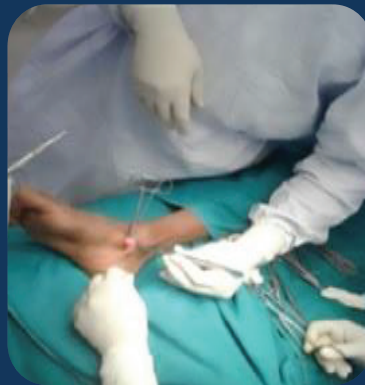
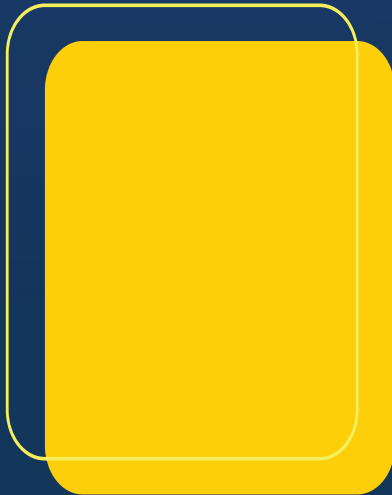




ANNUAL REPORT 2018-19



CENTRAL LEPROSY TEACHING AND RESEARCH INSTITUTE (CLTRI)

Directorate General of Health Services (DGHS)
Ministry of Health and Family Welfare
Government of India
Chengalpattu, Tamil Nadu - 603 001.



ANNUAL REPORT

2018 - 19



CENTRAL LEPROSY TEACHING AND RESEARCH INSTITUTE [CLTRI]
DIRECTORATE GENERAL OF HEALTH SERVICES (DGHS)
MINISTRY OF HEALTH & FAMILY WELFARE,
GOVERNMENT OF INDIA
CHENGALPATTU-603001, TAMIL NADU

CENTRAL LEPROSY TEACHING AND RESEARCH INSTITUTE [CLTRI]

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Director's Message

It gives me immense pleasure and pride in bringing forth the achievements and activities of this prestigious institute for the year 2018 – 19 in the form of annual report. Initiated as Lady Wellington Leprosy Sanatorium in 1924, this institute has homed lakhs of Leprosy affected persons and continuous to the same with utmost care and dedication, considering that as the foremost responsibility of the institute.



The institute also shoulders the responsibility of training medical and paramedical personnel from various states across the country on the various aspects of leprosy, the details of which are brought out in this report. The institute also supports the Central Leprosy Division in providing inputs, development of guidelines and training materials, Monitoring and Evaluation of NLEP activities. Also highlighted in this report are the operational research activities initiated here focusing on various aspects of leprosy like its etiology, diagnosis, drug resistance screening and quality assurance of smear microscopy and predictive modelling.

The faculty participation in various conferences, training, workshops, seminars and guest lectures delivered are also mentioned which can drive and motivate other colleagues. The organization setup, staff position, various committees initiated and efficient role of administrative section all find a mention here. Also introduced in this report are the constraints and challenges that need to be addressed.

I would like to express my sincere gratitude to each and every member of this institute for extending their wholehearted cooperation with sincerity and dedication throughout the year. I also expect them to continue the same in the future also.

I also take this opportunity to acknowledge the continuous support and guidance provided by the Ministry of Health and Family Welfare, Directorate General of Health Services and Central Leprosy Division.

I acknowledge the contribution of all officials involved in bringing out this annual report for the year 2018-19.

Dr. VINEET K. CHADHA
DIRECTOR

LIST OF ABBREVIATIONS

AD	: Additional Director
AEBAS	: Aadhaar Enabled Biometric Attendance System
AIIMS	: All India Institute of Medical Science
ALCF	: Active Leprosy Case Finding
AMR	: Anti-Microbial Resistance
ANCDR	: Annual New Case Detection Rate
ANS	: Assistant Nursing Superintendent
ASO	: Assistant Section Officer
CGHS	: Central Government Health Services
CHS	: Central Health Services
CLD	: Central Leprosy Division
CLTRI	: Central Leprosy Teaching & Research Institute
CME	: Continuing Medical Education
CMO	: Chief Medical Officer
CPCSEA	: Committee for the Purpose of Control and Supervision of Experiments on Animals
CPWD	: Central Public Works Department
CRRI	: Compulsory Rotatory Residential Internship
DDG (L)	: Deputy Director General (Leprosy)
DDO	: Drawing and Disbursing Officer
DGHS	: Director General of Health Services
DEO	: Data Entry Operator
DFIT	: Damien Foundation India Trust
DLC	: District Leprosy Consultant
DLO	: District Leprosy Officer
DNT	: District Nucleus Team
DPMR	: Disability Prevention and Medical Rehabilitation Services
DTE	: Domestic Travel Expenses
EQA	: External Quality Assurance
FI/JFI	: Field Investigator / Junior Field Investigator
G2D	: Grade 2 Deformity
GDMO	: General Duty Medical Officer
GEM	: Government e-Market
GFR	: General Financial Rules
GOI	: Government of India
GST	: Goods and Services Tax
IAEC	: Institutional Animal Ethics Committee
ICMR	: Indian Council of Medical Research
IEC	: Institutional Ethics Committee
INGAF	: Institute of Government Accounts and Finance

ISTM	: Institute of Secretariat Training and Management
JMIAG	: Joint Monitoring Investigation & Advisory Group
LCDC	: Leprosy Case Detection Campaign
LDC	: Lower Division Clerk
MACP	: Modified Assured Career Progression Scheme
MB	: Multi Bacillary
MCR	: Micro Cellular Rubber
MDT	: Multi Drug Therapy
M&E	: Monitoring & Evaluation
MO	: Medical Officer
MOHFW	: Ministry of Health & Family Welfare
MPR	: Monthly Progress Report
MSSRF	: Dr. M.S. Swaminathan Research Foundation
MTS	: Multi-Tasking Staff
NFSG	: Non-Functional Selection Grade
NGO	: Non-Governmental Organization
NIE	: National Institute of Epidemiology
NIRT	: National Institute for Research in Tuberculosis
NLEP	: National Leprosy Eradication Programme
NMS	: Non- Medical Supervisor
NTI	: National Tuberculosis Institute
OE	: Office Expenditure
PAL	: Persons affected with Leprosy
PB	: Pauci-Bacillary
PCR	: Polymerase Chain Reaction
PFMS	: Public Financial Management System
PHC	: Primary Health Centre
PMW	: Para Medical Worker
PWD	: Persons with Disability
RCS	: Re-constructive Surgery
RTI	: Right to Information
SAG	: Senior Administrative Grade
SNO	: Senior Nursing Officer
SSC	: Staff Selection Commission
SSS	: Slit Skin Smear
SLAC	: Sparsh Leprosy Awareness Campaign
SLO	: State Leprosy Officer
S&M	: Supplies & Materials
SMO	: Senior Medical Officer
TDS	: Tax Deducted at Source
TRG	: Technical Resource Group
UDC	: Upper Division Clerk

1. ABOUT THE INSTITUTION:

Central Leprosy Teaching and Research Institute (CLT&RI), Chengalpattu was originally established in 1955 by the Government of India under a Governing Body by taking over the “Lady Wellington Leprosy Sanatorium” (LWLS) established in 1924. Later in 1974, CLT&RI was made a subordinate office of the Directorate General of Health Services, Ministry of Health & Family Welfare, Govt. of India, with an objective to provide diagnostic, treatment and referral services to leprosy patients, trained manpower development for leprosy control / elimination besides, research on various aspects of leprosy and its control.

The Institute is located in Tirumani Village, Chengalpattu taluk at a distance of 60 kms south of Chennai city and 06 kms from Chengalpattu railway station/bus terminus and well connected with transport facilities.

It has separate divisions for Clinical services, Surgery and Physiotherapy, laboratory services and division of Epidemiology and Statistics. The institute has a 124 bed hospital catering to both indoor and outdoor patients round the clock.

VISION

- ❖ To establish as the International Centre of Excellence in Hansen's disease.

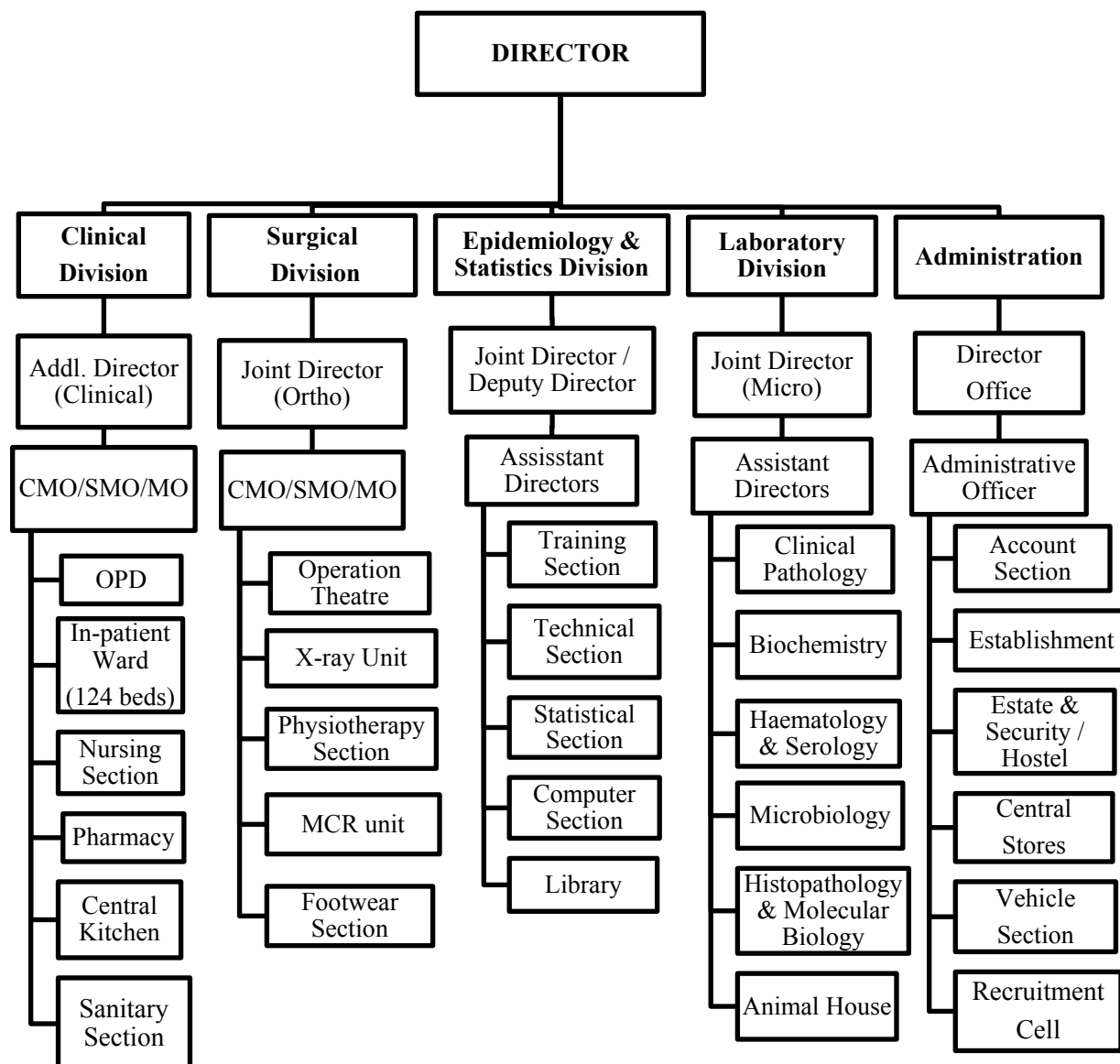
MISSION

- To develop internationally acclaimed technical expertise in Hansen's disease
- To provide best quality service to persons affected with leprosy.
- To conduct operational research to improve areas of technical, administrative and services of National Leprosy Eradication Programme (NLEP).
- To provide specialist services for rehabilitation of persons cured of leprosy.

KEY OBJECTIVES (Revised)

1. Capacity building for efficient implementation of NLEP and involvement of all health personnel including secondary and tertiary care institutions in anti-leprosy activities.
2. To provide specialized services for diagnosis & treatment of leprosy, management of complications and reconstructive surgeries.
3. To undertake research including operational and advance research in order to accelerate progress to disease elimination.
4. To Monitor and Evaluate the National Leprosy Eradication Programme (NLEP) at all levels.
5. To function as centre of excellence in anti-leprosy work in the country.

2. ORGANOGRAM:



The institute is headed by Director belonging to Public Health Specialist sub-cadre of CHS (Senior Administrative Grade). The Director is involved in administrative, technical and financial matters of the institute. He is the controlling authority for officers and other staffs of the establishment. Director is the appointing and disciplinary authority for certain Group 'B' and 'C' employees. The Director has also the powers to implement the rules and regulations of the competent authority. Director is supported by Additional Director (Clinical), Chief Medical Officers, Specialists, Medical Officers and other technical and administrative staff.

3. DIVISIONS & FUNCTIONS OF THE INSTITUTE:

3.1 EPIDEMIOLOGY AND STATISTICS:

The Epidemiology & Statistics division remains one of the main pillars of the institute, managed by public health specialists and other technical / non-technical staff. The division is headed by Deputy Director (Epidemiology). The division has training, technical, statistical and computer sections. The key functions of the division include:

1. Training / Capacity building of medical, paramedical workers, undergraduate and postgraduate students in NLEP
2. Monitoring and Evaluation of NLEP at District level.
3. Surveillance and outreach activities
4. Operational and implementation research related to leprosy and NLEP.
5. Providing technical inputs for guidelines / training modules and policy formulation
6. To develop and maintain management information system for the institute and NLEP.
7. To design, implement and maintain the data management and processing / software programs.
8. Partnership and collaboration with other organizations

3.2 CLINICAL DIVISION:

The Clinical division is headed by Additional Director (Clinical) and is assisted by a team of General Duty Medical Officers and other supportive staff. The division comprises of Out-Patient Department, In-Patient Department with 124 beds, Nursing section, sanitary section, central kitchen and Medical Records Department. The clinical and other essential services provided by the division include:

1. Out-patient care
2. In-patient treatment
3. Expert management of leprosy reactions, relapse, drug resistance and other complications of leprosy
4. Support in training of medical & paramedical workers.
5. Research activities in clinical leprosy, in collaboration with other divisions
6. Maintenance of medical records relating to patient care activities
7. Provision of balanced and hygienic diet.
8. House-keeping services
9. Bio-medical and solid waste management

3.3 SURGICAL DIVISION:

The surgical division is headed by Chief Medical Officer (NFSG) and supported by General Duty Medical Officers and other technical support staff. The surgical division comprises the Surgical Unit with Operation theatre, Physiotherapy section, X-ray section, Micro-cellular Rubber (MCR) Sheet manufacturing unit with dedicated foot wear and artificial limbs section. The services provided by the division are:

1. Surgical and non-surgical interventions for wound management and other complications
2. Reconstructive surgeries (RCS) for leprosy affected persons.
3. Comprehensive Physiotherapy and rehabilitation services.
4. Support in training programmes
5. Production of MCR sheets, Provision of MCR footwear and prosthesis.
6. Camp based RCS Surgery as requested from states
7. Research activities

3.4 LABORATORY DIVISION:

The Laboratory section is headed by CMO (SAG) and assisted by specialists in Microbiology and other technical staff. This division has sections of Bacteriology & Mycobacteriology, Clinical Pathology with Skin smear, Histopathology, Molecular biology, Haematology & Serology, Biochemistry and Immunology with separate Animal House. The major activities of the Laboratory division are as follows:

1. All routine investigations for medical care
2. Leprosy related investigations, including molecular diagnostics
3. Anti-microbial resistance (AMR) surveillance
4. Basic and applied research activities
5. Support in training programmes
6. Experimental investigations involving animals

3.5 ADMINISTRATIVE DIVISION:

Director is the head of administration and currently supported by Assistant Section Officer (ASO) and other dealing assistants. The division deals with all administrative matters of the institute like Establishment, Recruitment, Accounts, Stores, Estate, Security & Maintenance and Vehicle sections. The administrative responsibilities include:

1. Appointments, joining, transfer and promotions of the employees
2. Recruitment, framing of recruitment rules and disciplinary proceedings
3. Maintenance of service records and personal files
4. Preparation of salary/wage bills, pension papers and other types of bills
5. Budget estimates and utilization
6. Procurement of institute needs and maintenance of stock.
7. Providing information under RTI Act, 2005
8. Liaison with DGHS, MoH&FW, State health departments and other organizations

4. Performance during the year 2018-19:

4.1 TEACHING AND TRAINING ACTIVITIES:

Training / Capacity building of human resources involved in NLEP remain the core activity of the institute. The main objective is to strengthen the capacity of programme managers at state and district level and to enhance the skills of medical officers and paramedical staff at field level to effectively implement and sustain NLEP services: Case detection & treatment, DPMR services, IEC and stigma alleviation. The undergraduate and postgraduate medical/para medical students need to be oriented towards leprosy and NLEP considering the knowledge gap and prevalent scenario of leprosy.

All NLEP trainings in CLTRI are organized by the training section of Division of Epidemiology and Statistics, in coordination with other divisions. The proposed annual plan for training to be conducted in the ensuing year is prepared in the form of training calendar every year. The training calendar is communicated with Central Leprosy Division (CLD), shared with state leprosy officers (SLO) and other stakeholders to send the nominations for training. It is also circulated widely among various medical and paramedical institutions and also available on the institute website (www.cltri.gov.in) The nominations for the training are received in advance and communicated with the respective stakeholders timely to ensure the relieving of the participants for attending the training programme.

The institute is having excellent infrastructure and necessary staff for carrying out training activities. The training section works in association with other divisions and hostel and Vehicle sections to facilitate smooth organisation of trainings. The institute is actively involved in training of State/District leprosy officers, Medical officers, faculty of medical colleges, undergraduate & post graduate medical students and other paramedical staffs. The consolidated training activities undertaken from April 2018 to March 2019 are given in the table 4.1:

Table No. 4.1: List of trainings conducted during 2018-19

S. No	Name of the Training Course	Batches	Participants (Total)
1.	NLEP Training for State/District Leprosy Officer/ District Leprosy Consultants(5 days)	3	26
2.	NLEP Training for Medical Officers (3 days)	01	07
3.	Training in Leprosy Re- Constructive Surgery for Surgeons (5 days)	01	07
4.	NLEP Training for Non-Medical Supervisor/s (2 months)	01	24
5.	NLEP Training for Health Supervisor/s (5 days)	01	19
6.	NLEP Training for Laboratory technicians (5 days)	01	02
7.	Training in tertiary care management of leprosy for Post Graduates in Dermatology (2 weeks)	04	23
8.	NLEP Training for Post Graduates in Community Medicine (3 days)	04	66
9.	Compulsory Rotatory Residential Internship (CRRI) Training in NLEP (5 days)	75	210
10.	One day Orientation training in Leprosy /NLEP		
	MBBS Students	15	408
	Paramedical Students	08	473

The details of trainings conducted during 2018-19 are given in the listed tables below:

Table 4.2: NLEP Training for State Leprosy Officer / District Leprosy Officers (DLO)

S. No	Name of the Course	Deputed by States	Duration		No. of Participants
			From	To	
1.	NLEP training for SLO/DLO	Karnataka	16.04.18	24.04.18	08
2.		Telangana & Andhra Pradesh	26.11.18	30.11.18	11
3.		Madhya Pradesh	07.01.19	11.01.19	07

Table 4.3: NLEP Training for Medical Officers (MO)

S. No	Name of the Course	State	Duration		No. of Participants
			From	To	
1.	NLEP training for Medical Officers	Andhra Pradesh	05.12.18	07.12.18	07

Table 4.4: Training of Surgeons in Leprosy Re- Constructive Surgery (RCS)

S. No	Name of the course	State	Duration		No. of Participants
			From	To	
1.	RCS training for Surgeons	Karnataka	21.01.19	25.01.19	07

Table 4.5: NLEP Training of Non-Medical Supervisors (NMS)

S. No	Name of the Course	State	Duration		No. of Participants
			From	To	
1.	NLEP training for NMS [2 Months]	Tamil Nadu	02.04.18	31.05.18	24

Table 4.6: NLEP Training for Health Supervisors

S. No	Name of the Course	State	Duration		No. of Participants
			From	To	
1.	Health Supervisors	Delhi	25.03.19	29.03.19	19

Table 4.7: Training for Post Graduates in Dermatology

S. No	Name of the Course	Institutions	Duration		No. of Participants
			From	To	
1.	Tertiary Care Management of Leprosy for Post Graduates of Dermatology	Karpaga Vinayaga Institute of Medical Science & Research centre, Madhuranthakam	19.03.18	02.04.18	1
2.		Tirunelveli Medical College	18.06.18	29.06.18	2
3.		Sri Devaraj Ur's Medical College, Kolar	10.09.18	20.09.18	18
		Mahatma Gandhi Med. College & RI, Puducherry			
		Tirunelveli Medical College			
		Chettinad Medical College Hospital and Research Institute, Chennai			
		Karpaga Vinayaga Institute of Medical Science & Research centre, Madhuranthakam			
4.		Sree Mookambika Institute of Medical Sciences, Kulasekhram, TN	04.02.19	08.02.19	02

Table 4.8: Training for Post Graduates of Community Medicine in NLEP

S. No	Name of the course	Institutions	Duration		No. of Participants
			From	To	
1.	NLEP training for Post Graduates of Community Medicine	Rajah Muthiah Medical College, Chidambaram	05.06.18	07.06.18	6
		Mahatma Gandhi Medical College, Puducherry			
2.	NLEP training for Post Graduates of Community Medicine	Mysore Medical College & RI, Mysuru	23.07.18	25.07.18	22
		Dept. of Epidemiology, The TN Dr. MGR Medical University, Chennai			
		M.G. Medical College, Mumbai			
		Meenakshi Medical College Hospital, Kancheepuram			
		JIPMER, Puducherry			

S. No	Name of the ourse	Institutions	Duration		No. of Participants
			From	To	
3.	NLEP training for Post Graduates of Community Medicine	Chettinad Medical College Hospital and Research Institute, Chennai	03.10.18	05.10.18	23
		Mahatma Gandhi Medical College, Puducherry			
		Hassan Institute of Medical Science, Hassan, Karnataka			
		Government Stanley Medical college, Chennai			
		Karpagam Faculty of Medical Science & Research, Coimbatore			
		Dhanalakshmi Srinivasan Medical College & Hospital, Perambalur			
4.		Karpaga Vinayaga Institute of Medical Science & Research centre, Madhuranthakam	04.02.19	08.02.19	15
		SRM Medical College Hospital & Research Centre, Kancheepuram			
		Government Medical College, Thiruvananthapuram			
		Sri Venkateshwara Medical College Hospital & Research Centre, Puducherry			

Table 4.9: Training for Laboratory diagnostics & Animal House

S. No	Name of the Course	Institutions	Duration		No. of Participants
			From	To	
1.	Training in Laboratory Diagnostics	GKM college of Engineering & Technology, Chennai	25.06.18	04.07.18	1
		Aarupadai Veedu Institute of Technology, Kancheepuram	25.06.18	04.07.18	1

Table 4.10: Training for Compulsory Rotatory Residential Internship (CRRI) in NLEP

S. No	Name of the College	Particulars	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Total
1	Chengalpattu Govt. Medical College	Batches	12	12	12	13	49
		No. of Students	25	27	25	27	104
2	Karpaga Vinayaga Institute of Medical Sciences, Madhurantakam	Batches	7	7	6	6	26
		No. of Students	30	26	24	26	106

Table 4.11: One day Orientation training in Leprosy / NLEP

S. No	Name of the Course	Place of Posting	Date	No. of Students
1.	B. Sc Nursing – II year	Hindu Mission College of Nursing, Tambaram	13. 04. 18	39
2.	MBBS – II year	SRM Medical college & Research Institute, Chennai	24. 04. 18	26
3.	ANM 1 st year	Govt. ANM Training School, IPH, Poonamalle.	04. 05. 18	56
4.	MBBS – II year / PG	SRM Medical College & RI, Chennai	08. 05. 18	27
5.	PG Community Medicine	Pondicherry Institute of Medical Sciences, Puducherry	21. 05. 18	3
6.	B. Sc Nursing	Saveetha Nursing College	13. 06. 18	86
7.	MBBS – II year	Karpaga Vinayaga Institute of Medical Science & Research centre, Madhuranthakam	22. 06. 18	22
8.	MBBS – II year	Govt. Chengalpattu Medical College	25. 06. 18- 28. 06. 18	18
9.	Higher Secondary School students	Montfort School, Sriperumbudur, Chennai	26. 06. 18	54
10.	MBBS – II year	SRM Medical College Hospital & RC, Chennai	03. 07. 18	29
11.	MBBS – III year	Karpaga Vinayaga Institute of Medical Science & Research centre, Madhuranthakam	13. 07. 18	25
12.	MBBS – II year	SRM Medical College Hospital & RC, Chennai	17. 07. 18	27

S. No	Name of the Course	Place of Posting	Date	No. of Students
13.	MBBS – III year	Karpaga Vinayaga Institute of Medical Science & Research Centre, Kancheepuram	02. 08. 18	23
14.	Health Officer training	Institute of Public Health (IPH) Poonamalle, Chennai	26. 09. 18	5
15.	MBBS – II year	Chengalpattu Government Medical College, Chengalpattu	24. 09. 18 - 28. 09. 18	25
16.	B. Sc. Nursing	Chengalpattu Government Medical College, Chengalpattu	12. 11. 18	29
17.	B.P.T. Students	Sree Balaji College of Physiotherapy	17.12.18- 20.12.18	102
18.	Sanitary Inspectors training	IPH, Poonamalle, Chennai.	04.01.19	9
19.	MBBS – II year	PIMS, Puducherry	17.01.19	62
20.	MBBS II year / CRRRI /Master of Sociology	PIMS, Puducherry	18.01.19	95
21.	B.Sc Microbiology &Biochemistry – III year	Chennai National Arts and Science College, Avadi, Chennai.	15.02.19	36

GLIMPSES OF TEACHING AND TRAINING ACTIVITIES



Training of Surgeons in Re-Constructive Surgery [21 – 25 January 2019]



Training of Health Supervisors from Delhi [25– 29 March 2019]



NLEP Training for District Leprosy Officers from Telangana & Andhra Pradesh
[26– 30 November 2018]



NLEP Training for District Leprosy Officers from Madhya Pradesh
[07– 11 January 2019]



NLEP Training for Post Graduate Medical Students in Community Medicine
[03 – 05 Oct 2018]



Orientation training to ANM trainees from Institute of Public Health, Poonamalle, TN
[4th May 2018]

4.2 PATIENT CARE SERVICES

4.2.1 Clinical Services:

Out-patient & In-patient

Early case detection and treatment is the core objective of NLEP, leading to arrest of transmission of leprosy and further reduction of case load in the community with prevention of disability. The institute had served and is serving as a referral centre for diagnosis, treatment of persons affected with leprosy and for complications due to medical and surgical causes. The institute provides round the clock quality health care services to persons affected with leprosy from all over the country.

Out-patient services:

The Out-patient Department (OPD) functions from 9 AM to 5.30 PM on all working days and services are available round the clock for persons in need. About 40 - 50 patients attend OPD in a day. Necessary time is spent for every new case for proper case evaluation and confirmation for first time. Follow up services and care after cure is provided by the institute. Quality care and dedication is given by the medical officers and other supportive staff in rendering the services under the supervision of Additional Director (Clinical). The performance of out-patient services during the year is given below in table 4.12:

**Table 4.12: Patients attending OPD during 2018-19:
Distribution by type of case, disease classification and age group**

S.NO	PARTICULARS	MALE	FEMALE	TOTAL
Total Patients attended the OPD		5184	2221	7405
Distribution by type of case				
1	Leprosy cases – New	15	9	24
	PB (A)	3	4	7
	MB(A)	12	3	15
	PB (C)	0	0	0
	MB (C)	0	2	2
	Grade II Deformity among new cases	3	2	5
2	Leprosy Cases - Old	4748	1891	6639
	Adult	4717	1851	6568
	Child	31	40	71
3	Govt. Leprosy Centre Block	40	10	50
4	General Cases	381	311	692

A: Adult, C: Child

A total of 24 new persons affected with leprosy reported to CLTRI OPD and among them, 17 (70.8%) of the patients were MB, 9 (37.5%) were females and 2 (8.3%) were children. Five persons (20.8%) reported with Grade II deformity.

A total of 6639 old and cured persons affected with leprosy attended the OPD during 2018 – 19 and nearly 50 persons cured of leprosy residing in the blocks (State Govt. Leprosy Centre) are under the care of CLTRI.

In-Patient Department (IPD) – The institute has a 124 bedded hospital exclusive for persons affected with leprosy, divided into eight wards. Each ward is headed by a Medical Officer in-charge assisted by Nursing and other technical staff. Daily ward rounds are conducted and patient care services are ensured in continuum round the clock. All wards are provided with basic and essential facilities including recreation facility for in-patients. Balanced and hygienic diet is provided to all in-patients. The total number of in-patients admissions and discharges is given under in table 4.13:

Table No. 4.13: In-patient particulars during 2018-19

S. NO	IP PARTICULARS	TOTAL
1.	Total Admissions	883
2.	Discharges	877
3.	Death	1
	Bed Occupancy Rate	85%



Out-Patient Department



In-Patient Department

4.2.2 Surgical services:

The institute is a recognized and referral centre for Reconstructive surgery (RCS) for persons cured of leprosy. In addition to RCS, other surgeries are also performed for patients based on the eligibility and requirements. Chronic ulcer and other related complications are effectively managed by a team comprising of a qualified surgeon (CMO-NFSG), medical officers and supportive staff.

The patients are referred to the institute from far off places within the state and from other states also. In order to reduce the backlog of number of PALs requiring RCS, outreach camps are conducted in association with the states to identify the eligible beneficiaries and motivate them for surgery. The number of surgeries done during the year is given below in table 4.14:

Table 4.14: Surgery performance during 2018 - 19

S. No	Particulars	Male	Female	Total
1.	Total number of RCS done	16	1	17
	Claw hand correction	13	1	14
	Foot drop correction	3	0	3
2.	Major surgeries other than RCS	15	5	20
3.	Minor procedures	225	60	285



Re-constructive Surgery of Hand



Re-constructive Surgery of Foot



Wound Management

4.2.3 Disability Prevention and Medical Rehabilitation (DPMR) services:

Development of disability due to nerve damage in leprosy remains a major concern and DPMR services were introduced as a major component under NLEP. Necessary DPMR activities are carried out at the institute to support and supplement the services of state governments and for the benefit of PAL.

Physiotherapy:

Physiotherapy is helpful in restoring the normal tone of muscles, preserves the physiological properties of paralyzed muscles and also helps in preventing muscle atrophy. Comprehensive physiotherapy services are provided to patients in the institute which is also a nodal centre for training Physiotherapy Technicians.

The treatment modalities employed are hand and foot exercises, wax therapy, short wave diathermy, ultrasound therapy, trans-cutaneous nerve stimulation, infrared treatment, Interferential therapy and electrical stimulation of muscles and nerves. Pre-operative and post-operative assessment of RCS cases are done for maximizing the results of surgery. Demonstration of self-care practices are regularly provided to PALs. The annual particulars of physiotherapy services provided are as follows:

Table 4.15: Particulars of Physiotherapy services [2018-19]

S. No	Particulars	Total no. of patients
1.	New case assessment	333
2.	Follow up Assessment	311
3.	Hand & Foot Exercises	3760
4.	Wax therapy	2076
5.	Splints & Slabs	1075
6.	Electro-therapy/radiation	2301
7.	General patients	88

Spiral Splint



Wax therapy



Hand and foot Exercise



Microcellular Rubber (MCR) Production unit:

The institute owns a production unit for manufacturing MCR sheets, required to provide protective footwear for persons affected with leprosy. The quality of MCR produced by the institute is way better than the ones available in outside market and the quantity of MCR produced has also seen an incremental increase during the past years, in spite of manpower and logistics constraints. The MCR Sheets are provided to various State Leprosy Societies and Non-governmental organizations at rates fixed from time to time. The annual production and supply is herewith given in the table 4.16:

Table 4.16: MCR production and use during 2018-19

S. No	MCR Sheets	Total
1.	Balance as on 31.03.2018	284
2.	Production during the year	850
3.	CLTRI use (supply to footwear section)	700
4.	Outside supply (other organization)	238
5.	Balance as on 31.03.2019	196

Foot wear and Artificial Limb Unit:

Provision of protective footwear to persons affected with leprosy forms an integral part of care component under DPMR activities to prevent injuries and promote wound healing. Dedicated footwear and artificial limb unit is available in CLTRI, to design and provide different types of MCR footwear and prosthetics. The customized footwear is provided as per the requirement of persons affected with leprosy with necessary modifications and are being supplied to beneficiaries free of cost. The MCR footwear and artificial limb supplied to beneficiaries is shown in table 4.17

Table 4.17: Protective Footwear supply during the year 2018-19

S. No	MCR and artificial limbs particulars	Total
1.	MCR Footwear in pairs	1155
2.	No. of Orthosis supplied	03
3.	No. of Prosthesis supplied	01
4.	No. of Temporary B.K. Pylon Prosthesis	01
5.	Footwear Modification	255
6.	No. of Foot drop appliances	22
7.	No. of Repair Orthosis/Prosthesis	47



Different types of footwear provided to PAL

4.2.4 LABORATORY SERVICES:

Laboratory division in CLTRI is well equipped with state of art facilities ranging from basic services to molecular biology level including PCR amplification to support clinical and research activities. Facilities for isolation, characterization and drug sensitivity tests for cultivable microorganisms also exist. These facilities are being utilized for patient care, various institutional projects, post-graduate research projects and for other studies from collaborating institutes.

Laboratory division participates in external quality assurance program conducted by AIIMS, New Delhi and CMC, Vellore for Bacteriology, Serology, Haematology and Biochemistry. The results showed more than 90% accuracy in bacteriology & serology, 80% in haematology and biochemistry parameters. The total number of investigations done during the year is given as under in table 4.18:

Table 4.18: No. of investigations done during 2018-19

S. No	Departments/Sections	No. of patients	No. of parameters
1	Clinical Pathology		
	Skin Smear for M.leprae	568	3196
	Nasal Smear for M.leprae	164	523
	Urine Routine	1004	10040
2	Biochemistry	1764	15589
3	Haematology	1336	5631
	Serology	363	710
4	Bacteriology & Mycobacteriology	633	1322
5	Histopathology & Molecular biology (Routine & Research activities)	79	79



Slit Skin Smear technique for M.leprae



RT – PCR and other lab facilities

Animal House:

A dedicated Animal House with different animal colonies with provisions for animal experimental investigations including Mouse Foot Pad inoculation for the viability and drug susceptibility tests for *M.leprae* is also available. The animal house was recently renovated and inspected by Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) for renewal of registration of the facility. The institutional animal ethics committee was reconstituted in December 2018; awaiting approval from CPCSEA. The number of animals in position is shown below in table 4.19:

Table 4.19: No. of animals in position

S. No	Animals	Resting	Inoculated	Total
1.	Balb/C Mice	789	037	826
2.	Swiss Albino Mice	458	Nil	458

4.3 RESEARCH ACTIVITIES:

CLTRI remains one of the leading institutes in the country for undertaking research in various aspects of leprosy and NLEP. The institute had published over 400 scientific papers in national and international journals since inception. Main focus is on operational research of leprosy / NLEP and recently several activities are facilitated to strengthen this core domain of the institute.

4.3.1 Institutional Ethics Committee (IEC)

The IEC was reconstituted in November 2018 as per ICMR guidelines consisting of Chairman, Member Secretary and other members (2 eminent specialists in leprosy field having more than 25 year experience, a paediatrician, a pathologist, Surgeon, Public Health Specialist, Lady Medical Officer and a PAL). The committee held its first meeting on 26.11.2018 and three research proposals were discussed. The IEC members were given ICH-GCP training in this regard on 12.12.2018. Second IEC meeting was conducted on 29.01.2019 with 3 new research proposals being presented. All the research proposals were approved with suggested modifications.

4.3.2 Ongoing Research Activities:

The ongoing research activities are summarized in table 4.20:

Table 4.20: Ongoing Research activities

S. No	Title	Objectives	Progress/Status
1	Feasibility Study of Surveillance of drug resistant leprosy among new and retreatment cases in Tamil Nadu	<ol style="list-style-type: none"> 1. To demonstrate the feasibility of AMR surveillance in leprosy in the state of Tamil Nadu. 2. To identify the constraints and challenges in AMR surveillance. 	<ul style="list-style-type: none"> • Baseline assessment completed in two districts. • Collaboration with NIRT for sequencing formalized.
2	Evaluation of Slit Skin Smear microscopy for Leprosy in Various district of Tamil Nadu	<p>Primary objectives:</p> <ol style="list-style-type: none"> 1. To find out the proportion of centres having adequate infrastructure and logistics for performing SSS microscopy among participating centres 2. To find out the proportion of concordance and discordance of results with error type in the participating centres <p>Secondary objective:</p> <ol style="list-style-type: none"> 1. To describe the existing infrastructure at the district level and state level for performing SSS microscopy 	<ul style="list-style-type: none"> • Baseline assessment • Evaluation & data entry completed for 90% study centers. • Data analysis pending.
3	Cadaveric Analysis of Neuropathic Ankle in Leprosy	<ol style="list-style-type: none"> 1. To determine the pattern of bone and articular cartilage destruction in ankle and subtalar joint. 	<ul style="list-style-type: none"> • Data collection in process

4.3.3 Proposed Research Activities:

Various research proposals are in pipeline at different phases of development and are expected to proceed according to the timeline in the coming year. The proposed research activities are given in table 4.21:

Table 4.21: Proposed research activities

S. No	Title/ Objectives	Progress / Status
1	<p>Prospective Study to find the risk factors for Grade II deformity and developing a model to predict G2D among leprosy affected persons</p> <p>Objectives:</p> <ol style="list-style-type: none"> To describe the distribution of different types of G2D among leprosy affected patients under NLEP To find out the risk factors associated with G2D at the time of registration under NLEP. To find out the risk factors associated with development of G2D during the period between registration under NLEP and after release from treatment. To develop a model to predict the probability of G2D development among leprosy affected persons having variable sets of characteristics during the period between registration under NLEP and after release from treatment 	<ul style="list-style-type: none"> • Protocol developed • Study to be conducted at national level in 10 states • To be sent to CLD for funding support • IEC approval pending
2	<p>Molecular Search for M.lepromatosis in Various Districts of Tamil Nadu</p> <p>Objectives:</p> <ol style="list-style-type: none"> To find the prevalence of M. lepromatosis in old paraffin blocks and in fresh biopsy or SSS specimens of leprosy patients To detect the antimicrobial resistance for M. lepromatosis in old paraffin blocks and in fresh biopsy or SSS specimens of leprosy patients To compare the resistance detected by molecular method and mouse foot pad inoculation of fresh biopsy specimens <p>To perform comparative genome analysis of Indian strain of M. lepromatosis against the control strain (FJ924) of M. lepromatosis.</p>	<ul style="list-style-type: none"> • Protocol developed. • IEC Approved • Standardization in process

3	<p>Viable Bacilli Load among MB Leprosy patients at 6 and 12 Months of MDT by 16S rRNA Assay</p> <p>Objectives:</p> <ol style="list-style-type: none"> To find out the proportion of MB cases having viable M.leprae after 6 months & 12 months of MDT initiation by detecting 16S rRNA using real time PCR assay To compare the mean reduction in the 16S rRNA copy numbers at 6 months and 12 months of MDT. 	<ul style="list-style-type: none"> Protocol developed IEC approved Standardization in process
4	<p>Diagnostic accuracy of Real Time PCR and High Resolution Melt Analysis for detection of drug resistance in M.leprae</p> <p>Primary Objectives:</p> <ol style="list-style-type: none"> To find out the sensitivity of RT-PCR HRM assay for screening of drug resistance in leprosy as compared to conventional PCR followed by DNA sequencing in Indian set-up. To demonstrate the feasibility of RT-PCR HRM assay for AMR surveillance in leprosy in Indian setup <p>Secondary objective:</p> <ol style="list-style-type: none"> To estimate the cost saving per resistant case detected by incorporating HRM assay in the diagnostic algorithm for drug resistant Leprosy in comparison with standard PCR followed by DNA sequencing method. 	<ul style="list-style-type: none"> Protocol developed IEC approved Standardization in process

4.3.4 Collaborative Research Activities:

CLTRI has collaborated with other partner institutions of repute to advance research related to the field of leprosy and had finalized various research proposals and the same is given in below table :

Table 4.22: Collaborative Research activities

S. No	Title	Collaborating institutions	Progress / status
1	Addressing Malnutrition through Nutrition Sensitive Agriculture among leprosy affected persons in Tamil Nadu	Dr. M.S. Swaminathan Research Foundation (MSSRF), Chennai	<ul style="list-style-type: none"> Protocol development in progress
2	In vitro cultivation of M leprae in artificial culture medium using plant growth stimulators, plant growth promoters and bio-stimulators.	Dr. M. Jayapal, MD, PhD (Microbiology) Department of Microbiology, Mahatma Gandhi Medical College & Research Institute, Puducherry	<ul style="list-style-type: none"> Protocol developed Approved by IEC Awaiting Institutional Animal Ethics Committee (IAEC) clearance

3	Anti <i>M.leprae</i> activity of Thulasi essential oil – In Vivo study	Dr. M. Jayapal, MD, PhD (Microbiology) Department of Microbiology, Mahatma Gandhi Medical College & Research Institute, Puducherry	<ul style="list-style-type: none"> • Protocol developed • Approved by IEC • Awaiting Institutional Animal Ethics Committee (IAEC) clearance
4	Impact of awareness generation programme on knowledge about leprosy in Chennai slums.	Madras Medical Mission College of Health Sciences, Chennai	<ul style="list-style-type: none"> • Protocol developed • Submitted for IEC approval to the parent institute

4.3.5 Scientific Publications:

The list of publications during the year (with CLTRI faculty as author/co-author) is given below:

- 1) V.K.Chadha, Praseeja P. Active Tuberculosis case finding in India – The way forward. Indian J TB 2018; IJTB 2018.05.014
- 2) V.K.Chadha, Anjinappa SM, Rade K, et al. Sensitivity and Specificity of screening tools and smear microscopy in active tuberculosis case finding. Indian J TB 2018; IJTB 2018.05.015
- 3) V.K.Chadha, Bhalla BB, Ramesh SB, et al. Tuberculosis diagnostic and treatment practices in private sector: Implementation Study in an Indian City. Indian IJTB 2018; IJTB 2018.06.010
- 4) Banurekha V,V.K.Chadha, Neeta Singla, et al. Recurrence of tuberculosis among newly diagnosed sputum positive pulmonary tuberculosis patients treated under the Revised National Tuberculosis Control Programme, India: A multi-centric prospective study. PLoS One 13(7):e0200150.
- 5) K.Sangli, Satyanarayana S, V.K.Chadha, et al. Operational Research within a Global fund supported tuberculosis project in India: Why, how and its contribution towards change in policy and practice. Global Health Action 2018; 11(1):1445467
- 6) Chadha VK, Anjinappa SM, Dave P, et al. (2019); Sub-national TB prevalence surveys in India, 2006-2012: Results of uniformly conducted data analysis. PLoS ONE 14(2): e0212264. <https://doi.org/10.1371/journal.pone.0212264>
- 7) Subbaraman R, Nathavitharana RR, Chadha VK, et al. (2019); Constructing care cascades for active tuberculosis: A strategy for program monitoring and identifying gaps in quality of care. PLoS Med 16(2): e1002754. <https://doi.org/10.1371/journal.pmed.1002754>
- 8) Chadha VK, Anjinappa SM, Dave P, et al. (2019) Sub-national TB prevalence surveys in India, 2006-2012: Results of uniformly conducted data analysis. PLoS ONE 14(2): e0212264. <https://doi.org/10.1371/journal.pone.0212264>
- 9) Maheswari UR, Veerakumaran R. A study on management of maternal anemia with infusion of intravenous iron sucrose and its outcome in management of anemia. Int J Reprod Contracept Obstet Gynecol 2019;8:39-43.

- 10) Veera KR, Krishna KS. A comparative study of ultrasound and x-ray in detection, of fracture callus in tibial shaft fractures, treated by unreamed interlocking nailing. *Int J Res Orthop* 2019;5:438-42.
- 11) Thangaraju P, Venkatesan S, Selvan TT, Sivshanmugam E, Showkath Ali MK. The resurgence of leprosy in India: Findings from a survey assessing medical professionals' knowledge and preparedness. *Educ Health Prof* 2018;1:24-7.
- 12) Thangaraju P, Venkatesan S. Leprosy in Children: Needs for Active Intervention. *Chin Med J* 2018;131:1385 [Correspondence article]
- 13) Thangaraju P, Venkatesan S, Sivashanmugam E, et al. Dose-dependent thalidomide induced bradycardia in young erythema nodosumleprosum patient; *Indian J of Pharmacol*, 2019; 51:72-4. DOI: 10.4103/ijp.IJP_48_18[Short Communication]
- 14) Thangaraju P, Venkatesan S, Sivashanmugam E, et al. Evaluation of awareness about pharmacovigilance and adverse drug reaction monitoring among medical professionals attending Central Leprosy Institute. *Mustansiriyah Medical J* 2018;17:63-68 DOI: 10.4103/MJ.MJ_20_18
- 15) Thangaraju P, Venkatesan S, Chadha VK. Needs monitoring with quetiapine; *Chin Med J* 2019;132:113-114 [Correspondence article]
- 16) Gopalakrishnan S., Kamalnathan A, Rajan S, Bhagat VM, Ali MKS. Emergence of arm A and rmt B genes among VIM, NDM & IMP metallo beta lactamase producing multi drug resistant gram negative pathogens. *Acta Microbiol Immunol Hung.* 2018 Mar 1;65(1):107-18.

4.3.6 Other activities:

- ❖ Dr. Shubhangi Baviskar is involved as guide for ICMR – Short Term Studentship (STS) projects done by Chengalpattu Medical College undergraduate medical students. Project titled “Analytical Study of histopathological evidences among type I and type II lepra reactions” had been completed during the year.
- ❖ Dr. Vijay Bhagat, Deputy Director (Epid) was granted copyright for his research work on “Cardiovascular Risk Assessment Tool for Indian Population” during the year.
- ❖ Dr. Vijay Bhagat Deputy Director (Epid) was awarded Doctor of Philosophy (Ph.D.) in Community Medicine under Datta Meghe Institute of Medical Sciences (Deemed to be University) Wardha Maharashtra on 12th Apr. 2018.

4.4 MONITORING AND EVALUATION (M & E):

4.4.1 M & E of NLEP at district level:

Monitoring & Evaluation is a key component of NLEP and better programme monitoring is necessary for attainment of the objectives. CLTRI has been involved in Monitoring and Evaluation of NLEP activities in Andhra Pradesh, Telangana, Karnataka, Kerala and Tamil Nadu states and Puducherry and Lakshadweep union territories, vide CLD Order No. 16025/1/2011- Lep dated. 06.09.2011 of DGHS (CLD), New Delhi

The districts to be monitored in the fiscal year is planned before and included in the annual plan. The intimation and information regarding the visit will be provided in advance to the respective stakeholders and officials. The feedback is given to the District and State level program officers and reports were shared with Central Leprosy Division. The Number of districts visited for M&E is given in table 4.23:

Table No. 4.23: Particulars of M & E during 2018-19

S. No	District / State	Duration	Monitoring team
1.	Udupi, Karnataka	03.04.2018 -06.04.2018	Dr. V.C. Giri, DD [Epid] Mr. Ramesh, JFI Mr. Damodharan, PMW
2.	Srikakulam, Andhra Pradesh	19.06.2018 - 22.06.2018	Dr. Shubhangi Baviskar, DD [Epid] Dr. Santhanalakshmi, Medical Officer Mr. I. Prabhakaran, FI Mr. Renganathan, PMW
3.	Ramanathapuram, Tamil Nadu	26.06.2018 - 29.06.2018	Dr. Vijay Bhagat, DD [Epid] Dr. K. Kumaresan, AD [Epid] Mr. Ramesh, JFI Mr. Damodharan, PMW
4.	Salem, Tamil Nadu	30.07.2018 - 02.08.2018	Dr. K. Kumaresan, AD [Epid] Mr. I. Prabhakaran, FI Mr. Damodharan, PMW
5.	Nellore, Andhra Pradesh	10.12.2018 - 14.12.2018	Dr. K. Kumaresan, AD [Epid] Mr. I. Prabhakaran, FI Mr. Ramesh, JFI

The M & E of 32 districts of Tamil Nadu state has been completed by this year and the reports are ready to be compiled.

Key observations and recommendations during M&E of NLEP:

Ramanathapuram district, Tamil Nadu [26/06/2018 – 29/06/2018]

Key Observations	Recommendations
<ol style="list-style-type: none"> 1. Around 50 – 60 new cases detected in a year (ANCDR – 4.1, Prevalence – 0.23, No G2D cases) 2. Lacunae in filling the records & reports – no suspect register 3. Validation of cases by DNT 4. Complications are not referred 5. Training of medical officers and support staff in NLEP was inadequate 6. Loss to follow up was noticed among cases diagnosed at NGO in nearby district 7. Vacant posts of NMS in certain blocks and physiotherapist 8. Statement of Expenditure is submitted in time 	<ul style="list-style-type: none"> ❖ The NLEP patient case card to be completely filled up and proper update of records needs to be done. ❖ Suspect case register should be maintained at all PHC/Block PHC and should be updated. ❖ Medical Officers need to be trained to the programme objectives and for better case management ❖ Training of all health workers in relation to DPMR activities and classification ❖ Better coordination with NGO for case surveillance, case holding and follow up ❖ Filling the post of physiotherapist at DNT and Non-medical supervisors in vacant blocks. ❖ Active case finding activity to be strengthened, with more involvement of primary level health workers



Discussion with Medical Superintendent, TLM Hospital, Manamadurai (27-06-2018)

Salem district, Tamil Nadu [30/07/2018 – 02/08/2018]

Key Observations	Recommendations
<ol style="list-style-type: none"> Nearly 275-300 cases are recorded in a year, with 6 – 8 endemic blocks and urban areas. Cases are reported mainly in hilly, tribal and hard to reach areas Records are maintained at DDL office properly. In PHC/BPHC, the records are maintained, but certain lacuna exists. Most of the cases are diagnosed at the DDL office. The patients are asked to come to DDL office for case confirmation and referred back. Voluntary reporting of the cases is low (30%) Medical officers are not confident enough to diagnose the cases and orientation to the programme is less. Lack of involvement from field level workers In Government Medical College Hospital, the leprosy cases are referred to the DDL office (which is nearby) for diagnosis and treatment. MDT stock is not available at medical college hospital. ASHAs are recruited and working in Yercaud block (Hilly area). Training was given to ASHA's in NLEP and utilized for suspect identification and follow up of cases. The RCS is done at NGO Hospital (Leprosy Rural & Relief Centre) and cases are referred from nearby districts also. IEC stalls are put up at annual exhibitions and flower show at Yercaud. Training and involvement of RBSK teams in screening of school children 	<ul style="list-style-type: none"> ❖ Special plans to reach high risk / hard to reach populations. ❖ Complete update of NLEP records and maintenance of suspect register ❖ Clinical skill training of medical officers in diagnosis of leprosy and training of other health workers in NLEP ❖ Diagnosis to be done at peripheral health institutions and difficult to diagnose cases are to be referred ❖ Special plans to incorporate high risk areas, migrant workers and urban areas. Intensive case finding can be done at urban areas. ❖ More ASHA's should be identified in other high endemic blocks. ❖ Self-care training and provision of self-care kits to LAPs during POD camps ❖ Contact examination to be done regularly and completely as per guidelines and post exposure prophylaxis to be given to eligible contacts. ❖ More IEC activities to be done at all levels and Inter-personal communication to be emphasized. ❖ Records and reports need to be analyzed at district level to map the areas for high endemicity and population groups, so that resources can be used efficiently. ❖ Technical support of CLTRI for any special surveys or scientific studies to be undertaken in high risk areas.



Review of Records at Achankuttapatti PHC – Salem district, TN [31.07.18]



ASHA Refresher training at Valavanthi Block PHC Yercaud, Salem district, TN [02.08.18]

Nellore district, Andhra Pradesh [10/12/2018 – 14/12/2018]

Key Observations	Recommendations
<ol style="list-style-type: none"> 1. The Nellore district accounts for nearly 8% of cases in the state, with more than 320 cases detected during last few years with prevalence of 0.8/10,000 in 2017-18. 2. Out of 46 Mandals, 22 have prevalence >1/10,000 with mandals like Chennuru, Dakilli, Guduru (R), Ozili, Kota and Balayapalli notably having more cases. 3. Nearly 70% of the new cases reported in the district are among SC/ST population and from specific high risk areas. 4. Records & registers are supplied from state level, so that uniformity is maintained at all levels. 5. Medical officers being the key personnel are less inclined to the programme and lack necessary skills to manage the leprosy patients and complications 6. Routine active case findings efforts are minimal, with voluntary reporting being 30% - 35%. 7. Contact screening number is less and chemoprophylaxis with Rifampicin not started 8. ASHAs are involved in identification of suspects and follow up of cases. 9. One health worker from the PHC is designated as nodal person for NLEP related activities. 10. Damien Foundation India Trust (DFIT), NGO is proactive in providing comprehensive NLEP services in the district. Good coordination is seen between NGO and DNT and is the referral centre for RCS. 11. Permanent IEC materials were not displayed at the health institutions, only LCDC banners were available. 12. The budget allotted for NLEP under IEC and other components was not utilized fully. 	<ul style="list-style-type: none"> ❖ Since majority of new cases occur among the vulnerable/under-privileged groups, the high burden settings needs to be identified and mapping of areas for planning any special active case detection activities. ❖ NLEP records and registers needs to be updated completely and regularly. Necessary training may be given in this regard to ensure completeness. ❖ Active involvement from medical officers of PHC to be stressed and training to focus on enhancing the skills for diagnosis and treatment of leprosy. ❖ For better data management, the health staffs may be trained in 'Nikusth' ❖ The ASHAs to be given refresher training for suspect identification and to involve in routine NLEP activities. ❖ For screening school children, the RBSK teams can be given training and used effectively for early detection of child cases. ❖ Prevention of disability camps to be done regularly, with demonstration of self-care activities with adequate provision of self-care kits. ❖ Eligible patients for RCS can be line listed at the health centres and referred to surgery, in coordination with DFIT. ❖ Permanent display of IEC materials at Peripheral health institutions, Government health Centre's and at public places. ❖ Intensive IEC campaigns to be targeted at high risk groups/areas. ❖ NLEP budget to be utilized fully for all components



Capacity building of Medical Officers and health workers at Jaladanki PHC – Nellore District, Andhra Pradesh [11/12/18]



Child Case - Grade 2 Deformity investigation at Naidupeta, Nellore district, AP [14/12/18]

4.4.2 Monitoring of Leprosy Case Detection Campaign (LCDC) Activities

CLTRI officials participated as Level I/II monitors for supervision of LCDC in various states as per directions from Central Leprosy Division and reports were submitted. The LCDC activity in the following states (Maharashtra, Chandigarh, Haryana, Karnataka and Delhi) were monitored during 2018 - 19.

Table 4.24: LCDC monitoring activities during 2018-19

S. No	State	Duration	Level I/II Monitors
1.	Maharashtra	30.09.2018 - 08.10.2018	Dr. Shubhangi Baviskar, Deputy Director [Epid] Level I monitor
2.	Haryana	08.10.2018 - 09.10.2018 & 13.10.2018	Dr. Vineet Kumar Chadha, Director Level II monitor
3.	Chandigarh	05.10.2018 - 07.10.2018	Dr. Vineet Kumar Chadha, Director Level II monitor
4.	Karnataka Districts Monitored - Chikbalapur, Gulbarga, Bijapur, Bangalore Urban & Kolar	28.10.2018 - 01.11.2018	Dr. K. Kumaresan, Assistant Director [Epid] Level I monitor
5.	Post LCDC Evaluation in Tamil Nadu by DDG (Leprosy)	15.11.2018	Dr. K. Kumaresan, Assistant Director [Epid] Level I monitor
6.	Delhi	26.11.2018 - 30.11.2018	Dr. Vijay Bhagat, Deputy Director [Epid & Eval.] Level I monitor

4.4.3 Joint Monitoring Investigation and Advisory Group (JMIAG)

Joint Monitoring Investigation and Advisory Group (JMIAG) of NLEP activities was conducted in Tamil Nadu state from 21st to 25th Jan, 2019. Dr. Vijay Bhagat, Deputy Director (Epid) was part of the team that had done the joint monitoring in the districts of Chennai, Vellore, Nilgiris and Namakkal districts. The findings were shared with MD NHM, Director of Public Health and Preventive Medicine and Additional Director (Leprosy), Directorate of Medical and Rural health Services, Tamil Nadu.



Team JMIAG with MO-DNT Vellore district, TN



Debriefing of JMIAG to Dr. Uma Addl. Director, NHM and SLO TN

4.5 Field / Outreach Activities

CLTRI is involved in carrying out routine field work, field trials, field training activities and also special activities like Medical / Skin / RCS camps. The Division of Epidemiology & Statistics coordinates the activities with other divisions. Field Investigators, Junior Field Investigators, Non-Medical Supervisors and Para Medical Workers are involved in conduction of these activities and also in various training programs conducted by the division. The various field activities include:

- Intensive Case Detection Surveys at Thirukazhukundram, Kancheepuram district and surrounding urban and tribal areas.
- House hold & Neighborhood Contact Survey.
- Case holding activities
- Grade 2 deformity investigation
- Identification of eligible persons for RCS and mobilizing for surgery
- Demonstration of Field activities to trainees attending training programme

Table 4.25: Field activities

S. No	Place	Period	Key observations
1.	Thirukazukundram	02.04.18 to 27.04.18	NMS Field Training programme: Total houses Enumerated – 1565 Total population Examined – 2558 Total Suspects identified - 29 Total new cases detected – 4 (3 PB & 1 MB)
2.	Thirukazukundram	01.05.18 to 30.05.18	NMS Field Training programme: Total houses Enumerated – 2444 Total population Examined – 2327 Total Suspects identified - 22 Total new cases detected – 3 (3 PB)
3.	Villupuram District, TN	18.07.18	Hotspot survey of tribal population One suspect case identified and kept under Observation. School Students of Govt. Middle school were screened for leprosy suspects.
4.	Olakur PHC, Villupuram District, TN	28.11.18	Training of DLOs from Andhra Pradesh – Demonstration of NLEP activities at PHC level.
5.	Mugaiyur PHC, Villupuram District, TN	08.01.19	Training of DLOs from Madhya Pradesh – Demonstration of NLEP activities at PHC level in a high endemic area.

5. TRAININGS ATTENDED AS PARTICIPANTS :

CLTRI faculty and other officials were deputed for various in-service trainings for advancement of knowledge and skills to enhance the capacity for efficient service delivery in administration and technical activities. The trainings attended as participants by CLTRI Director and other faculty is given in table 5.1 and administrative officials in table 5.2 respectively:

Table 5.1: Trainings attended by Director and other Faculty

S.No	Name of the training programme & Place	Date	Name of the Faculty
1	Training on Financial Management in Government Services at ISTM, New Delhi	06.08.18 - 10.08.18	Dr. Vijay Bhagat
2	CCS(MA) & CGHS Rules at INGAF, Chennai	06.09.18 - 07.09.18	Dr.M. Sandhanalakshmi
3	Duties of DDOs in PFMS at INGAF, Chennai	11.09.18	
4	Training Programme in NLEP at CLTRI, Chengalpattu	10.09.18 - 20.9.18	Dr. A.V. Sangeetha Dr. M. Swapna Dr. D. Senthil Pragash
5	Three days Residential Leadership Training Programme on “Leadership Skills” at National Institute of Financial Management, Faridabad	10. 10. 18 - 12. 10. 18	Dr. Vineet Kumar Chadha
6	Online Fellowship training in podiatry at Indian Podiatry Association in New Delhi	October 2018	Dr. R. Veerakumaran
7	Training in ICH-GCP of IEC members and CLTRI faculty, CLTRI, Chengalpattu	12. 12. 18	IEC Members CLTRI faculty
8	CPHIC Training program by CAHO at SPMM Hospital, Salem.	22.12.18	Dr. D. Senthil Pragash
9	Training on Disciplinary and vigilance procedures at INGAF, Chennai.	22.01.19 - 23.01.19	Dr. Vineet Kumar Chadha
10	Programme on Emotional Intelligence at workplace for scientists and Technologists at Centre for Organizational Development, Hyderabad	18.02.19 - 22.02.19	Dr. R. Veerakumaran
11	RTI training for Public Information Officers at ISTM, New Delhi	13.03.19 - 15.03.19	Dr. K. Kumaresan
12	Training on GFR 2017 & GEM at INGAF, Chennai	14.03.19 - 15.03.19	Dr. D. Senthil Pragash

Table 5.2: Trainings attended by administrative officials

S. No	Name of the training programme & Place	Duration	Name of faculty
1	Pension and other Retirement benefits, ISTM, New Delhi	09.04.2018 - 13.04.2018	Shri N. Sampath Kumar, UDC; Shri A.F.Shahul Hameed, UDC
2	The 167th Cash& Accounts Training programme, ISTM, New Delhi	09.07.2018 - 07.09.2018	Shri N. Sampath Kumar, UDC
3	GEM& e-Market Place, INGAF, Chennai.	06.08.2018	Shri.A.F.Shahul Hameed, UDC
4	Training on Disciplinary & Vigilance procedures, INGAF, Chennai	22.02.2019 & 23.02.2019	Shri.K.Sivakumar, ASO
5	Provisions of TDS in Salary &e-TDS filling procedures, INGAF, Chennai	04.02.2019 & 05.02.2019	Shri.V.Balaji, UDC; Shri.Vishwajeet Kumar, MTS
6	GFR 2017 & GeM, INGAF, Chennai	14.03.2019 & 15.3.2019	Shri. A.F.Shahul Hameed, UDC

6. CONFERENCE / WORKSHOP / MEETINGS / CME ATTENDED

The Director and other faculty members attended various Conferences / Workshop / CME/ Meetings during the year as resource persons, participants and as invitees to the events. The various programmes attended by Director and other faculties are given in table 6.1:

Table 6.1 Conference / Workshop / Meetings / CMEs attended by Faculty

S. No	Name of the Programme	Place	Date	Name of the Faculty
1	Participated as Team Leader for TB Epidemiology and Implementation Research ITRC – ICMR to finalize two protocols – Intensified case finding in Health Institutional settings and Nutritional Rehabilitation Centres.	ICMR Headquarter, New Delhi	25.04.18	Dr. Vineet Kumar Chadha
2	Resource persons for Training of Health Workers in “Nikusth Online Reporting System”	Dharmapuri & Krishnagiri districts, TN	18.5.18 - 19.5.18	Dr. V. C. Giri Dr. K. Kumaresan
3	Participated in Tamil Nadu State Quarterly Review Meeting for Deputy Directors of Medical Services (Leprosy)	DMS Campus, Chennai	23.05.18	Dr. Vineet Kumar Chadha Dr. V. C. Giri Dr. K. Kumaresan
4	Review Meeting with DDG(L) regarding GOI institutions	Nirman Bhawan, New Delhi	28.05.18 -30.05.18	Dr. Vineet Kumar Chadha Dr. Vijay Bhagat
5	Review meeting on technical and research activities – presented major studies undertaken in CLTRI, studies proposed and various administrative issues	Central Leprosy Division, Nirman Bhawan, New Delhi	29.05.18	Dr. Vineet Kumar Chadha
6	Participated as Chief facilitator for State Level TB Operation Research Protocol Development Workshop	NTI, Bangalore	06.06.18 - 08.06.18	Dr. Vineet Kumar Chadha
7	Participated as an External and Expert Member for Interviewing Doctors and Para Medical Staff for project Phase III POD Vaccine trial (TB)	NTI, Bangalore	26.06.18	Dr. Vineet Kumar Chadha
8	Annual Review Meeting of State Leprosy Officers	Goa	11.07.18 - 13.07.18	Dr. Vineet Kumar Chadha Dr. Vijay Bhagat

S. No	Name of the Programme	Place	Date	Name of the Faculty
9	LCDC Central Level Workshop	Goa	14.07.18	Dr. Vineet Kumar Chadha Dr. Vijay Bhagat
19	Resource Faculty for Research Methodology Workshop for Post Graduates and took session on “ Ethics in Health Research”	The TN Dr. M.G.R Medical University, Chennai	03.08.18	Dr. Vijay Bhagat
11	Participated in the function for Felicitation of NLEP workers	Ramakrishna Mission, Chennai	04.08.18	Dr. K. Kumaresan
12	Review Meeting to discuss various research proposals submitted to the Leprosy Division, DGHS	Nirman Bhawan, New Delhi	09.08.18	Dr. Vineet Kumar Chadha
13	Co-chaired the meeting on Epidemiology and Implementation Research to review the proposal on information and communication technology submitted to India TB Research Consortium – ICMR	NIMS Conference Hall, New Delhi	21.08.18	Dr. Vineet Kumar Chadha
14	Participated in the “National Leprosy Symposium” conducted jointly by IAL in association with IADVL and chaired as Panel Member for the session on Chemoprophylaxis	Hotel Radisson Blu, Kausambi, Ghaziabad	24.08.18	Dr. Vineet Kumar Chadha
15	Review Meeting with Tamil Nadu SLO Dr. Afzal Ali and Dr. Nirmal Joe from Regional Office for HFW, Chennai along with their teams for planning of LCDC activities in Tamil Nadu. Technical and Operational inputs were given.	CLTRI, Chengalpattu	11.09.18	Dr. Vineet Kumar Chadha Dr. Vijay Bhagat Dr. Shubhangi Baviskar Dr. K. Kumaresan
16	Participated in the Video Conference call meeting with Addl. Director (NHM), DDG (Leprosy), Principal Secretary (Health), Tamil Nadu and SLO, Tamil Nadu regarding LCDC activity	Health Secretariat, Chennai	13.09.18	Dr. Vineet Kumar Chadha Dr. Vijay Bhagat
17	Review Meeting of Central Monitors for LCDC	CLD, Nirman Bhavan New Delhi	19.09.18	Dr. Vijay Bhagat Dr. Shubhangi Baviskar Dr. K. Kumaresan
18	CME on Leprosy for undergraduate medical students – Delivered lecture on Epidemiology of Leprosy organized by SIHR & LC, Karigiri	Govt. Medical College, Chengalpattu	20.09.18	Dr. Vijay Bhagat

S. No	Name of the Programme	Place	Date	Name of the Faculty
19	Participated in the performance review of NLEP in Tamil Nadu conducted by DDG (Leprosy) and preparedness for LCDC	DMS Camus, Chennai	27.09.18	Dr. Vineet Kumar Chadha Dr. Vijay Bhagat Dr. K. Kumaresan
20	Participated as member of IEC for review of protocols SSCMCRI	Sri Sathya Sai Medical College & RI, Chennai	04.10.18	Dr. Vijay Bhagat
21	Resource person for State Level Workshop on “Sparsh Leprosy Elimination Campaign 2018-19” – Delivered sessions on Epidemiology of Leprosy, Indicators in NLEP and LCDC operational guidelines.	Bangalore, Karnataka	04.10.18 to 05.10.18	Dr. K. Kumaresan
22	Meeting of National Guidelines on AMR Surveillance in Leprosy	JALMA, Agra	11.10.18	Dr. Vijay Bhagat
23	Participated in CME on “Antibiotic Resistance: The Act of Battling”	KIMS&RC, Chennai	24.10.18	Dr. Sangeetha A. V Dr. M. Swapna M Dr. D. Senthil Pragash
24	Participated in the Low Endemic States Review Meeting conducted by Central Leprosy Division	Surat, Gujarat	03.12.18 -04.12.18	Dr. K. Kumaresan
25	Resource person for session on “Updates in NLEP” at IndiaClen Conference	Apollo Hospital Medical College, Chittoor AP	09.12.18	Dr. Vijay Bhagat
26	Participated as member of IEC for review of protocols SSCMCRI	Sri Sathya Sai Medical College & RI, Chennai	08.01.19 -09.01.19	Dr. Vijay Bhagat
27	JMIAG TN Meeting with MD NHM, DPH and Joint Director, TN	DMS Campus Chennai	21.01.19 & 25.01.19	Dr. Vijay Bhagat
28	CME – “Update on Biomedical waste management”	SRM Medical College Kattankulathur	21.01.19	Dr. M. Swapna Dr. D. Senthil Pragash
29	CME by Indian Medical Association	Ocean Spray Pondicherry	27.01.19	Dr. D. Senthil Pragash

S. No	Name of the Programme	Place	Date	Name of the Faculty
30	Meeting on “Collaborative Epidemiological Studies for NLEP” and on online training course. Comments and suggestions were given and it was proposed that CLTRI and NIE will jointly develop the 3 proposals - Prevalence of G2D in children, Factors related to development of G2D, implementation efficiency of NLEP guidelines.	CLD, Nirman Bhawan, New Delhi	07.02.19	Dr. Vineet Kumar Chadha
31	Resource faculty for CME: Ethical issues in Medical Research and Clinical aspects of Leprosy	Sri Sathya Sai Medical College & RI, Chennai	11.02.19 to 12.02.19	Dr. Vijay Bhagat Dr. Hosanna SSRC Mrs. Thenmozhi
32	Participated as a member of the Selection Committee Meeting for the post of Epidemiologist	NIRT, Chennai	21.02.19	Dr. Vineet Kumar Chadha
33	Meeting regarding “Collaborative project on agriculture based nutritional intervention among TB and Leprosy affected communities”.	Dr. M. S. Swaminathan Research Foundation, Chennai	27.2.19	Dr. Vineet Kumar Chadha Dr. Vijay Bhagat
34	Meeting with NIE officials regarding discussion on following national level study protocols. i) Risk factors and predictive model for G2D. ii) Prevalence of G2D among child patients. iii) Efficiency and challenges in implementation of NLEP guidelines.	CLTRI	05.03.19	Dr. Vineet Kumar Chadha Dr. Vijay Bhagat Dr. Shubhangi Baviskar Dr. K. Kumaresan
35	Participated in Annual conference of IAPSM 2019	Shimla	07.03.19 - 10.03.19	Dr. Vijay Bhagat
36	Resource person for CME & Workshop on “Leprosy update 2019”	Raja Muthiah Medical College, Annamalai University, Chidambaram	9.03.19 & 10.03.19	Dr. Sangeetha A.V

S. No	Name of the Programme	Place	Date	Name of the Faculty
37	ICMR sponsored National Conference on Social Stigma and health seeking behavior of Hansen's disease in India	Dept. of Economics, Raja Doraisingam Govt. Arts College Sivagangai	7-8 Mar. 2019	Mr. Manivanan A
38	Resource person for Training of DLOs of High priority districts of NLEP	Patna	15.03.19	Dr. Vijay Bhagat
39	Discussion and field visit on Collaborative research project regarding Nutrition aspects and Leprosy, Nutrition Sensitive Farming with MSSRF faculty	CLTRI, Chengalpattu	19.3.19	Dr. Vineet Kumar Chadha Dr. Vijay Bhagat Dr. Shubhangi Baviskar Dr. K. Kumaresan
40	Resource person for training of Medical Officers and Nurses in Leprosy	Health Man-power Development Institute, Villupuram, TN	20.03.19	Dr. R. Veerakumaran
41	Baseline evaluation for AMR Project and Evaluation of SSS microscopy	Tirunelveli	22.3.19	Dr. Vijay Bhagat Dr. Swapna M
42	Attended Workshop on AMSP	JIPMER, Pondicherry	22.03.19	Dr. D. Senthil Pragash
43	CME on Antimicrobial Resistance	JIPMER, Pondicherry	23.03.19	Dr. D. Senthil Pragash
44	Baseline Evaluation for AMR project and Evaluation of SSS microscopy	Villupuram district	27.3.19	Dr. Vijay Bhagat Dr. Swapna M
45	Participated in the meeting of Technical resource Group (TRG) for National Leprosy Eradication Programme (NLEP) and gave inputs for strengthening and introduction of newer interventions.	CLD, Nirman Bhawan, New Delhi	27.03.19	Dr. Vineet Kumar Chadha
46	CME on Cell Culture & Molecular Techniques in research	Sri Manakula Vinayagar Medical College Hospital, Puducherry	30.03.19	Dr. D. Senthil Pragash

7. ANTI-LEPROSY DAY & FORTNIGHT 2019:

Anti-leprosy Day and Fortnight 2019 was commemorated in CLTRI from 30th January to 13th February with number of activities undertaken during the fortnight. The key objective of the activity was to increase the awareness regarding various aspects of Leprosy and thereby reducing the stigma and discrimination with active participation of community and Persons affected with Leprosy (PAL).

It coincided with the activities of SPARSH Leprosy Awareness Campaign (SLAC) conducted throughout the country at Grama Panchayat levels. This year activities were focussed on showcasing the contribution of Father of Nation Mahatma Gandhiji towards Anti-leprosy work. The events are planned in a way to reach different sections of the population with targeted messages and ensuring wider coverage.

The activities conducted included:

- ❖ Information Education Communication (IEC) Stall at Chengalpattu Railway junction to create awareness among general public and commuters.
- ❖ Recreation and Sports activity conducted for Persons affected with leprosy in CLTRI
- ❖ Distribution of welfare materials to Persons affected with Leprosy, in association with Akshaya Foundation, Chennai
- ❖ Drawing/Poster competition for school and college students regarding stigma & discrimination of Leprosy
- ❖ Awareness Rally conducted in a rural area with the help of high school students.
- ❖ Quiz competition on Leprosy for Under-graduate Medical College students
- ❖ Short film competition with a theme on “Zero Discrimination” for college students
- ❖ Training in NLEP for Post Graduate medical students from different medical colleges in south India.

Description of activities during the fortnight:

Anti-Leprosy Day [30.01.2019]

i) IEC Stall at Chengalpattu Railway Station [30.01.2019 – 01.02.2019]

An Information Education and Communication (IEC) stall was put up at Chengalpattu railway station to create awareness among commuters and general public about leprosy and its myths, as more number of people travel in and out of Chengalpattu daily. The IEC stall was inaugurated by Director, CLTRI along with Dr. M. Punniyakoti, Deputy Medical Superintendent, Railway Health Unit, Chengalpattu and Mr. Suresh Babu, Station Manager. Sparsh Oath was taken with involvement of general public. The stall was functioning for 3 days from 07.00 AM to 9.00 PM. Around 3000 public attended the stall and the Specialists, Medical officers, technical staff and interns posted were engaged in the dissemination of information and clarified the doubts of the public.



IEC Stall at Chengalpattu Railway Junction inaugurated by Director, CLTRI
Dr.M. Punniyakoti, DMS, Railway Health Unit, Chengalpattu
and Mr. Suresh Babu, Station Manager, Chengalapttu [30.01.2019]



IEC stall at Chengalpattu Railway Junction – Awareness regarding Leprosy
& availability of NLEP services [30.01.2019 – 01.02.2019]

ii) Recreation for Persons affected with Leprosy

To break the routine and to have joyful moments for in patients in CLTRI and Leprosy cured persons residing in blocks, various sports and recreation activities were conducted considering the physical status of the persons. The LAPs enjoyed the moments and were very thankful to the officials. Refreshment and food was provided by Ramakrishnana Mission, Chengalpattu.

iii) Distribution of Welfare materials for LCP with disability

As part of rehabilitation measures, about 50 PALs with disability were provided with different kinds of rehabilitative aids and appliances and other welfare materials. The welfare Materials were provided by Akshaya Foundation, an NGO based in Chennai with the active support of Dr. R. Veerakumaran, CMO (NMSG)



Distribution of Welfare materials to Persons affected with Leprosy in association with Akshaya Foundation, Chennai [30/01/2019]

Activity among School students: [01/02/2019 to 08/02/2019]

To create awareness about leprosy among school students, various activities were conducted during the fortnight.

i) Quiz competition:

Multiple Choice Question (MCQ) based competitions were conducted on 01/02/2019, 06/02/2019 and 08/02/2019 to test the knowledge of leprosy among school students studying 6th – 10th standard at Govt. Middle and Higher Secondary School, Sadras and Pugazhenthir Pulavar Govt. Higher Secondary School, P.V. Kalathur, Kancheepuram district. Around 500 students actively participated in the competition and first three students were given prizes.



Question – Answer session on Leprosy for High School Students at Sadhurangapattinam Govt. High School, Kancheepuram district [01/02/2019]

ii) Awareness Rally:

To create awareness about leprosy and stigma associated, a procession was held with the help of school students of Pugazhenthir Pulavar Govt. Higher Secondary School on 08/02/2019 at P.V. Kalathur Village, Kancheepuram district. About 100 students participated in the rally, showcasing the message regarding basic aspects of leprosy transmission, treatment options and zero stigma and discrimination towards PAL.



Awareness Rally by School students at P.V. Kalathur Village,
Kancheepuram district, TN [08/02/2019]

iii) Poster/Drawing competition:

A drawing/poster competition was also conducted to bring out the creativity in school students and to sensitize them about leprosy with a theme: **Zero discrimination towards leprosy and early detection of leprosy for Zero disability**. More than 100 poster/drawings were received from different schools blending their knowledge and art together in a way higher than their standards. Prizes were given to best three posters.

All the activities were done in coordination with District Education Officials and the concerned school authorities. There was an overwhelming response from the stakeholders and mementos were distributed in recognition for participation of activities.

Activity among College Students: [01/02/2019 to 12/02/2019]

To have diverse programme activities and to have wider coverage to disseminate the information about leprosy along with involvement of young minds for social cause, the following programmes were conducted among college students:

i) Quiz Competition for Undergraduate Medical students on 12/02/2019:

Teams from 10 different medical colleges in Tamil Nadu and Puducherry enrolled for the quiz and after screening, 5 teams were selected for final round consisting of themes based rounds, audio/visual and rapid fire rounds. Dr. Shiva Kumar, Secretary, DFIT was invited as expert person to facilitate the quiz. Best two teams were given prizes.



Participants & Organizers of Quiz Competition
with Dr. Shiva Kumar, Secretary, DFIT India [12/02/2019]

ii) Short film Competition :

To have innovative campaign, a short film competition for college students based on the theme : **“Zero Discrimination of Leprosy”** was conducted for the first time in CLTRI. The response from the students was really good and had 11 entries for the competition. The best three films adjudicated by faculty from Department of Viscom, Madras Christian College and CLTR were screened during the valedictory function. The films were very much educational and in local language to have wider screening among the public in future also.

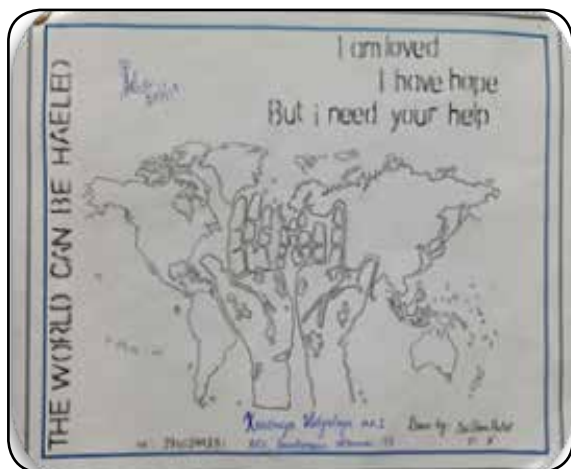


Screening of Short Films [12/02/2019]

iii) Poster/Drawing competition:

A drawing / poster competition was also conducted for college students to sensitize them about leprosy with a theme: Zero discrimination towards leprosy and early detection of leprosy for Zero disability. The creativity was full in the minds of students in the form of posters/drawings and nearly 100 poster/drawings were received. Prizes were given to best three posters.

Drawing / Posters received from School and College students



iv) NLEP training for Post Graduate Medical Students: [04/02/2019 to 08/02/2019]

A training programme in NLEP for post graduate students of Community Medicine and Dermatology was conducted for five days from 04/02/2019 to 08/02/2019 to build the capacity for having trained manpower for leprosy programmes.

A total of 20 PGs from different institutions took part in the training programme, which had sessions on epidemiology of leprosy, burden of the disease, clinical demonstration of management of leprosy and complications, diagnostic aspects, DPMR activities and NLEP operational components with newer strategies to eliminate leprosy. Field visits were made to have training on operational aspects of the programme.

Valedictory Function: [13/02/2019]

To add a jewel to the crown, a valedictory function was held on 13/02/2019 at CLTRI to commemorate the Anti-leprosy fortnight activities, with the involvement of CLTRI staffs and persons affected with leprosy. Dr. S.P. Tripathy, Director, National Institute for Research in Tuberculosis (NIRT), Chennai, Mrs. Padma Venkatraman, Social Activist and Swamiji Devarchanananda, Ramakrishna Mutt, Chengalpattu were the dignitaries invited and shared the moments and experiences.

Drawing exhibition consisting of posters/drawings by school and college students was inaugurated. Prizes were distributed for the winners of all competitions.

Director CLTRI thanked all the faculty and staff members responsible for organizing the events and for making the fortnight a successful and memorable one.



Valedictory Function - Dr.S.P.Tripathy, Director, National Institute for Research in Tuberculosis (NIRT), Chennai, Director CLTRI, Mrs. Padma Venkatraman, Social Activist and Swamiji Devarchanananda, Ramakrishna Mutt, Chengalpattu [13/02/2019]



Prize distribution to winners of Quiz competition

8. ADMINISTRATION:

The administrative Division takes care of all administrative requirements of the institute, with different sections functioning: Establishment, Accounts, Stores, Estate, Hostel and Vehicle. The major achievements during the year April 2018 to March 2019 are briefly stated below sections wise:

8.1 ESTABLISHMENT:

Human Resources:

Human Resources are vital for the achievement of the mandates assigned to the Institute to undertake the huge task of capacity building of health care workers to improve the case detection and management under NLEP, to strengthen DPMR services and to provide quality care to the persons affected with leprosy visiting the institute.

The following table 8.1 shows the details of Human resources in CLTRI and the main constraint in functioning of CLTRI presently is the dearth of technical and administrative manpower. Specialist posts like Orthopedician, Medical specialist, Pathologist and Bio-chemist are vacant being essential for running the institute. Important post like Administrative Officer, Store Officer, ANS are vacant for long time. Group 'C' / MTS staff are also in dearth to carry out the routine functioning of the institute. The vacancies are managed by posting contractual staffs in few essential positions to run the day to day affairs as per GFR norms. The staff position as on 31.03.2019 is given in table 8.1:

Table 8.1: Human Resources in CLTRI as on 31.03.2019

Group	Sanctioned	In position	Vacant
'A' Specialists	16	7	9
'A' GDMO	12	10	2
'A' Non-Medical	3	-	3
'B' Gazetted	5	1	4
'B' Non Gazetted	60	42	18
'C' (Tech + Admin)	80	41	39
MTS	84	44	40
Total	260	145	115

During the year, the institute had new Director joining in April 2018 after transfer of incumbent Director. Two General Duty Medical Officers in the cadre of Senior CMO (SAG) and CMO (NFSG) had joined the institute on transfer.

Six new officials had joined the institute [Public Health Specialist Grade III-1, Non-teaching Specialists (Microbiology) Grade III – 3, Junior Statistical Officer – 1, Laboratory Assistant – 1] during the year 2018-19. However 4 CHS officials also left the institute on transfer while one continued an unauthorized absence.

A total of 13 persons retired from the institute and four persons got transferred to other organizations.

RECRUITMENT AND PROMOTION:

To speed up the Recruitment process at CLTRI, a Recruitment Cell has been formed under the chairmanship of CMO (SAG) for timely filling and revival of posts, amendment of recruitment rules as per seventh CPC and all necessary procedures related to recruitment. Departmental Screening Committees and Departmental Promotion Committees were set up and meetings were held in time and at regular intervals to finalize the process of recruitment and promotions.

- The vacant post of Laboratory Assistant reserved for ST (PwD) has been filled in November 2018.
- Procedures were finalized to fill up three other posts – Barber, Cook and Dhobi
- Notification for recruitment of certain posts was published and process initiated – PMW, SNO, Asst. Physiotherapist
- One Junior Field Investigator (JFI) was promoted to Field Investigator (FI)
- Eighteen (18) employees were granted financial up-gradation /MACP for the post of ANS, UDC, Laboratory Technician, Health Visitor, NMS, JFI, DEO Gr A, Cobbler Gr I and MTS.
- Repeated request made to Staff Selection Commission for filling up the vacant posts of LDC / UDC

8.2 CENTRAL STORES:

Central Stores is responsible for the procurement and supply of essential and desirable items required for the institute based on the annual requirement/indent received from various divisions. The other functions include service and maintenance of items and instruments, condemnation and disposal of unserviceable items and maintenance of stocks.

Procedures followed:

All tenders and Open Quotations were published through the institute Website www.cltri.gov.in and in Central Govt. tender portal <https://etenders.gov.in>. A Purchase Committee consisting of Chairman and two members, being senior most officers in the institute is formed to finalize the tenders/Quotations and based on the recommendation of the Committee, procurements are done.

Expenditure involved in all types of procurement is booked under Office Expenditure (O.E), and Supplies and Materials(S&M) head of the budget.

Activities and Initiatives during the year:

- 90% of the annual requirements were completed and remaining are pending due to increase in price, GST issues and non-availability of the items in market as intimated by the seller
- Successfully initiated the purchase of goods through GeM (Govt. e-Market Place) after due registration and Standard Operating Procedures were laid down as per GFR 2017.
- High Speed Internet connection through Railtel network is installed.
- Infrastructure upgradation in central stores with the basic amenities and maintenance of green corridor garden
- Time bound procurement of Aadhaar Enabled Biometric Attendance System (AEBAS) devices
- Renewal of the mandatory licenses in time for Denatured spirit, Rubber and civil supplies
- New operating light for operation theatre

8.3 ESTATE SECTION:

The Estate section looks after the civil and electrical works of the institute, with an officer in-charge. The works are estimated and executed through the Central Public Works Department (CPWD), Ministry of Housing and Urban Affairs under the respective budget head sanctioned for the institute. The List of Major and minor works done during the year is given as under:

Institute:

- Renovation of Wards and Toilets in the Hospital
- Creating a barrier free environment for access to persons with disability (PwD)
- Minor civil works and renovation in Laboratory Division – Officers room and Hematology section
- Renovation of room of Private Secretary to Director

Residential Quarters and Canteen:

- Renovation in old and new Quarters blocks - Replacement of old solid waste and storm water drainage pipes, plinth protection works. Providing and fixing G.I Chain link Fabric Fencing and laying of factory made kerb stones in old quarters block. Up-gradation and renovation of five Type-V quarters and two Type IV Quarters, including providing additional Street light poles with fittings
- Renovation of staff canteen and Patient kitchen blocks - Granite Stone flooring, glazed wall tiles and floor tiles and other hygienic works.
- Routine maintenance works of CLTRI residential and non-residential building
- Providing chain link fencing around and over the main well, outside the campus that supply water to the institute.

8.4 HOSTEL:

The institute has very good hostel facilities besides the main campus to accommodate the trainees coming from far off places. In Scientist hostel, 15 double bedded AC rooms are available with all necessary facilities. In Students hostel, 18 double bedded Non-AC rooms are available with basic amenities. The rooms are provided at nominal charges applicable from time to time and on prior reservation. Cleanliness is maintained daily by the house keeping staff.

Canteen facility : A canteen facility is made available in the scientist hostel for the benefit of trainees and staffs. It functions throughout the day and on holidays also. Food and refreshments are provided in a hygienic manner and at reasonable cost.



Scientist Hostel

8.5 CENTRAL LIBRARY

The establishment of an institute library was mooted in early 1955 and full-fledged library was established in 1961 in an area of 5400 Sq.ft for the development of research and update on newer advances in the field of leprosy. Library committee governs the library with Director as chairman. The library remains open from 09-00 to 17.30 hrs in all working days.

Purchase and stock Position

During the year 2018-2019, 61 books and 17 bound volumes of periodicals were added to the library. The library subscribed to 26 Foreign and 8 Indian journals and 4 foreign and Indian journals are being received on Gratis. The total collection of Central Library is 3358 and 4572 Bound volumes of periodicals.

Utilization of Library

During this period, 1335 books and periodicals have been issued to the readers and about 51 different topics of bibliographies on leprosy have been prepared and issued to Medical Officers/District Leprosy officers (DLO) and trainees of this Institute. 356 references were collected in different topics of leprosy through net search in library. On an average, 80 – 90 visitors frequent library in a month.

8.6 RIGHT TO INFORMATION (RTI):

Any Indian citizen can seek information under the RTI Act, 2005 by making a payment of Rs 10 /- by demand draft or banker's cheque or Indian postal order (IPO) in favour of "The Director, CLTRI" payable at Chengalpattu to the designated Public Information Officer. Director CLTRI is the first appellate authority.

The RTI applications received as direct or transfer from other public authorities are replied within the specified time period. A total of 60 applications were received during the year, with one first appeal. Measures were taken to completely update the proactive disclosures as per section 4(1) b of the act. The RTI applications received and replied during the year is given in the table 8.2:

Table 8.2: RTI application status during 2018-19

RTI details	1st Quarter [Apr-June]	2nd Quarter [July-Sep]	3rd Quarter [Oct-Dec]	4th Quarter [Jan – Mar]	To- tal
Opening Balance	0	2	4	5	-
Applications received	8	4	4	14	30
Transfer from other public authority	8	11	5	5	29
First Appeals	0	0	0	1	1
Applications/appeals rejected	0	0	0	0	0
Applications replied	14	13	8	23	58
Registration fee collected (Rs.)	80	40	70	140	330
Additional fee collected (Rs.)	78	10	378	0	466

8.7. VEHICLE SECTION:

The vehicle section takes care of requirement of vehicles for Director and other staffs as needed. Also main utility is for transporting patients to tertiary care hospital for necessary treatment after referrals and during training activities. The institute has four vehicles in working condition and three vehicles are in the process of condemnation. Separate budget is allotted for motor vehicle and necessary steps are taken to purchase a new ambulance and a vehicle for training purposes.

8.8 BUDGET:

The total budget and utilization under different heads for the year 2018 – 19 is given below in the table 8.3:

Table 8.3: Budget & Utilization for the year 2018-19

S.NO	DETAILED HEAD	BUDGET ESTIMATE 2018-19	TOTAL EXPENDITURE	BALANCE
1	Salaries	147000000	128827707	18172293
2	Wages	6500000	6382735	117265
3	Medical treatment	1200000	884127	315873
4	DTE	2800000	2652243	147757
5	OE	10000000	9365074	634926
6	Publications	50000	0	50000
7	OAE	600000	458759	141241
8	S&M	10000000	9920440	79560
9	POL	600000	316322	283678
10	Minor works	12000000	10461752	1538248
11	Professional services	2800000	2426920	373080
12	Scholarships /stipend	150000	46467	103533
13	Other charges	1500000	262504	1237496
	TOTAL	195200000	172005050	23194950
	Utilization percentage		88.11%	
50051	Motor Vehicles	2000000	0	2000000
50052	Machinery and Equipment	1000000	960000	40000
50053	Major Works	2500000	2411780	88220
	TOTAL	5500000	3371780	2128220
	Utilization percentage		61.3%	
Capital Outlay				
490053	Major Works	3000000	2884680	115320
	Utilization percentage		96.15%	

8.9 OTHER ACHIEVEMENTS:

- ❖ Patient Safety Committee constituted
- ❖ Office Council meeting was conducted during December 2018, after a gap of 5 years.
- ❖ Implementation of Aadhaar Enabled Biometric Attendance System (AEBAS) for better and real time monitoring of attendance
- ❖ Contractual staffs were appointed as per the norms of GFR.
- ❖ Court cases - Two Contempt cases were disposed of and speaking orders was passed for two cases. Reply statements were filed in the court concerned for eight cases.
- ❖ Stipend of 23 patient helpers hiked from Rs. 2,500/- to Rs.4,000/- P.M with the approval of DGHS.

Important Days Celebration

1. 71st Independence day Celebration - 15/08/2018.
2. Vigilance Awareness Week 2018 - 29/10/ 2018 to 03/11/2018
3. 70th Republic Day Celebration - 26/01/2019

9. CONSTRAINTS AND CHALLENGES:

- All the 8 posts of Non-Teaching Specialists (Clinical) are vacant. Of 12 posts of GDMOs, 2 are vacant, one is on study leave and 2 are on unauthorized long leave. This necessitates referral of patients requiring expert advice to other state government hospitals which impacts the quality of care due to heavy workload there. Besides, it exerts extra pressure on GDMOs who are required to remain on call duty round the clock to attend to in-patients in emergency.
- Absence of full-time Anesthetist is a constraint in doing bloodless surgery.
- Renewal of registration of animal house facility and reconstitution of IAEC are delayed due to lack of full time Veterinarian. The research projects involving animal experiments are delayed, awaiting IAEC approval.
- The Non availability of Gene Sequencer for detecting drug resistances for M. leprae, has increased the turnaround time to produce results, as we have to outsource the amplified products for sequencing.
- There are large vacancies of LDCs, UDCs and MTS. Many representations have been sent to Staff Selection Commission (SSC) without any output. As a result, some staff from other categories like Nursing and Technical Field Staff are required to support the administration thereby, putting extra workload on already deficient nursing and technical field staff. In total, more than 100 posts are not filled including key posts like Physiotherapist, Senior Ortho Technician; due to pending amendment of recruitment rules of Group B & C posts and pending action at the level of MOH&FW in filling up CHS posts.
- Shortage of skilled manpower to cater to the huge demand of MCR footwear /artificial limbs. One post of senior orthotic technician is vacant for past 4-5 years, specialized modular footwear and artificial limbs for post amputee patients cannot be issued to PAL.
- There is no Sewage treatment plant in the hospital which is a regulatory requirement; proposal submitted to DGHS for funding.
- There are encroachments in CLTRI land and the local authorities have been approached for action but of no avail. To prevent further encroachments, additional funds are required for construction of compound wall all around.
- Mobile X-ray Unit: The present x-ray unit is very old and was brought in nineties. Due to its old-age, it cannot be taken to the bed-side of the patients to take bed-side x-rays at time of emergencies.
- Non-commissioning of the Kneader leads to inability to double the present MCR Production of 10 Sheets per day.
- Less nominations of NLEP staff for training programmes from stakeholders
- Restricted availability of vehicles, especially for field level training activities and for monitoring and evaluation programmes
- Shortage of technical staff for field and outreach activities

CLTRI Officials List:

The list of Officers and other staff members as on March 2019 is given below:

S. No.	Name of the Officials	Designation
1.	Dr.Vineet Kumar Chadha	Director
2.	Dr. S. Elavarasan	Additional Director
3.	Dr. J. Kadhirvelu	Sr.CMO (SAG)
4.	Dr.R.Veerakumaran	CMO (NFSG)
5.	Dr.M.Punitha	Chief Medical Officer
6.	Dr. Vijay Manohar Bhagat	Deputy Director (Epid)
7.	Dr.Shubhangi R.Baviskar	Deputy Director (Epid)
8.	Dr. K. Kumaresan	Asst. Director (Epid)
9.	Dr. A.V. Sangeetha	Asst. Director (Micro)
10.	Dr. M. Swapna	Asst. Director (Micro)
11.	Dr.D.Senthil Pragash	Asst. Director (Micro)
12.	Dr.Hosanna S.S.R.C.	Medical Officer
13.	Dr.M.Sandhanalakshmi	Medical Officer
14.	Dr.V.Sajitha	Medical Officer
15.	Dr.T. Vinod Kumar	Medical Officer
16.	Dr. BarlaVidya Sagar	Medical Officer
17.	N.S.Rajendran	P.S to Director
18.	R. Hemalatha	Steno Grade-I
19.	V. Elangovan	Steno Grade-I
20.	G. Gurumoorthy	Junior Statistical Officer
21.	A. Manivannan	Junior Statistical Officer
22.	K. Sivakumar	Assistant Section Officer
23.	R. Lakshmi	Junior Accounts Officer
24.	A. Rajendran	Library Inf. Asst.
25.	S. Senthil Kumar	Technical Officer
26.	P. Ravi	Medical Lab. Technologist
27.	K. Arunagiri	Medical Lab. Technologist
28.	L. Rathinavel	Medical Lab. Technologist
29.	G. Vanaja	Medical Lab. Technologist
30.	M. Murugesan	Medical Lab. Technologist
31.	C. Kalaivani	Medical Lab. Technologist
32.	S. Sivaraman	Medical Lab. Technologist
33.	B. Nirmala Devi	Medical Lab. Technologist
34.	P.Rajanikanth	Medical Lab. Technologist
35.	G.Sangeetha	Medical Lab. Technologist
36.	L.Srimathi	Medical Lab. Technologist

37.	J.Malini Grace Jayaseeli	Sr. Nursing Officer
38.	G.Santhi	Sr. Nursing Officer
39.	R.Mary	Sr. Nursing Officer
40.	A.Gnanasundari	Sr. Nursing Officer
41.	S.Jayakumari	Sr. Nursing Officer
42.	D.Jesi Tamil selvi	Sr. Nursing Officer
43.	K. Rajarathnam	Sr. Nursing Officer
44.	B. Sumathi	Sr. Nursing Officer
45.	C. Vallideivanai	Sr. Nursing Officer
46.	B. Prasannakumari	Sr. Nursing Officer
47.	A. Ameenabie	Sr. Nursing Officer
48.	Siluvaikani	Nursing Officer
49.	R.HelenVidhyavathy	Nursing Officer
50.	J.Suguna Clement	Nursing Officer
51.	S.Jayanthi	Nursing Officer
52.	B. Ezhilarasi	Nursing Officer
53.	K. Chokkammal	Nursing Officer
54.	M. Elizabeth	Nursing Officer
55.	D. Himala	Nursing Officer
56.	S. Sheela	Nursing Officer
57.	Patricia E.Pereira	Nursing Officer
58.	D.Janet Santhakumari	Nursing Officer
59.	P. Moghana	Nursing Officer
60.	S. Prabavathi	Nursing Officer
61.	G.Kalavathy	Nursing Officer
62.	Suseela Glory Samraj	Nursing Officer
63.	R.Dheepa	Nursing Officer
64.	D.George	Physiotherapist
65.	P. Thenmozhi	Physio. Technician
66.	G. Venkatesan	Physio. Technician
67.	T. Nachammai	Pharmacist
68.	M.R.Ravichandran	Pharmacist
69.	G. Smitha	Accountant
70.	N.Sampath Kumar	U.D.C
71.	A.F. Shahul Hameed	U.D.C
72.	V. Balaji	U.D.C
73.	M. Vasanthi	U.D.C
74.	P. Uma	Health Visitor
75.	I.Prabakaran	Field Investigator
76.	S. Ramesh	Junior Field Investigator

77.	K. Ranganathan	Junior Field Investigator
78.	R. Kotteswaran	Para Medical Worker
79.	M. Damodaran	Para Medical Worker
80.	C. Balakrishnan	DEO Grade-B
81.	A. Aleem Baig	DEO Grade-A
82.	E.Sathish Kumar	DEO Grade-A
83.	K. Menaka	Jr. Medical Lab. Technologist
84.	K. Loganathan	Jr. Medical Lab. Technologist
85.	P. Lalitha	Jr. Medical Lab. Technologist
86.	D. Sangeetha	Jr. Medical Lab. Technologist
87.	Sudhirkumar	Ortho. Technician
88.	G.Rajalingam	Sanitary Inspector
89.	V.Chandran	Cobbler Grade-I
90.	S. Ravi Ganesan	Supervisor cum. Chemist
91.	M.Ganesan	Pressing man
92.	D.Murugadoss	Mixing man
93.	K.R.Gangadaran	Radiographer
94.	V.Ravichandran	Fitter
95.	V.Sundarajan	Library Clerk
96.	G.Udayakumar	Library Attendant
97.	S.Arumugam	Cobbler Grade-I
98.	S.Nagome	Dresser
99.	T.Rajkumar	Dresser
100.	G. Vijayakumar	Driver Grade-I
101.	C. Rajmohan	Driver Grade-I
102.	K.Jegan	Driver O.G
103.	S.Ganesh	Theatre Attendant(MTS)
104.	V.Balamurugan	Theatre Attendant(MTS)
105.	M.Lavanya	Lab. Attendant(MTS)
106.	R.Kala	Lab. Attendant(MTS)
107.	M.Kalaivanan	Animal Attendant(MTS)
108.	N.Jothimani	Animal Attendant(MTS)
109.	D.Sudha	Animal Attendant(MTS)
110.	D.Nithyananthan	Animal Attendant(MTS)
111.	E. Vasudevan	Cook (MTS)
112.	V.Kumar	Kitchen. Asst.(MTS)
113.	E.Narayanan	Cartman (MTS)
114.	E.Anbu	Cartman (MTS)
115.	A.Sridharan	MTS
116.	S.Jayalakshmi	Nursing Attendant(MTS)

117.	G.Manimaran	Nursing Attendant(MTS)
118.	A.Dharmaraj	Nursing Attendant(MTS)
119.	C.Komala	Nursing Attendant(MTS)
120.	Y.Jayanthi	Nursing Attendant(MTS)
121.	R.Vengadeshwaran	Nursing Attendant(MTS)
122.	S. Raja	Cook(MTS)
123.	K.Ellammal	Sanitary Jamadar (MTS)
124.	J.Malliga Begum	Store Attendant(MTS)
125.	K.Sankaradoss	MTS
126.	C.Veeraputhiran	Daftry (MTS)
127.	E.Rajaganapathy	MTS
128.	S.Prasath	MTS
129.	D.Damodaran	MTS
130.	D.K.Sadanandam	MTS
131.	K.Govindaraj	MTS
132.	E.Dakshinamurthy	MTS
133.	R.Sekar	MTS
134.	I.Yesudoss	MTS
135.	D. Lakshmi	MTS
136.	S.Munuswamy	MTS
137.	D.Stanley SelvaDurai	MTS
138.	A. Rajalakshmi	MTS
139.	D. Ashok Kumar	MTS
140.	N.Maran	MTS
141.	K.Ravi	MTS
142.	G.Shanthi	MTS
143.	K.Chandrasekar	MTS
144.	Vishwajeet Kumar	MTS
145.	Aakash Priyadarshi	MTS



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