. The leprosy prevalence rates of different sectors are given in Statement I, II and III. From these figures their peculiarities may appear more clearly in a broader perspective.

Table No. (4)

Statement showing the prevalence rate S.E.T.
wise under S.E.T. Units in Chandrapur District.
Sr.No. Name of S.E.T. Prevalence rate (per thousand)

| Chand | rapur Circle | pand gase three) depth (state Grand Trees Three) | charge scores cockes colors succes succes su y a Quintal a |
|------------|-------------------------|--|--|
| 1. | Wansadi | 10.7 | |
| 2. | War or a | 3,8 | |
| 3. | Madholi | 12,6 | |
| 4. | Chandoor | 6.6 | |
| 5. | Kodshi | 5.7 | |
| <i>O</i> • | A Secretary Contraction | | 1 |
| Rajur | a Circle | .e | · · · · · · · · · · · · · · · · · · · |
| 6. | Rajura | 3,3 | |
| 7. | Kadholi | 5.6 | |
| 8. | Chincholi | 6.9 | |
| 9. | Dewada | 7.6 | |
| - - | C. | | |
| Waror | a Circle | | |
| | | • | |
| 10. | Shegaon I | 10.1 | |
| 11. | Shegaon II | 8, 9 | |
| 12. | Khadsangi | 7.2 | |
| 13. | Kosarsar | 13,3 | |
| 14. | Nagri | 10,1 | |
| Siror | icha Circle | | |
| 15. | Aheri | 3.1 | |
| 16. | Kanlapur | 0,25 | |
| 17. | Tokda | 0,48 | |
| 18. | Ghot | 7.2 | |
| 19. | Sironcha | 2.1 | • |
| 20. | Lagan | 1.9 | |
| 21. | Ankisa | 1.3 | |

Statement No.I

Statement showing the prevalence rate, sectorwise under Leprosy Control Unit, Mul in Chandrapur District

| Sr.No | Name of Sector | Prevalence rate (per thousand) |
|-------------------|----------------|--------------------------------|
| 4 | Mul | 15.6 |
| 2. | Raj Gadh | 16 |
| 3. | Vehad | 23 |
| 4. | Dembal | 2.1 |
| 5. | Saoli | 20.7 |
| 6. | Chiroli | 16.0 |
| 7. | Pombharna | 21,1 |
| 8. | Dhaba | 6.5 |
| 9. | Gond Pimpri | 13,8 |
| 10. | Kothari | 10 |
| 11. | Ballarsha | 7 |
| 12, | Chandrapur | 5.8 |
| 13. | Bhadrawati | 4.4. |
| 14. | Ghodpath | 7.9 |
| 15. | Ghugue | 9.2 |
| 16. | Chandankheda | 8.9 |
| 17. | Mohur 11 | 5.1 |
| 18. | Andargaon | 28.7 |
| 19. | Pathari. | 13.0 |
| miner stoods dogs | | |

Statement No. II

Statement showing the prevalence rate, sectorwise under Leprosy Control Unit, Gadchiroli in Chandrapur District

| Sr.No | Name of sector | Prevalence rate (per thous | and) |
|-------|-----------------|----------------------------|-----------------|
| 1. | Gadchiroli West | 36.5 | pous glass come |
| 2. | Gadchiroli East | 25.6 | , |
| 3, | Amirsa | 20.7 | |
| 4. | Perla | 36.8 | |
| 5. | Armori | 22.6 | |
| 6. | Wadsa (Rural) | 17.6 | |
| 7. | Visora | 22.5 | |
| 8. | Kadholi | 13.6 | |
| 9. | Kurkheda | 3,3 | |
| 10. | Wiragad | 12,4 | |
| 11. | Korchi | 5.1 | |
| 12. | Dhanora | 6.8 | |
| 13. | Muramgaon | 5,1 | |
| 14. | Pendhari | 6.2 | |
| 15. | Mendhalela | 9.7 | |
| 16. | Chamorahi | 28.8 | |
| 17. | Talodhi | 16.5 | |
| 18. | Bhindala | 29,2 | |
| 19. | Konsari | 13.0 | |
| | | | |

Statement No.III

Statement showing the prevalence rate, sectorwise under Leprosy Control Unit, Bramhapuri in Chandrapur District.

| Sr.No. | Name of sector | Prevalence rate 9per thousand) |
|--------|-----------------|--------------------------------|
| 1. | Bramhapuri | 10.6 |
| 2. | Arhon Nawargaon | 22.8 |
| 3. | Kirmiti-Mendha | 20.8 |
| 4. | Nagbhir | 16.5 |
| 5. | Changan | 27.6 |
| 6. | Mendki | 24.6 |
| 7 . | Mudza | 24. |
| 8. | Palaggaon-Jat | 23.9 |
| 9. | Talochi | 21.6 |
| 10. | Gangalwadi | 16.2 |
| 11. | Kotgaon | 19,2 |
| 12. | Nawargaon | 16.2 |
| 13. | Mohadi Naleshwa | r 17.2 |
| 14. | Sindewahi | 23.1 |
| 15. | Chimur | 10.4 |
| 16. | Jambalghar | 14.44 |
| 17. | Shankarpur | 9.1 |
| 18. | Nari | 21.1 |
| 19. | Bhisi | 9.6 |
| | | |

Chapter Two

Medical facilities and preventive measures

National Leprosy Control programme aims at

1) detecting of all leprosy cases specially in early
and infectious stages, 2) educating them, their
families and public, 3) putting all leprosy patients
under treatment, and 4) following up these families
and contacting for check up for signs of leprosy.

These objectives are to be achieved through the
various types of medical facilities in the given
area. The Government, Zilla Parishad and Municipal
hospitals including primary health centres and
dispensaries also treat leprosy patients in Chandrapur
District.

The District Health Officer carries out overall supervision. The Zonal Leprosy Officer and the Deputy Director of Health Services, Nagpur pay visits, inspects and guides the leprosy staff. The medical officers of Mul, Gadchiroli and Bramhapuri also supervise and guide the leprosy technicians working under them. Besides this staff, there are two non-medical assistants and nine district non-medical supervisors to supervise and inspect the work of the technicians.

In Chandrapur District the medical facilities for lepers at present are as under:-

Leprosy Control Units

There are three Leprosy Control Units at Mul, Bramhapuri and Gadchiroli, two Urban Leprosy Centres at Chandrapur and Ballarsha, one Leprosy clinic at Chandrapur with fifty beds and one Leprosy Hospital with (495) beds at Warora.

Leprosy Hospital at Warora is run by a voluntary organisation, namely the Maharogi Seva Samiti. Besides these facilities there are (18) Primary Health Centres, which are doing partial leprosy work at different places in the district. Technicians

There are (60) Leprosy technicians working in Leprosy Control Units and (21) leprosy technicians working in survey, education and treatment centres.

Voluntary organisations

The following voluntary organisations are working for the lepers in this district:-

- 1. Maharogi Seva Samiti, Warora.
- 2. Kushtarog Nirmulan Sanstha, Madhuwan Chimur.
- 3. Assisi Social Service Guild Sevasadan, Nagapalli-Ettapalli.

The Maharogi Seva Samiti under the able guidance of Shri V.D. Amte runs a hospital with (495) beds and a rehabilitation centre at warora. The Kushtarog Nirmulan Sanstha, Chimur carries out treatment work and the Assist Social Service Guild Seva Sadan runs a S.E.T. Centre covering (151) villages and (46424) population and treating (235) patients.

Survey, Education and Treatment Centre

The Survey, Education and Treatment Centres have been established at the following places in Chandrapur District.

| 1. C | handoor |
|------|---------|
|------|---------|

11. Kothari

2. Kadholi

12. Kodashi

3. Warora

13. Madhali

4. Warsadi

14. Ghaba-Chinoholi

5. Shegaon II

15. Lagam

6. Rajura

16. Shegaon I

7. Sironcha

17. Nagari

8. Kosarsar

18. Bhadravati-Kalampur

9. Aheri

19. Ankisa

10. Choti

20. Khadsangi

21. Tekda

The details of the Leprosy Control Units in the MEES sectors of Gadchiroli, Mul and Branhapuri are as follows:-

Table No.2.1 Leprosy Control Units in Chandrapur District

| Sector | Mul | Bramhapuri |
|---|---|--|
| Name of the Control Unit | Name of Control Unit | Name of the Control unit |
| 1. Gadohiroli East | Mu1 | Bramhapuri |
| 2. Gadchiroli West | Raygad | Arher-Nawargaon |
| 3. Amirga | Chiroli | Kirmitti-Mandha |
| 4. Dhanora | Pophurna | Chaugaon |
| 5. Murumgaon | Chasarapur | Nawargaon |
| 6. Mendhatola | Chod Peth | Palasgaon Jai |
| 7. Tatodhi | Bhadravati | Mudza |
| 8. Chanorshi | Chora | Talodhi |
| 9. Konsori | Saoli | Nagbhir |
| 10. Bhendala | Veh od | Gangalwadi |
| 11. Pendhari | Pathri | Sindewadi . |
| 12. Kadholi | Ghugus | Kotgaon |
| 13. Vairagad | Ballarsal | Mendki |
| 14. Armori | Kotnali | Mohali |
| 15. Virora | Gond Pipri | Chimur |
| 16. Wadsa | Dadha | Shanarpur |
| 17. Porta | Bomba1 | Weri |
| 18. Korchi | Antargaon | Jamihulghat |
| 19. Kurkheda | Mobur 11 | Bhishi |
| . Comun Aspert office spare cours of the course owner spare course owner course | dulates process significa estatus dicesso figuras | TOTAL CONTROL STATE STATES CONTROL CON |

Coverage of population by leprosy Institutions

The following table reveals the coverage of population by the Leprosy Institutions in Chandrapur District.

Table No. (2.2)

Coverage of population by Leprosy Institute in Chandrapur District

| Tahsil | Population | Leprosy Institution | Population covered |
|-------------|-------------|----------------------|-----------------------|
| 1 | 2 | 3 | 4 |
| 1. Warora | 3,09,738 | S.E.T.Unit, War or a | 40,205 |
| | | S.E.T. Unit, Madhali | 16,058 |
| | | S.E.T.Unit, Nagri | 12,382 |
| | | S.E.T.Unit, Kosarsar | 16,941 |
| | | S.E.T. Unit, Shegaon | 17,045 |
| | | S.E.T. Unit, Shegaon | II, 18,035 |
| | | S.E.T.Unit, Khadsang | 18,741 |
| | | XX L.C.UN.Mul | 78,682 |
| | | L.C.U.Brambapuri | 1,00,609 |
| 2. Gadohiro | 11 3,81,723 | S.E.T.Unit,Ghot | 23,060 |
| | | S.E.T.Unit, Lagam | 19,097 |
| | | B.C.U.Gadohiroli | 3,39,566 |
| 3. Chandrap | ur 4,00,781 | KK U.L.C. Chandrapur | 75,134 291 377 |
| | | U.L.C. Ballarpur | 34,268 |

| | 3 | anders equip explor floorie equip contra | interes commercial consistence and an analysis and analysis and an analysis analysis and analysis analysis and analysis and analysis and analysis analysis analysis and analysis analy |
|--|--------------------------------|---|--|
| 4. Sironoha 1,40,506 | S.E.T | · Unit, Aheri | |
| | | | 22,837 |
| | | .Unit,Sironcha | 18,400 |
| | S.E.T | Unit, Tekda | 18,597 |
| | S.E.T. | .Unit,Ankisa | 18,155 |
| | S.E.T. | Unit, Kamlapur | 16,083 |
| | Assi.1 | Nagapalli | 46,424 |
| ** The ** | G 15 m | ** | |
| 5. Rajura 1,25,935 | Selle La | .Unit,Rajura | 22,684 |
| | S.E.U. | .Unit, Wansali | 14,761 |
| | S.E.T. | Unit, Chanaur | 18,375 |
| | S.E.T. | Unit, Kodsi | 15,725 |
| | S.E.T. | Unit,Dewada | 17,804 |
| | S.E.T. | Unit, Kadholi | 20,682 |
| • | S.E.T. | Unit,Chincholi | 15,904 |
| . Bramhapuri 2,81,394 | L.C.U. | Mul | 34,539 |
| | L.C.U. | Bramhapuri 2, | 46,855 |
| s chank davis dries cope cope cope come cope come | etored felicials course chance | p country offices acress acress device before | Maranta Sabareka endaran djalensi dangsi |
| ummary | •. | | |
| S.E.T.Contres | No. | Population | |
| | 21 | 4,02,671 | |
| U.L.Centres | 2 | 1,09,90% | |
| Voluntary Organisation (S.E.T. Centre) | | | |
| | 1 | 46,434 | |
| . Leprosy Control Units | 3 | 10,81,1530 | |
| То | tal | 1,640,137 | fendago diasses dicessos |

Out of the total population of 1,640,137 in Chandrapur District, 310,186 i.e. 19% persons have been examined upto 31-12-1976. The number of active cases detected is 23,025 i.e. 7.4%, out of which 10,699 i.e. 4.3% are receiving treatment. The number of patients (cases) is 2029 and 395 patients in Chandrapur District have been sterlised.

The following table indicates the progress made by this programme during the period 1971 to 1976 (October).

Table 2.3
Institutional Progress

| Sr No | Name of the Institution | 1971 | 1972 | 1973 | 1974 | 1975 | 1976(f | Up Oot) |
|----------|-------------------------------|---------------|------------|-------------|---|------|--------|-----------------------|
| 1 | 22 | 3 _ | _4_ | 5_ | _ 6 | | 8 | proper specie persons |
| | Civil Dispensary | formed | 608 | 1000 | (max 8 | 67 | 67 | |
| 2. | Primary Health Centre | Short@ | Q | **** | , , , , , , , , , , , , , , , , , , , | 18 | 1.8 | |
| 3. | S.E.T.Centres (Government) | 21 | 21 | 21 | 21 | 21 | 21. | |
| 4. | S.E.T.Centre (V.O.) | Quints | 4 | Check* | 1 | . 1 | 1 | |
| 5. | Leprosy Control Units | 3 | 3 | 3 | 3 | 3 | 3 | |

| Î. | Vřbān Z | conta tens | Comp comp | 22- 3 | a divine thang | 4 | *** **** **** | ******* ****************************** | 20 2004 FINES | 100m pulp 1989 8 | enne dipole |
|----------|---------------------|------------|-----------|----------|----------------|------------|---------------|--|---------------|-------------------------------|-------------|
| . | Leprosy Centres | | | 2 | 4 | k 2 | 2 | 2 | 2 | 2 | |
| 7. | Reconstr Surgery | | | desira | | i. | S ap | ilian | dented | 1 (yet be est bli | ** |
| 8. | Leprosy Hospital | y | | . | | 1 | 1 | 1, | 1 | 1 | |
| 9. | Clinics | a troit a | 3 | 39 | 37 | 1 | 414 | 415 | 418 | 438 | |

number of S.E.T.Gentres (Government) has remained constant during the period 1971 to 1976. Similarly there is no increase or decrease in the number of Urban Leprosy Centres, Leprosy Hospitals and Leprosy Control Units. Thus the facilities created for lepers under these institutions did not increase during these years. The number of clinics has increased from 339 to 371 in the year 1972 and 414 in the year 1973.

During the year 1974 and 1975 the increase is not remarkable. During the year 1976, (2) clinics were added. Thus, during these years the number of clinics increased by (99).

The following table indicates the progress and coverage of this programme.

Table 2.4

Goverage of Leprosy programme

| Itom | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 - |
|------------------------|-----------------------|---------------|---------|-------|---------|----------------|
| Population covered | 8,93,696 | 1178944 | 1421048 | 14395 | 34 1508 | 253 1544285 |
| Village covered | 1133 | 2287 | 2462 | 2435 | 2554 | 2822 |
| School surveys | 722 | 845 | 777 | 879 | 895 | 11 66 |
| Students enumerated | 87056 | 78237 | 85789 | 99755 | 101070 | 123937 |
| Students examined | 59890 | 66 259 | 58948 | 72891 | 82202 | 93337 |
| Cases defectin school | ts | | | | | |
| surveys (L |) 3 | 18 | 4 | 7 | 8 | 7 |
| -do- (N | 70 | 131 | 80 | 140 | 91 | 141 |
| Total | 73 | 149 | 84 | 147 | 99 | 148 |
| Villages surveyed | 129 | 204 | 100 | 308 | 595 | 447 |
| Persons examined | 5 989 0 | 66259 | 58948 | 71891 | 82202 | 93337 |
| ennmerated bersons | 87956 | 78237 | 85789 | 99755 | 101070 | 123937 |

| TVON | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | ernac Grada |
|-----------------------|--------|--|-------|-------|-------|-------|----------------|
| Cases detected | | | | | | , | |
| | 123 | 251 | 57 | 225 | 306 | 188 | |
| N | 572 | 1029 | 314 | 963 | 1645 | 1.092 | |
| r <u>n</u> | 695 | 1280 | 371 | 1188 | 1051 | 1250 | |
| Active case | S | | | | | • | |
| L | 2914 | 350 5 | 3596 | 31819 | 4143 | 4761 | |
| Ŋ | 10586 | 11895 | 12449 | 13690 | 14696 | 16440 | |
| Ţ | 13500 | 15400 | 16085 | 17509 | 18839 | 21201 | |
| Cases under treatment | * • | | | | • | | |
| L | 2051 | 2290 | 2297 | 2621 | 2875 | 2513 | |
| N | 6096 | 7039 | 7271 | 8577 | 9254 | 6868 | |
| | 8147 | 9329 | 9568 | 11198 | 12129 | 9381 | |
| Pationts cu | red | | | | | | |
| | 94 | 240 | 115 | 553 | 727 | 542 | |
| Patients sterlised | | e de la companya de l | | | , · | | |
| | 38 | 108 | 91 | 135 | 103 | 244 | |

L = Lepromatous

N = Non-Lepromatous

T = Total

The above table indicates yearwise progress of the cases detected, total active cases, cases under treatment, patients cured and patients sterlised.

S.E.T. Centres, Leprosy Control Units, Urban Leprosy Centres and Leprosy Hospitals has remained constant in this period. On the record it is seen that all the villages and entire population has been covered under this programme but actually (1783) i.e. 63% of the villages have been surveyed till the year 1976 (October) and still 38% of the villages have remained unsurveyed during this period. The number of cases detected differ from year to year. The prevalence rate has remained the same inspite of the efforts made during this period.

The medical facilities have been shown in the map of Chandrapur District. It is seen from the map that the facilities appear to be inadequate in Gadchiroli, Bramhapuri, Rajura and Sironcha Tahsils of Chandrapur District. The preventive measures taken by the Health staff are also inadequate in this area.

Chapter Three

Assessment of the health facilities and the preventive measures

and preventive measures have been discussed. In this chapter efforts have been made to assess the medical facilities and preventive measures taking into consideration the factors like backwardness, hilly and forest areas, poor transport facilities, low percentage of literacy and low percentage of population per square kilometre.

on an experimental basis, one leprosy control unit was established at Mul. During the year 1955 to 1962, one medical officer and four non-medical assistants were taking care of 50,000 population.

During the years 1962 to 1969, one medical officer, onem non-medical assistant and nine leprosy technicians were in charge of a leprosy control unit, having a population coverage of 1,50,000 to 2,00,000 under their control. After 1970 onwards, one medical officer, one non-medical officer and fifteen leprosy technicians were given for one leprosy control unit having 2 lakhs population under their control. At present one leprosy technician x works for 20,000 to 25,000 population. On the basis of the study it has

been seen that practically it is not possible to cover such population by a leprosy technician in hilly and forest areas of Chandrapur District.

The Government, Zilla Parishad and Municipal Hospitals are also doing leprosy work to some extent by distributing necessary tablets to the patients once in a week and advising them to avail the medical facilities available to them. This work of the Hospitals and dispensaries need to be strengthened.

There are (21) S.E.T. Centres managed by the District Health Officer, Zilla Parishad, Chandrapur. There are three Leprosy Control Units at Mul, Gadohiroli and Bramhapuri. Each Leprosy Control Unit is devided in (19) sectors for work as mentioned in Chapter Two. Every sector has four to six sub-clinics which are visited fortnightly for clinic conduction by Leprosy technicians. Rest of the villages are ordinarily visited once in a quarter. It has been reported that the work load of a leprosy technician is more and it. is not possible to give due attention to on an average (350) cases of treatment, follow up of absentee patients and frequent contact of patients by one Leprosy It has also been reported that there is technician. duplicacy of record, as a result of it, most of his time is consumed in writing reports in various forms.

With a view to accelerate the work of a leprosy technician, the paper and writing work may be reduced to the minimum, so that he can look after to the patients and maintain regular visits to the villages Population and villages covered by S.E.Ts.

Table (3.1)
Population and villages by S.E.Ts.

| • | | | CONTROL CONTROL CONTROL CONTROL STATES CONTROL |
|-------|------------------|------------------------------|--|
| Sr.No | . Name of S.E.T. | No. of villages in S.E.T. | Population covered |
| 1. | Wansadi | 41 | 13054 |
| 2. | Warora | 27 | 42569 (Rural and urban) |
| 3. | Madhali | 26 | 15980 |
| 4. | Chandoor | 33 | 18375 |
| 5. | Kodshi | 41 | |
| 6. | Rajura | 30 | 24135 (Rural and urban) |
| 7. | Kadholi | 28 | 29282 |
| 8: | Ghimoholi | 30 | 15904 |
| 9. | Dewada (Patan) | 25 | 16764 |
| 10. 3 | hegaon I | 20 | 12970 |
| 11. | Shegaon II | 20 | 13964 |
| 12. | Khadsangi | 36 | 16575 |
| 13. | Kasarsar | 37 | 14162 |
| 14. | Nagri | 18 | 12382 |
| 15 | Aheri | 50 | 24832 |
| 16. | Kamlapur | 70 | 16083 |

| | Consulta density parasita density Consulta density parasita chiana | 2 | egison cosco | estery | ands | \$10 3 | 3 | 50400 | - earny - earny | givi j dipin | Appendix App | Signa - | etterio | epinio Organi | 4 | econ span | endb) | propa- | écako | tagopo essetta |
|------------|---|------|--------------|--------|--------|---------------|-----|-------|--------------------|------------------------|--|---------|---------|------------------|----------|--------------|-------|-------------|---------|-------------------|
| 17. | Tekd | a | | | | | 63 | | | | | | | 4 | 181 | 597 | 7 | | | |
| 18. | Ghot | | | | | | 40 | | | | | | | 6 | 237 | 71(|) | | | |
| 19. | Siro | ncha | | | | | 33 | | | • | | | | 6 | 269 | 976 | • | | | |
| 20. | Laga | m | | | | | 27 | | | | | | | 6 | 3.17 | 12(|) | | | |
| 21. | Anki | sa 🐇 | | | | | 38 | | | | | | | | 18.1 | L 5 8 | ő | | | |
| 0000 (840) | Tota | 1 | 4200 1950 | - caps | egies. | eners F | 733 | colp | tic(pri | Magne | 4000 | ctron= | 6000 | 3 | - 95(| 386 | 3 | 2009 | Strike. | 1949 |

It has im seen from the above table that the population covered by each S.E.T.Unit is not uniform in all the units. It varies from (13054) to (29282).

The S.E.Ts. cover (738) villages with 395688 population.

Population and villages covered by Leprosy Control Units in Chandrapur District

Table (3.2)

Population and villages covered by L.C.U.

Bramhapuri

| Sr.No | . Name of Sector | No.of villages | Population covered |
|-------|------------------|----------------|--------------------|
| 1. | Branhapuri | 21 | 24460 |
| 2. | Nawargaon | 15 | 20743 |
| 3. | Kirmendha | 26 | 17244 |
| 4. | Nagbhir | 23 | 18879 |
| 5. | Changan | 19 | 14151 |
| 6. | Mondki | 27 | 14021 |
| | Mudza | 20 | 12373 |

| \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | erica abus major entaga penan anjaga entan en Constantina anjaga entaga | |
|--|--|--|
| 8. Palasgaon | 18 | 19444 |
| 9. Talochi | 23 | 17575 |
| 10. Gangalwadi | 17 | 16031 |
| 11. Kotgaon | 26 | 18493 |
| 12. Nawargaon | 16 | 19027 |
| 13. Mohadi Nale | 19 | 10417 |
| 14. Sindewahi | 13 | 16456 |
| 15. Chimur | 30 | 20836 |
| 16. Jambhulghar | 31 | 22011 |
| 17. Shankar pur 18. Neri | 33 27 | 18942 21739 |
| 19. Bhisi | 30 | 17079 |
| en e ge overske hat bef olds. Elith mills light over sket over over hills skip gjør sypp som over over over | The Table of the Color of the C | adja, \$1 °00′ \$1. % a√′ adja, \$2 °00′ \$1. % |
| - Total | 434 | 347464 |
| enció despre engre com propo, conco escos encos encos propo escos engre escos encos encos | which the design which their speed which | Angle stock design today subject |

From the above table it is seen that the population covered by the different sectors is not uniform under Leprosy Control Unit, Bramhapuri. It varies from (14021) to (24460). In this sector (434) villages with (347464) population has been brought under this programme.

Table 3.3
Population and villages covered by L.C. U. Gadchiroli

| Sr. Name of sector | No.of villages covered in each sector | Population covered by each sector |
|----------------------------|---|--------------------------------------|
| 1. Gadchiroli West | 20 | 15293 |
| 2. Gadehiroli East | 14 | 16086 |
| 3. Amirza | 34. | 18729 |
| 4. Porla | 25 | 17049 |
| 5. Armori | 17 | 23114 |
| 6. Wedsa (Rural and urban) | 8 | 12063 |
| 7. Visora | 20 | 16189 |
| 8. Kadholi | 42 | 18178 |
| 9. Kurkheda | 57 | 22479 |
| 10. Wiragad | 33 | 17933 |
| 11. Korohi | 87 | 17915 |
| 12. Dhanora | 71 | 18125 |
| 13. Muramgaon | 100 | 15070 |
| 14. Pendhari | 74 | 12346 |
| 15. Mendhatola | 33 | 13275 |
| 16. Chamorshi | 15 | 17750 |
| 17. Talodhi | 33 | 15415 |
| 18. Bhindala | 23 | 16437 |
| 19. Korsari | 26 | 20229 |
| Total | 773 | 335457 |

From the above table it is revealed that the population covered by L.C.U. is not uniform in all the sector under Leprosy Control Unit, Gadchiroli. It varies from (11783) to (23114). In this sector (773) villages with (335457) population has been covered under this programme.

Table 3.4

| <u>.</u> | Population and vi | llages covered by | y L.C.U.Mul |
|----------|--------------------|-------------------|--------------------|
| Şr.N | Williams of sector | No. of villages | Population covered |
| 1. | Mu 1 | 17 | 22515 |
| 2. | Rajgaon | 19 | 22670 |
| 3. | Vehad | 24 | 24739 |
| 4. | Dembal | 20 | 1859 |
| 5. | Saoli | 23 | 23368 |
| 6. | Vhiroli. | 27 | 17631 |
| 7. | Pombhurna | 35 | 23124 |
| 8. | Dhaba | 40 | 18118 |
| 9. | Gondpipri | 33 | 22024 |
| 10. | Kothari | 18 | 16153 |
| 11. | Ballarpur | 21 | 16711 |
| 12. | Chandrapur | 32 | 26702 |
| 13. | Bhadravati | 16 | 25444 |
| 14. | Ghodpeth | 38 | 19188 |
| 15. | Ghugus | 19 | 21701 |
| 16. | Chandankheda | 29 | 19092 |

| | filtres events operat denne events events events cours denne cours | , strato niceras cropto estreta atravia atravia estre | the deliging opposes groups assured. | |
|-----------------------|--|--|--|----------------------------------|
| J. same such | | S come transport transport comes and comes | an tapa man dan one com | decorp addoor abbuta |
| 17. | Mohur 11 | 44 | 19906 | 859. |
| 18. | Antargaon | 33 | 21806 | |
| 19. | Pathari | 34 | 16999 | |
| 2023 8773 1224 | depute tractive experts experts effects effects deputs deputs deputs deputs deputs deputs deputs deputs deputs | to essense tearnes atlènica descrip colotas valvage del | cons consta cons | ecciones Operano ecciones discon |
| | Total | 522 | 379770 | ologica compre dutaria 2000 |

It is seen from the above table that the population covered by the L.C.U. is not uniform in all the sectors under Leprosy Control Unit, Mul. It varies from (1859) to (26702). In this sector, (522) villages with 3,79,770 population has been brought under this programme.

Thus in Chandrapur District out of 2840 villages having 16,40,137 population only 1729 i.e. 61% villages with 10,62,691 i.e. 64% population has been covered under three sectors viz. Gadchiroli, Mul and Branhapuri.

Sectorwise progress of the Leprosy Control Programme
Leprosy Control Unit, Gadchiroli

The following table shows number of cases registered and number of cases under treatment in each sector under Leprosy Control Unit, Gadchiroli.

Table 3.5
Sectorwise progress in L.C.U.Gadchiroli

| Sr:Name of Sect- No.or | Cr (mark) | March Coppe or | Border | the time | No.o | | es un | ler |
|---|-----------|----------------|------------|----------|---------------|-----------|---------------|--------------|
| | | • | line : | , | :L: | | | r: Total |
| | • • | * | | | | | Line cases | |
| A 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | : 3 : | 4: | 5 . | 6 | \$ par. 0,000 | 8: | 9 | \$ 10 mon |
| 1. Gadohiroli . West | 94 | 253 | 6 | 353 | 65 | 229 | 4 | 298 |
| 2. Gadchiroli W East | 72 | 175 | 3 | 250 | 47 | 117 | 3 | 165 |
| 3. Amirza | 99 | 287 | 1. | 387 | 80 | 193 | 1 | 274 |
| 4. Porla | 113 | 298 | 3 | 414 | 76 | 217 | 2 | 295 |
| 5. Armori | 136 | 374 | 12 | 522 | 119 | 223 | 5 | 347 |
| 6. Wadsa (Rural and urban) | 55 | 250 | 5 | 310 | 42 | 148 | 5 | 195 |
| 7. Visora | 85 | 296 | 13 | 394 | 72 | 207 | 11 | 290 |
| 8. Kadholi | 34 | 189 | 4 | 217 | 28 | 122 | 3 | 153 |
| 9. Kurkheda | 35 | 192 | 5 . | 142 | 25 | 63 | 3 | 91 |
| 10. Tiragad | 49 | 170 | 4 | 223 | 47 | 114 | 4 | 165 |
| 11. Korchi | 11 | 61 | . 1 | 79 | 5 | 31 | 1 | 37 |
| 12. Dhanora | 27 | 103 | 1 | 131 | 25 | 64 | **** | 89 |
| 13. Marumgaon | 5 | 53 | ##### | 58 | 3 | 30 | escano. | 33 |
| 14. Pendhari | 13 | 36 | 1 | 50 | 4000 | cara cara | estrepi | 6002 |
| 15. Mendhatela | 26 | 98 | 1 | 135 | 18 | 71. | 1 | 89 |
| 16. Chamorshi | 54 | 318 | 4 | 376 | 38 | 158 | 3 | 199 |
| 17. Talodhi | 890 | 135 | 2 | 327 | 70 | 157 | 2 | 239 |
| 18. Bhindala | 74 | 154 | 8 | 336 | 55 | 147 | 5 | 207 |
| 19. Konsari | 27 | 167 | 7 | 201 | 18 | 112 | 5 | 1.34 |

From the above table it is seen that out of 2m 3165 cases, only 3448 cases i.e. 67% cases were under treatment and the rest 33% of the cases were not under treatment. The percentage of lepromatous cases which are under treatment is 78%.

L.C.U. Bramhapuri

The following table shows number of cases registered and number of cases under treatment in each sector underLeprosy Control Unit, Bramhapuri.

Table 3.6
Sectorwise progress in L.C.U.Bramhapuri

| ***** | <u>. </u> | | | | | | | | | |
|-------|--|-------------|-------------|------------------------------|-------------|-----|-------------|-------------------------|-------|--------------|
| | . Name of . Sector | * DOM DIVID | alone com | case | ines | tr | .of eatm | cases ur ent | nd er | EPILENS |
| | | :L : | (| Bor- der Line cases | Total | . i | N | Border line cases | Total | 5 549 |
| Ī | E E E E E E E E E E E E E E E E E E E | :3 | 4 | 5 | 6 | .:7 | _ 8 . | 9 | 10 | e) |
| 1; | Bramhapur | i 76 | 182 | 8 | 3 66 | 65 | 1.57 | 77 | 229 | |
| 2; | Ar.Nawar- gaon | | 409 | 5 | 473 | 44 | 315 | 5 | 364 | |
| 3; | Kirnondha | 6 2 | 297 | 7 | 369 | 60 | 251 | 1 | 311 | |
| 4. | Nagbhir | 70 | 235 | 8 | 313 | 58 | 144 | 6 | 208 | |
| 5. | Chaugan | 77 | 30 6 | 8 | 391 | 53 | 238 | 6 | 297 | |
| 6. | Mendki | 111 | 225 | 12 | 3 48 | 28 | 101 | 1 | 130 | |
| 7. | Mudza | 60 | 229 | 8 | 297 | 49 | 126 | 4 | 179 | |
| 8. | Palasgaon | 78 | 384 | 4 | 466 | 33 | 220 | 3 | 256 | |
| 9 | Talodhi | 62 | 318 | tond | 380 | 50 | 200 | con : | 250 | |
| 10 | Gangalwa | di 68 | 337 | 7 19 | 421 | 45 | 295 | 8 | 345 | |
| 11 | . Kotgaon | 63 | 3 267 | 7 6 | 3 56 | 59 | 261 | 5 | 325 | |

| COURT COURS | 3 | trape some speak | 5 5 | 6 (1000) | 1500 tools 7 2000 tools | COCCO GOODS COCCO C | | 100 |
|---|---------|----------------------------|--------------|---|-------------------------------|---------------------|------------------|-------------------|
| 12. Nawargeon | 50 | 267 | 2 | 319 | 35 | 195 | 1. | 231 |
| 13 Mohadi Nala | 28 | 253 | 2 | 2 8 3 | 12 | 109 | 1 | 122 |
| 14.Sîndewahi | 71 | 307 | 3 | 381 | 58 | 157 | 2 | 217 |
| 15. Chinur | 38 | 179 | decay | 217 | 28 | 126 | Coults. | 154 |
| 16. Jambalghat | 51 | 267 | éjánca | 318 | 22 | 126 | energi | 148 |
| 17. Shankarpur | 47 | 123 | Store | 170 | 27 | 62 | (Tona) | 89 |
| 18. Mori | 74 | 371 | 5 | 450 | 26 | 100 | Gazzā) | 126 |
| 19. Dhisi | 34 | 131 | djase | 165 | 16 | 72 | Spany | 88 |
| çincağı evaçığı kunuşı aşırası enannı ediriri işiqiyar aşırası | the gas | Section Second Constraints | and done the | Approximate absorption of the contract of the | pulp Sittle | enne think since : | anga amaa angang | times depts times |
| Total | 1176 | 5197 | 91 | 6464 | 767 | 3256 | 49 | 4972 |

From the above table it is seen that out of 6464 cases, only 4072 cases i.e. 63% cases were under treatment and 37% of the cases were not under treatment at Leprosy Control Unit, Bramhapuri. Of the total lepromatous cases, 65, cases are under treatment at L.C.U. Bramhapuri.

Legrosy Control Unit, Mul

The following table showing number of cases registered and number of cases under treatment in each sector under Leprosy Control Unit, Mul.

Table 3.7 Sectorwise progress in L.C. U.Mul

| Maria Charachana | No. | | ges in Border | sector Total | | of oas atment | bau se | |
|------------------|---------|-------|------------------|-----------------|------------|----------------------|----------------------|-------------|
| | : : | | line cases | | L | N | Border line | Total |
| 1 2 | : :3 | 4_ | 5 | 6 | <u>:</u> 7 | _ 8 _ | cases | 10 |
| 1. Mul | 30 - | 241 | and. | 321 | 77 | 144 | - Mark | 221 |
| 2. Rajgadh | 86 | 282 | | 368 | 35 | 91 | ame) | 126 |
| 3. Vehad | 98 | 376 | e)ste | 474 | 76 | 305 | pact | 381 |
| 4. Bembal | 55 | 277 | finals : | 332 | 46 | 180 | *** | 226 |
| 5. Saoli | 74 | 237 | (| 311 | 49 | 132 | e dans | 1.01 |
| 6. Chiroli | 44 | 212 | , | 256 | 40 | 122 | erze_ | 162 |
| 7. Pombhurna | 52 | 217 | ↔ | 269 | 44 | 160 | prosp. | 204 |
| 8. Dhaba | 32 | 79 | 1000 | 111 | 26 | 59 | - | 85 |
| • | | | | | | | | |
| 9. Gondpipri | 42 | 280 | , | 322 | 31 | 205 | | 23 6 |
| 10 Kothari | 41 | 109 | describe. | 150 | 34 | . 87 | gaing. | 121 |
| 11.Ballarsha | 27 | 106 | - | 133 | 27 | 68 | Minio . | 115 |
| 12.Chandrapu | r 42 | 111 | - | 153 | 34 | 102 | ana) | 136 |
| 13.Bhadravat | i 27 | 113 | | 140 | 27 | 95 | - | 122 |
| 14. Ghodpeth | 72 | 149 | ••• | 218 | 44 | 94 | i | 1.38 |
| 15. Ghugus | 52 | 170 | week! | 322 | 24 | 108 | - | 133 |
| 16. Chandank | heda | | | | | | | |
| | 39 | 116 | - | 155 | 37 | 88 | *** | 125 |
| 17. Antargao | n 12 | 5 292 | - | 417 | 55 | 197 | gaug. | 202 |
| 18. Pathari | 5′ | 7 177 | , | 234 | _ 22_ | _105_ | | 127_ |
| Total | 108 | 5 369 | 3 | 4778 | 743 | 2425_ | 90% , gag 200 900 | 3168_ |

Table 3.8

From the above table it is seen that out of (4778) cases, only (3168) cases i.e. 66% cases were under treatment and 34% of cases were not under treatment at L.C.U.Mul. It is also revealed that 32% of lepromatous cases were also not under treatment at L.C.U.Mul.

Sectorwise progress of L.C. Units in Chandrapur District

| L.C.U. | No.of | ? oases | in s | ectors | | f cas tment | es und | ler |
|--------------------|-------|-------------|----------------------|--------|---------------|--------------------|-------------------------|----------------|
| • • | L | 1 | order ine ases | Total | L | N | Border line oases | Total |
| Gadohiroli (19) | 1147 | 3932 | 86 | 5165 | 904 | 2 484 | 60 | 3448 |
| Bramhapuri (19) | 1176 | 5197 | 91 | 6464 | 767 | 32 56 | 49 | 4072 |
| Mul (19) | 1085 | 3693 | *** | 4778 | 743 | 2425 | ; <u> </u> | 3168 |
| Total (57) | 3408 | 12822 | 177 | 16407 | 2414 (71%) | 8165 (64% | | 10688 (65%) |

From the above table it is seen that out of (3408) lepromatous cases, (2414) lepromatous cases i.e. 71% of the cases were under treatment. Out of (12822) non-lepromatous cases (8165) i.e. 64% of the

registered (10888) i.e. 65% of the cases were under treatment.

Leprosy Control Programme at S.E.T.Centres in Chandrapur District

/registered and
No. of cases
under
treatment
in each
S. E. T. S
in N
Chandra-

pur Dist. The following table shows number of cases Z Table 3.9

Progress of L.C. Programme at S.E.T. Centres

| caqa olyo | edition to the second s | Spins 4005- | econos enode aprocio ejecto se | ogien wapen bagga, elipina egista est e estatu e elipina estatu e | marks discre vitte | | onicio Onicio appropri |
|-----------|--|-------------|--------------------------------|---|--------------------|------------|------------------------------|
| Sr. | Name of S.E.T | 6209 4000 | 2 conto etera acida ecua | eputer states topos stipus | | .of der | cases treatment |
| | | L | N | Total | CONED | octos sums | system errore compact colors |
| 1 | eganga esanta epanci elancia especia. General | 3_ | 4 A | 5 | L6 | N 7 | an our can can |
| 1. | Wansadi | 27 | 112 | 139 | 20 | 79 | 99 |
| 2. | Warora | 57 | 105 | 162 | 23 | 65 | 88 |
| 3. | Madhali | 43 | 158 | 201 | 18 | 73 | 91 |
| 4. | Chandoor | 34 | 88 | 122 | 26 | 68 | 94 |
| 5. | Kodshi | 31 | 60 | 91 | 28 | 35 | 6 3 |
| 6. | Rajura | 31 | 63 | 94 | 15 | 29 | 44 |
| 7. | Kadholi | 21 | 83 | 104 | 18 | 53 | 71 |
| 8. | Chinoholi | 28 | 91 | 119 | 21 | 61 | 82 |
| 9. | Dawada (Patan) | 12 | 22 | 34 | 12 | 15 | 27 |
| 10. | Shegaon I | 35 | 105 | 140 | 25 | 68 | 93 |
| 11. | Shegaon II | 41 | 84 | 125 | 21 | 70 | 01 |
| 12. | Knadsangi | 27 | 91 | 118 | 11 | 51 | 62 |
| 13. | Kasarsar | 22 | 79 | 101 | 15 | 64 | 79 |
| 14. | Nagri | 31 | 94 | 125 | 20 | 77 | 97 |
| 15. | Aheri | 28 | 48 | 76 | 23 | 43 | 66 |

| 1 | enera status depeta teresa engas Call Annesa quanta atresa tapona escasa | Parties operate divinos | 4. and 4000 and 60 | ina sina masa mai m 5 mar anna mina mina ma | 6 , | tions done with grins | enera stato sinon B | aporto aporto |
|----------------|--|-------------------------|---------------------|---|---------------|---------------------------|------------------------|---------------|
| 16. | Kamlapur | 2 | 2 | 4 | 1 | 1 | 2 | |
| 17. | Tekda | 3 | 6 | 9 | 3 | 1 | 4 | |
| 18. | Ghot | 37 | 135 | 172 | 25 | 88 | 113 | |
| 19. | Sironeha | 18 | 40 | 58 | 16 | 32 | 48 | |
| 20. | Lagan | 17 | 25 | 42 | 15 | 24 | 39 | |
| 21. | Ankisa | 12 | 12 | 24 | 7 | 12 | 19 | |
| ANSEL MANNE CO | Total | 557 | 1507 | 2060 | 363 | 1019 | 1382 | |
| tions some | com the was the | done done tone | strate strate extre | can distant street east | No emu eces o | name ecolos ecolos ecolos | 9000 Janes 1000 | ejest staat |

It has been observed from the above table that 67% of the cases registered were under treatment and 33% of the cases were not under treatment at S.E.T. Centres in Chandrapur District. It is also observed that 35% of the cases were not also under treatment at S.E.T.Centres.

Distance of villages from the Head Warters place in L.C. Units

Leprosy Control Unit, Bramhapuri

The following table shown distance of villages in each sector from the Head Quarters place in Leprosy Control Unit, Bramhapur.

Maria 3.10

Villages and their distance from Head Quarters place

Sr.No. Name of Sector Distance from H. . Place (Kms)

| Ar.Nawargaon Kirmendha | 11 14 | |
|---------------------------|---|--|
| Kirmendha | 14 | |
| | | |
| Nagbh ir | 20 | |
| Chaugan | 13 | |
| Mendki | 34 | |
| Mudza | 44 | |
| Palasgaon | 55 | |
| Talochi | 36 | |
| Gangalwadi | 20 | |
| Kotgaon | 28 | |
| Nawargaon | 58 | |
| Mohadi Nala | 75 | |
| Sindewahi | 60 | |
| Chimur | 40 | |
| Janbalghar | 45 | |
| Shankarpur | 46 | |
| Nori | 75 | |
| Bhisi | 66 | |
| | Chaugan Mendki Mudza Palasgaon Talochi Gangalwadi Kotgaon Nawargaon Mohadi Nala Sindewahi Chimur Jambalghar Shankarpur Nori | Chaugan13Mendki34Mudza44Palasgaon55Talochi36Gangalwadi20Kotgaon28Nawargaon58Mohadi Nala75Sindewahi60Chimur40Jambalghar45Shankarpur46Nori75 |

From the table it is seen that in most of the sectors the villages are at far distance and it is not feasible to cover all the villages allotted to each leprosy technician, in the stipulated period i.e. one visit to each village in (15) days and one visit to sub clinics for clinical work in (15) days. The villages moreover are not on fair weather roads. These villages are mostly in hilly and forest area. Each village consists of number of hamlets also. The villages are visited by the staff either by bus, cycle or by foot. These peculiar geographical conditions are the obstacles in reaching the villages. In rainy season most of the villages in Bhamragad region are cut off.

Leprosy Control Unit, Gadchiroli

The following table shows distance of villages in each sector from the Head warters place in leprosy Control unit, Gadchiroli.

Table 3.11

| Sr.N | o. Name of sector Di | tance from H. V. Place | (Kins.) |
|------|----------------------|------------------------|---|
| 1. | Gadohiroli West | 12 | |
| 2. | Gadchiroli East | 12 | |
| 3. | Amirza | 15 | |
| 4. | Porla | 15 | |
| 5. | Armori | 10 | |
| 6. | Wadsa (Rural and u | ban)10 | |
| 7. | Visora | 15 | |
| 8. | Kadholi | 20 | |
| 9. | Kurkheda | 20 | |
| 10. | Wiragad | 20 | |
| 11. | Korchi | 30 | |
| 12. | Muramgaon | 30 | |
| 13. | Dhanora | 30 | e e video e vi E video e video |
| 14. | Pendhari | 40 | |
| 15. | Mendhatola | 25 | |
| 16. | Chamor shi | 10 | Sold |
| 17. | Talodhi | 15 | |
| 18. | Bhindala | 10 | |
| 19. | Konsari | 15 | |

It can be seen from the above table that the distance varies from (10) to (40) kilometres from the sector of the leprosy technicians. Frequent visits are not possible due to long distances and scattered villages. The area is hilly and is with thick ferest. The transport facilities are very poor in the region. As a result of it, the frequency of visits is possible in Gadchiroli (east) and Gadchiroli (west), Wadsa and Chamershi sectors out of (19) sectors, frequency of visits is reported to be not possible in (15) sectors of Leprosy Control Unit, Gadchiroli. Even for the supervisory staff it is not possible to pay frequent to the leprosy technicians sectors and watch their work.

Leprosy Control Unit, Mul

Saoli

The following table shows distance of villages in each sector from the Head Auarters place in Leprosy Control Unit, Mul.

Table 3.12

| Vill | ages and | their | dista | noe : | from | Head | Quarter | s place |
|---------|----------|--------|---------------------------------------|-------|------|-------|------------|---------|
| Sr. No. | Name of | sector | Dle | tang | 3 | om H. | v. Place (| (Kms.) |
| 1. | Mul | | · · | 46 | • | | | |
| 2 | Rajgaon | | | 56 | | | | |
| 3. | Vehad | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 70 | | | | |
| 4 | Bombal | | 98 5 8 | 78 | | | | |

| exercity exercity resident | (1996) (1996) (1996) (1996) (1996) (1996) (1996) (1996) (1996) (1996) (1996) (1996) | words against days called across serves and | under under |
|--|---|--|--|
| allia allia alliana elitera escura | 2 topic soon tighe soon made were note those top | S | ্ আইটার কার্যান ক্যায়েল আর্থারে অন্তর্গার বিভারত |
| 6 | Vhiroli | 8 46 | |
| 7 | Pombh urna | 66 | |
| 8 | Dhaba | 75 | |
| 9 , | Gondpipri | 60 | |
| 10 | Kothari | 33 | |
| 11 | Ballarpur | 15 | |
| 12 | Chandrapur | 00 | A control of the cont |
| 13 | Bhandravati | 19 | • |
| 14 | Ghod pe th | 27 | |
| 15 | Ghugus | 19 | |
| 16 | Chandankheda | 29 | |
| 17 | Mohurli | 42 | |
| 18 | Antargaon | 60 | |
| 19 | Pathari | 76 | |
| | | * Comment of the Comm | |

It can be seen from the above table that the distance varies from (19) to (75) kilometres and as a result of it frequent visits are not possible in this sector also.

Table 3.13

Distance of villages from the Head Quarters place
of Leprosy Control Units

| - | Distance in kilometres | | | | |
|---|----------------------------|---|------------------------------|---------------------|------------------------|
| Sector | Below | 10 10-20 | 21-40 | Above 40 | Total |
| SPROME occase extra econo procesi strane econo. | THE THE THE THE THE T | aphages Substitut Aphages propries departed | chique pageurs tables forces | e elect files | succe come area tricks |
| Branhapuri | 1 | 5 | 3 | 10 | 19 |
| Gadchiroli | ártopa | 14 | 5 | SAMPA. | 19 |
| Mul | 1 | 2 | 4 | 12 | 19 |
| 271-16 9 127625 WHERE HEADY ACRES 427-04 No. | o 2007 Holis spirit Spirit | SURFACE STATES STATES | state entre depa com | a majis synth whose | thick eves their man |
| Total | 2 | 21 | 12 | 22 | 57 |

From the above table it is seen that out of (57) Leprosy Control Units, (34) Leprosy Control Units are at a distance of twenty kilometres and more and twenty one Leprosy Control Units are at a distance of ten to twenty kilometres.

Chapter Four

CISERVATIONS AND SUGGESTIONS

- facilities available for lepers in Chandrapur District are inadequate, taking into consideration and the high prevalence rate in Gadchiroli, Mul and Bramhapuri sectors of the Leprosy Control Units and survey education and treatment centres of the district. It is, therefore, suggested that the facilities for treatment may be suitably strengthened taking into consideration the geographical area, density of population, poor means of communication, heavy rainfall etc.
- 2) From the study it is revealed that in the Leprosy Control Unit, Bramhapuri, (434) villages have been distributed among (19) technicians and on an average (23) villages are to be covered by one leprosy technician. In the Leprosy Control Unit, Gadchiroli, (773) villages are under the charge of (19) leprosy technicians and on an average (41) villages are to be covered by one leprosy technician. In the Leprosy Control Unit, Mul.

(522) villages are under the control of (19) leprosy technicians and on an average (27) villages are to be covered by one Leprosy technician. It has been found that the density of population per square kilometre (1971) in rural areas of Sironcha is (18), in Gadchiroli (50), and in Rajura (57). It has been also observed from the study that in most of the sectors, due to heavy rain fall, poor communication, scattered villages with less population and thick forest, neither the Leprosy technicians nor the supervisory staff is able to maintain frequent visits to the villages allotted to them. Supervision and control by the medical officers is not efficient. It is, therefore, suggested that each leprosy technician may be given the villages within the radius of (16) kms. and having 10,000 population. On this basis rearrangement of S.E.T.Centres and Leprosy Control Units may be done by the Joint Director of Health Services, (Leprosy), Pune, in consultation with the District Health Officer Zilla Parishad, Chandrapur, and the concerned medical officers. The present warm norm applied for this purpose may be reduced in this case taking into consideration the geographical conditions of the area.

- 3) The grant for medicine given to the Primary Health Centres is not sufficient and it is, therefore, proposed that the existing grant may be added by \$\frac{10.000}{-}\$ every year so that more facilities can be provided to the lepers by the Primary Health Centres in this district.
- 4) It is has been observed that the Leprosy Hospital, run at Hemalkasa by Shri Babasaheb Amte, is doing good service to the lepers in this area, which is cut off for six months in a year and where Governmental agency has not so far done any service for the lepers. It is, therefore, suggested that the activity of this voluntary organisation may be is strengthened by giving a grant for construction and maintenance of (20) beds hospital; one lakh for construction and thirty thousand per year for maintenance, on the basis of the grant given to the Civil Hospital, Chandrapur. This Hospital will serve the patients of Gadchiroli, Sironcha and Bramhapuri Tahsils of Chandrapur District.
- 5) It has been reported by the District Health Officer, Zilla Parishad, Chandrapur, that the present grant given for this purpose for medicine and equipment is not adequate. It is, therefore, suggested that an

additional grant of Rs. 20,000/- may be given to the District Health Officer, Zilla Parishad, Chandrapur, so that more facilities can be provided to the lepers through S.E.T.Centres.

- cf Leprosy technicians is not enough to tackle this problem effectively. It is, therefore, proposed that one community level worker may be appointed to assist each leprosy technician. He will be a liaison person between the patients and the leprosy technician and will help the leprosy technician in his work of survey, education and training. Suitable number of posts of community workers may be created and willing people may be appointed for this work from the local communities of the area.
- officers that the present number of beds for leprosy patients in Primary Health Centres is not adequate and it is, therefore, proposed that ten beds for leprosy patients may be made available in rural hospitals at Gadchiroli, Aheri, Kurkheda, Sironeha and Ettapalli.

- Purpose worker has been appointed for ten thousand population and one female multi-purpose worker for five thousand population. The male worker has to work within a radius of (15) miles and the female worker has to work with a radius of five miles. This scheme may be applied as a pilot project first in Bhamragad region, where the nature is very harsh and the people are very backward and suffering from Leprosy and Tuberculosis. If it is proved successful in that area, the same may be extended to other areas having more prevalence rate.
- 9) With a view to orient the medical officers and para-medical staff concerned with this programme. It is proposed that the medical officers and paramedical staff of Chandrapur District may be given orientation training from time to time, so that they can better supervise and guide the leprosy workers.
- Health Officer is unable to give undivided attention to this issue as he is charged with the entire work of health facilities of the district. It is, therefore, proposed that one medical officer (Leprosy), Class II, may be appointed exclusively for this purpose and one senior clerk and one junior clerk may be appointed for his assistance in the office. At present the District

Health Officer is unable to concentrate on this work due his multifarious activities and, as such, there is an urgent need of one medical officer for Leprosy work in this district.

- 11) It has been seen that grant of is. one lake has been given to the General Hospital, Chandrapur, for the construction of twentyk beds for lepers. The construction work has not been started. With a view to provide hospital facilities to the lepers, it is proposed that the work of construction of building for lepers may be expedited by the District Medical Officer, Zilla Parishad, Chandrapur, and it should be ensured that the construction work is completed as early as possible.
- of the leprosy technicians are in the villages where there are no residential facilities. As a result of it, the staff finds it difficult to work in such villages. It is, therefore, proposed that at the Head Quarters of each leprosy technician, a phased programme of construction of houses may be taken up immediately by the Health Department to provide these people free governmental accommodation. This will serve as an incentive to serve in the area.

- 13) It has been reported that the Leprosy technicians have to visit villages on foot, cycle or by S.T.Bus. The poor means of communication is an obstacle in reaching villages and contacting the patients continuously. It is, therefore, proposed that lean on priority basis may be sanctioned to these workers for purchasing motor cycles.
- 14) It has been found that the thick forest, hilly ranges and rivers do create obstacles in visiting villages by a leprosy technician alone. The hamlets are scattered and are at a distance. With a view to provide more attention to the leper patients in forest, hilly and remote areas, it is proposed that one attendant may be provided to each leprosy technician so that both of them will travel together either on foot or on cycle or in a bus, if necessary.
- and leprosy technicians are not attractive to serve in such difficult areas. It is, therefore, proposed that 20% of the basic pay may be given in addition to the existing pay to each leprosy worker in Gadchiroli, Sironcha, Rajura and Bramhapuri Tahsils of Chandrapur District on the analogy of the additional pay given to Project offficers of Tribal Welfare Department. This will serve as an incentive to serve the lepers in this difficult area.

- 16) It has been seen that most of the leprosy technicians are unable to cope with the present load of work regarding survey, treatment and education. It is, therefore, proposed that the number of leprosy technicians may be increased with a view to provide better facilities to the lepers.
- oreated under the Medical Officer (Leprosy) at a Chandrapur. This unit will take up the health education programme effective in tribal areas of this district. The objectives of the unit will be as under:-
 - A) To develop the correct attitude towards leprosy.
 - B) To enlist the active participation of the people in the implementation of the scheme.
 - C) To create awareness about Leprosy problem.
 - D) To encourage people to adopt precautions in reducing the sources of infection.

The health education programme may be taken up through posters and slides prepared in local dialects.

18) It is not possible for the existing non-medical workers to visit the prescribed villages in the prescribed time due to poor communication and geographical conditions. It is, therefore, suggested that an attendant and loan for motor cycle, on priority basis, may be provided to the non-medical workers also for effective supervision and mixtures guidance.

- 21) It has been reported that the response of the people is very poor for this programme. It is, therefore, suggested that orientation training shibirs of Sarpanch, Panch, youths, women, Gram Sevaks, Patwaris etc. may be organised at the primary health centres of the district with a view to enlist the active co-operation of the officials and non-officials working in the area.
- 22) It has been seen that the supervision and control by the medical officers is not effective. Lack of proper supervision and guidance results in poor performance. With a view to activise this work, it is proposed that sufficient amount for petrol may be provided to the medical officers for the work of leprosy.
- conditions, the leprosy technicians are not able to visit frequently the villages, allotted to them. As a result of it, it has been observed that the Health **preserved** programme is not being carried out effectively by them, which makes the case detection programme and the treatment programme rather difficult. The old out dated notions about Leprosy have to be replaced by the modern concept of giving true facts about the disease to the **people in simple language. It is, therefore, suggested that the Health

Education programme should be taken up effectively by the leprosy workers in their respective villages. The medical officers concerned should ensure that the programme is carried out by the sub-ordinate staff.

- It has been observed that at present there 24) is a Rehabilitation Training Centre at Warora managed by the dedicated and devoted social worker, Shri Babasaheb Amte. It has been stated that those persons having no deformity can work as efficiently as any Those who other healthy person of the same calibre. have some grade of demornity has a working capacity ranging from 70% to 100%. It is necessary to train the oured leprosy patients in trades and crafts, suitable to the area, such as printing, spinning, carpentary etc. It is, therefore, suggested that one leprosy hospital of ten beds and a Rehabilitation Centre may be established at Allapalli to cater to the needs of cured lepers of the area. This rehabilitation centre will also serve as training-cum-production centre.
- 25) It has been stated that the National Leprosy Control Programme aims at 1) detection of all leprosy cases, specially in early and infectious stages; 2) educate them, their families and public; 3) to put all leprosy patients under treatment; and 4) follow up their families and contracts for check up

for signs of leprosy. On the basis of study it has been observed that the Leprosy Control Units of Gad-chiroli, Bramhapuri and Mul are not able to fulfill the derived aims due to difficult geographical conditions and scanty leprosy staff. It is, therefore, proposed that these units should be provided the required facilities for this work such as man power, sufficient funds for ma medicine and petrol, residential facilities and special allowance for the staff etc., so that these units can achieve the desired goals within a specific period.

- 26) It has been reported that the people are not co-operating with programme. With a view to motivate the people, it is suggested that the programme of medical education may be expanded through slide shows, exhibitions, seminars etc. Lectures through the Madia dialect may be arranged so that the Madia Tribals will be able to understand the information given to them.
- 27) It has been observed that the facilities of transport and communication are poor in this district. The road length per hundred squiarek kilometre of the area in 1972-73 was 9.96 kms. in Chandrapur District where as the same in the adjoining districts of Nagpur, Amravati, Yavatmal and Akola was 19.59 kms., 11.32 kms., 25.63 kms. and 27.19 kms. respectively. In fact this is one of the main reasons for the economic

backwardness of this otherwise potentially rich district in forest and mineral resources. It is, therefore, proposed that in Gadchiroli, Bramhapuri, Sironcha and Rajura Tahsils, especially, the programme of construction of roads, bridges and culverts may be taken on priority basis, so that no area will remain cut off for many months from the neighbouring areas. The net work of communication will also assist the health and development programmes to reach the weaker sections of the EMEXIMENT Society living in hilly and forest areas.

28) It has been observed that in the Leprosy Control Unit, Bramhapuri, out of 6464 cases only 4072 cases i.e. 63% of the cases were under treatment and in the Leprosy Control Unit, Gadchiroli 67% cases were under treatment and 33% of the cases were not under treatment. In the Leprosy Control Unit, Mul, 66% of cases were under and 34% of cases were not under In the S.E.T. Centres also 67% cases were treatment. under treatment and 33% cases were not under treatment. It is necessary to follow the cases, which are not under treatment frequently by local visits, giving more attention to each leprosy patient and ensuring that they regularly avail of the medical facility & made available The concerned medical officers should give serious thought to this issue and ensure that the follow up work is carried out by the leprosy technicians regularly.

29) It has been stated that prior to the year 1955, the Government did not take much interest in this work. From the year 1955, the Government decided to use D.D.S.in Government, municipal and aided hospitals. It has been observed that mere distribution of D.D.S. Tablets to the lepers does not solve the problem. With a view to give better attention to the lepers in these hospitals, it is proposed that this work which is attended at present, once in a week, may be taken thrice in a week, if subspecting and sufficient quantity the response of the patients, should be placed at the disposal of the hospitals for distribution to lepers.

Dg midians

Centres 65% of Lepromatous cases registered are under treatment and 35% of the cases are not under treatment. In the Leprosy Control Unit, Mul, 32% of Lepromatous cases are not under treatment. In the Leprosy Control Unit, Gadchiroli and Bramhapuri the percentage of Lepromatous cases which are not under treatment is 22% and 35% respectively. Thus it is seen that in these four Leprosy Control Units, on an average, 31% of the Lepromatous cases registered are not under treatment. Leprosy is not a killing disease. An infectious case, Lepromotous (bacterio-positive) is the source and reservoir of infection. This disease invalidates the sufferer by causing deformities, sinking of nose, paralysis of feet, hands and face. It is, therefore,

suggested that continuous efforts may be made by the leprosy staff to bring these Lepromatous cases under treatment and ensure that such people do not cause infection to others.

- 31) It has been observed that a number of beggars also suffer from Leprosy. These people move from one place to another without any restriction. It is, therefore, proposed that leper beggars may be kept in Beggar Homes where treatment facilities are made available to them.
- 32) It has been reported that the work load of a leprosy technician is more and it is not possible to give due attention to, on an average, (35) cases of treatment, follow up of absentee patients and frequent contacts of patients by one leprosy technician. It is, therefore, suggested that the load of work of leprosy technician may be examined by the office of Joint Director, (Leprosy) and practical and feasible load of work may be prescribed for each leprosy technician.
- 33) It has been reported that in paper work, there is duplicacy of record, as a result of it, most of the time of a leprosy technician is consumed in report writing. It is, therefore, proposed that this

issue may be examined by the Joint Director (Leprosy)
and it is suggested that the paper work may be
reduced to the minimum, so that it will leave
sufficient time for a Leprosy worker for field visits.

- 34) It has been observed that the preventive measures to control the Leprosy in Chandrapur District are not adequate. It is, therefore, suggested that in such areas, where the prevalence rate is very high, sufficient preventive measures should be taken by the Health Authorities, ensuring that the disease is not spreading in the area and the prevalence rate is reduced, within a specific time.
- organised by the Joint Director (Leprosy) in which officials and non-officials working in the field of leprosy control and treatment may be invited with a view to take stock of the problem in Leprosy in Maharashtra State.

Chapter Five

Summary of suggestions and future plan of action

(I) Summary of suggestions

- 1) The facilities for treatment of lepers may be suitably strengthened taking into consideration the geographical area, density of population, poor means of communication, heavy rainfall etc.
- 2) Each leprosy technician may be given the villages within the radius of (16) kms. and having ten thousand population and on this basis rearrangement of S.E.T.Centres and Leprosy Control Units may be done by the Joint Director (Leprosy), Health Services, Pune, in consultation with the District Health Officer, Zilla Parishad, Chandrapur, and the concerned medical officers. The present norm applied for this purpose may be reduced in this case, taking into consideration the geographical conditions of the area.
- 3) The existing grant of medicine is inadequate and same may be added by Rs. 10,000/- every year, so that more facilities can be provided to the lepers by the Primary Health Centres.

- 4) The activity of Loka Biradari Prakalp managed by Shri Babasaheb Amte may be strengthened by giving a grant of Rs. one lakh for construction of (20) beds hospital and Rs. thirty thousand per year for maintenance.
- 5) An additional grant of Rs. 20,000/- may be given for purchase of medicines to the District Health Officer, Zilla Parishad, Chandrapur, so that better facilities can be provided to the lepers in S.E.T.Centres.
- 6) One community level worker may be appointed to assist each leprosy technician and willing people may be appointed for this work from the local communities of the area.
- 7) Ten beds for leprosy patients may be made available in rural hospitals at Gadchiroli, Aheri, Kurkheda, Sironcha and Ettapalli.
- &) The scheme of multi-purpose worker may be started as a pilot project in the Bhamragad region where the people are very backward. It it is proved successful in this area, the same may be extended to other areas of Sironcha, Gadchiroli, Bramhapuri and Rajura Tahsils of Chandrapur District having more prevalence rate.

- 9) The medical officers and para-medical staff concerned with leprosy may be given orientation training, time to time, so that they can better supervise and guide the leprosy workers.
- may be appointed exclusively for the leprosy work at Chandrapur under the District Health Officer, Zilla Parishad, Chandrapur, and one senior clerk and one junior clerk may be appointed to assist him in his office.
- 11) The work of construction of building for lepers at Chandrapur may be expedited by the District Health Offices and ensured that the construction work is completed as early as possible.
- 12) A phased programme of construction of houses for the leprosy technicians may be taken at their Head quarters.
- 13) Loan on priority basis may be sanctioned to leprosy technicians and non-medical workers for purpose of motor cycles for their work.
- 14) One attendant may be provided to each leprosy technician with a view to increase the frequency of visits to the villages.

- 15) Incentive at the rate of 20% of the basic pay may be given to all the medical staff in Gadchiroli, Sironcha, Rajura and Bramhapur Tahsils of Chandrapur District, on the analogy of additional pay given to the project officers of the Tribal Welfare Department.
- 16) The number of leprosy technicians may be increased with a view to provide better facilities to the lepers.
- 17) A special health education unit may be created under the Medical Officer (Leprosy) at Chandra-pur.
- 18) One attendant may be provided to each non-medical worker so that he can increase his frequency of visits to the villages.
- 19) Rearrangement of sectors may be made on uniform population basis, as suggested in recommendation No.(2).
- 20) Special efforts may be made by the leprosy staff to detect more number of cases in the area where the prevalence rate is very high.
- 21) Orientation training shibirs of panch, sarpanch, youths, women, gram sevaks, patwaris etc.may be organised at the Primary Health Center level.
- 22) Sufficient amount for petrol may be provided to the medical m officers for the work of leprosy.

- 23) The Health Education Programme should be taken effectively by the leprosy workers in their respective villages. The medical officers should ensure that the programme is carried out by the subordinate staff.
- 24) One leprosy hospital of ten beds and a rehabilitation centre which will serve as training-cum-production centre may be established at Ettapalli.
- 25) The Leprosy Control Units of Gadchiroli Bramhapuri and Mul should be provided with necessary facilities for work, such as sufficient provision for petrol and medicine so that they can achieve the desired goals in the stipulated period.
- 26) The programme of medical education may be expanded through slide shows, exhibitions, lectures, seminars etc.
- 27) The programme of construction of roads, bridges and culverts may be taken on priority basis in Gadohiroli, Sironcha, Bramhapuri and Rajura Tahsils of Chandrapur District with a view to reach health and developmental programmes in hilly and forest areas.
- 28) The medical officers should ensure that the follow up work of the non-attending cases is carried out regularly by the leprosy technicians.
- 29) The work of distribution of tablets to lepers is at present attended once in a week. This

work may be expanded thrice in a week, if the response of the patients is satisfactory.

- 30) Continuous efforts may be made by the leprosy staff to bring lepromotous cases under the treatment and ensure that such people do not cause infection to others.
- 31) Leper beggars may be kept in Beggar Homes, where treatment facilities are made available to them.
- 32) The load of work of leprosy technicians may be examined by the office of the Joint Director, (Leprosy).
- 33) The paper work may be reduced, avoiding duplicacy in writing work.
- 34) In the areas having high prevalence rate, sufficient preventive measures should be taken by the health staff, ensuring that the disease is not spreading in the area and the prevalence rate is reduced within a specific time.
- 35) Every year seminar on leprosy may be organised by the Joint Director (Leprosy) in which. officials and non-officials doing the work of leprosy may be invited with a view to take stock of the problems of leprosy in Maharashtra State.

(II) Future plan of action

The future plan of action regarding the problem of leprosy in Chandrapur District has been indicated in the summary of suggestions. recommendations are accepted by the Health Department the Joint Director (Leprosy), Health Department may send specific proposals to the Government on the basis of these specific suggestions. The leprosy problem appears to be serious in certain parts of Gadchiroli, Sironcha, Bramhapuri, Mul and Rajura areas, and therefore, it will have to be dealt with seriously. The suggestions, if taken into consideration by the Health Department early, the medical facilities for lepers in Chandrapur District will be adequate and help in controlling the disease in the areas having high prevalence rate. This report will serve to the cause of the lepers. I end the report by quotting Swami Vivekananda:-

"The poor and the miserables are for our salvation, so that we may serve the Lord, coming in the shape of the diseased, coming in the shape of the lunatio and the leper".

另一编版,只是的复数首的国际地域最近的一种的代码是一种,对自由的现象等。 的复数印度起源

你能说,你还会没有我的,**她就**在这个老人的,我们还不是一个的,她是是

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