

**Annual Report of Regional Leprosy Training and Research Institute,**  
**Raipur (C.G.)**  
**April 2019-Oct. 2020**

**About RLTRI**

Regional Leprosy Training and Research Institute (RLTRI), Raipur established in the year 1979, is one of the 3 RLTRIs in the country, established with the aim to provide specialized care to the leprosy cases, undertake research in the field of leprosy and develop specialized manpower by imparting training to vertical leprosy staff, deployed all over the country. With the coordinated efforts of several agencies in which RLTRI was an active and collaborative partner leprosy stands eliminated in the year 2005. With the goal of leprosy control being achieved it was decided to merge NLEP activities with the General Health System of the respective states. Post integration, RLTRI continued to provide specialized quality services to difficult to manage complicated cases of leprosy and support to state system by undertaking technical monitoring and evaluation time to time. The institute also continued to impart training to various health functionaries viz. Regional Directors, State Leprosy Officer, District Leprosy Officers, Block Medical Officer, Para Medical Personnel, Laboratory staff, Physiotherapist and other categories of staff from general health care system of various states. Institute has undertaken operational and need based research in the field of leprosy. Nation wise evaluation of leprosy has been done by the institute after integration of NLEP in General Health care system. As a subordinate office of Central Leprosy Division (CLD) the Institute has been involved actively in special leprosy case detections campaigns like MLEC, SPARSH and LCDC etc. The institute is contributing towards achieving the target of less than one case of Grade II deformity per million population and zero child rate before the 150<sup>th</sup> Birth Anniversary of the father of the nation. .

Institute also has hospital including OPD, 50 bedded indoor wards, a laboratory to undertake Microscopy confirmation of M Lepae by skin smear examination and an OT to undertake reconstructive surgeries for leprosy related deformities which is closed for about 3 years and is now under the process of renovation/repair. Institute has also been designated as one of the Centre for RCS in the State of Chhattisgarh. As OT being non-functional presently the Institute is undertaking RCS surgeries in camp mode in various districts of Chhattisgarh and other Indian states. DPMR services are provided to Persons affected with Leprosy (PAL) in the institute and during the camps.

The institute is committed to the goal of leprosy free nation by empowering the health manpower and the community through competency based training and IEC, undertaking need based research and providing quality care to Person effected with leprosy (PAL).

**Historical & Milestones in the Development**

The institute has been designated as Regional Office of Health and Family welfare for the State of Chhattisgarh and has been given responsibility of monitoring various national health programmes including NVBDCP, RNTCP, RMNCHA+, HIV, AIDS, NPCDCS, NBCP, IDSP, Disaster Management. Thus at present the Institute is holding dual responsibility of RLTRI and ROHFW.

## Vision

Leprosy free community

## Mission

Enabling health care providers for early diagnosis, timely treatment completion, Disability Prevention & Medical Rehabilitation

## Objectives:

1. Training : Regional Directors, State Leprosy Officer, District Leprosy Officers, Block Medical Officer, AMO, Para Medical Personnel, Laboratory staff, Physiotherapist and other categories of staff from general health care system of various states
2. Monitoring, Evaluation of NLEP . Providing feedback
3. Services Outpatient, inpatient care and DPMR including RCS.
4. Research : need based and Operational
5. Collaboration and Coordination among the stakeholders

**Table 1 Staff Position of RLTRI (2019-20)**

Group	No. of post sanctioned	No. of post filled	No. of post vacant
A	11	9	2 (18.1)
B	11	3 + 1 (Contractual) <sup>1</sup>	8 (72.7)
C (& D)	57	25 + 2 (Contractual) <sup>2</sup>	32 (56.1)
Total	79	37 + 3 (Contractual)	42 (53.1)

<sup>1</sup>Staff Nurse/Nursing Officer, <sup>2</sup>Nursing Orderly

## Budget :

Institute has total sanctioned budget of Rs. 7,29,00,000/= for RLTRI and Rs. 4,65,000/- for ROHFW for the year 2019-20.

**Infrastructure:** The institute has a fenced campus with a land area of about 14 acre. Inside it has:

1. Administrative block-Director office, Auditorium, Seminar Room,
2. Hostel Block-28 double bedded rooms with common toilet facility with Kitchen and dining hall facility.
3. Hospital block-At present 3 wards functioning (55 beds), OPD Cubicles , Laboratory for Leprosy patients, Laboratory for NVBDCP work, Pharmacist room, Stores, X-Ray unit, Physiotherapy unit, Operation Theatre ( Presently under renovation) Remarks-1 ward given to State Tuberculosis Training cum Demonstration Center under RNTCP.
4. Staff Quarters- 63, Type-A-19, Type-B-33, Type-C-4, Type-D-5, Type-E-3. Remarks-Two Type E quarters given to Malaria unit of ICMR.

**Newer initiative by the institute during the year**

- 1. Efforts to for making availability of diagnosis and treatment of leprosy as per NLEP guidelines** Non availability of Diagnosis at the PHC is major reason for delay and development of Grade II deformity. The issue has been taken up with the Secretary health Govt. of CG. Instructions have been issued to the concerned state and district authorities for diagnosing the cases at PHC level.
- 2. Speeding up clearing of RCS backlog & updating & line listing of eligible cases** with the involvement of State Health authorities District wise Updated list of 211 cases has been obtained. Thereafter Operation RCS has been initiated in the camp mode at District Hospitals.
- 3. Technical Monitoring of 19 districts of Chhattisgarh State** by the officers of RLTRI, Raipur and ILEP/WHO Consultant. This activity has been started on the initiative of Dr. Anil Kumar, Deputy Director General (Leprosy) since December 2018.
- 4. Online Training of Medical Officers** in collaboration with ECHO using their platform: Using hub and spokes model : RLTRI is providing its services as expert to Primary care clinician / health care providers of Maharashtra state . The First ECHO session was inaugurated by DDG and conducted on 6<sup>th</sup> Feb 2019.

<b>(i)</b>	<b><u>For getting MDT</u></b>	<b><u>148</u></b>	<b><u>MB</u></b>	<b><u>117</u></b>	<b><u>PB</u></b>	<b><u>31</u></b>
<b>(ii)</b>	<b><u>Type-I Reaction/Neuritis</u></b>	<b><u>361</u></b>	<b><u>MB</u></b>	<b><u>290</u></b>	<b><u>PB</u></b>	<b><u>71</u></b>
<b>(iii)</b>	<b><u>Type-II Reaction</u></b>	<b><u>359</u></b>	-			
<b>(iv)</b>	<b><u>RCS cases (for review)</u></b>	<b><u>30</u></b>	<b><u>MB</u></b>	<b><u>26</u></b>	<b><u>PB</u></b>	<b><u>4</u></b>
<b>(v)</b>	<b><u>Grade-I Deformity</u></b>	<b><u>0</u></b>	-	<b><u>0</u></b>		<b><u>0</u></b>

	<b>Grade-II Deformity</b>					
(vi)	<b>(including ulcer cases)</b>	<b>232</b>	<b>MB</b>	<b>194</b>	<b>PB</b>	<b>38</b>

**Table 1 Staff Position (2018-19) put as on date**

Group	No. sanctioned	No. filled	No. vacant
A	11	10	1 (9.1)
B	8	2 + 1 (Contractual) <sup>1</sup>	5 (62.5)
C (& D)	60	28 + 2 (Contractual) <sup>2</sup>	29 (48.3)
Total	79	40 + 3 (Contractual)	35 (44.3)

## Budget : Year 2019-20

Institute has total sanctioned budget of Rs 7,29,00,000/- for RLTRI and Rs 4,65,000/- for ROHFW for the year.

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(i)	<u>For getting MDT</u>	<u>148</u>	<u>MB</u>	<u>117</u>	<u>PB</u>	<u>31</u>
(ii)	<u>Type-I Reaction/Neuritis</u>	<u>361</u>	<u>MB</u>	<u>290</u>	<u>PB</u>	<u>71</u>
(iii)	<u>Type-II Reaction</u>	<u>359</u>	-			
(iv)	<u>RCS cases (for review)</u>	<u>30</u>	<u>MB</u>	<u>26</u>	<u>PB</u>	<u>4</u>
(v)	<u>Grade-I Deformity</u>	<u>0</u>	-	<u>0</u>		<u>0</u>
(vi)	<u>Grade-II Deformity (including ulcer cases)</u>	<u>232</u>	<u>MB</u>	<u>194</u>	<u>PB</u>	<u>38</u>

## **RLTRI ACTIVITY**

<b>OPD services:</b>	<b>Achievement</b>
New Leprosy Cases detected	620
No. of MB cases in newly detected cases	396
No. of PB cases in newly detected cases	224
No. of old cases provided treatment	3019
General Patients	2723
Total patients attended OPD	6362
<b>IPD Services:</b>	<b>Achievement</b>
No. of patients admitted for RCS & Physiotherapy	134
No. of patients admitted having Ulcers	79
No. of patients admitted having ENL reaction	138
Total No. of patients admitted in the Wards	355
<b>Lab Services:</b>	<b>Achievement</b>
No. of Microbiological investigation undertaken	1982
No. of clinical pathological investigation undertaken	137
No. of bio-chemical investigation	338
Cross checking of Malaria Slides	455
<b>Total No. of investigation done</b>	<b>2912</b>
<b>Physiotherapy Services:</b>	<b>Achievement</b>
No. of patients given Wax bath therapy	54
No. of patients given oil massage, hydro-oiling therapy	222
No. of patients given Active and Passive Exercise	619
No. of patients given Electric Vibrator Massage	53
IR	1
<b>Total No. of patients provided Physiotherapy</b>	<b>896</b>
Splints given	251
MCR Chappal given	49
Foot Drop Belt	12
<b>Total appliances given</b>	<b>312</b>

### **Training Conducted:**

<b>Sr No</b>	<b>Name of the training related to Leprosy</b>	<b>Duration of training</b>	<b>Number of Batch trained</b>	<b>Number of Participants trained</b>
1	National level DLO Training	5 days	2	12
2	National level BMO/MO/AMO Training	3 Days	10	118
3	National Level PMW training	5 Days	1	20
4	Training imparted to Students ( MBBS, AYUSH)	1 day	5	121
5	Training imparted to MSW students	1 day	1	14
6	Training of MSC, BSC Microbiology	1 day	1	13
7	MBBS Interns	1 days	35	138
8	Training imparted to Nursing Students	1 day	2	80
		<b>TOTAL</b>	<b>57 Batch</b>	<b>516 Participants</b>

**Reconstructive Surgery for Leprosy & Polio affected patients at RLTRI, Raipur:**

No. of surgeries conducted at RLTRI during 2018-2019 on routine basis	0 cases*
Leprosy RCS in Camp in FY 2018-19 (in 11 camps organized in 6 districts)	111 cases

\*Due to repairing and renovation, OT of the RLTRI, Raipur is not functional.

**TECHNICAL SUPERVISION OF NLEP ACTIVITIES**

16 Districts were visited in the financial year 2018-19 for supportive supervision of various NLEP activities. The details are as under

- 1. Leprosy Case Detection Campaign (LCDC):** *12 districts of 3 states ( Jharkhand, Madhya Pradesh and Punjab) were monitored for LCDC activity*
- 2. Sparsh leprosy awareness campaign:** *4 districts of Chattisgarh state were monitored for Sparsh activity.*

**Performance of ROHFW Raipur (Year 2018-19)**

Particulars		No
Liaison & Coordination	National Level Meeting attended	16
	State level Meeting attended	18
	Issues addressed/sorted out including UCs	0
	Instts. Visited for feasibility for New initiatives	4
	Central monitoring teams coordinated	2
	Court cases being coordinated	0
	Sample (items) collected for quality check.	0
Review Meetings	Review Meetings Conducted State Prog Officer	9
Instts Visited for NRHM, IPHS, NLEP monitoring etc	DH & SDHs/Urban Leprosy Center	14
	CHCs	52
	PHCs	33
	SHCs	37
	NGOs/ Pvt Hospitals	0
No. of Districts Visited to Review NRHM and Disease Control Programmes	NRHM	4
	NVBDCP	12
	RNTCP	3
	NLEP	18
	NBCP	0
	NACP	0
	IDSP	1
	NIDDCP	1
	Tobacco control	1
	Elderly Programme(NPHCE)	1
	Cancer, Diabetes,CVD & Stroke (NSPCDS)	1
	Mental Health	0
	Trauma	0
	Oral Health	0
	Prevention of burn injuries	01
Training Programmes Undertaken Other	Training (NLEP) ( In house)	48
	of trainees	454
Cross-Checking	Blood slides collected at malaria Clinic of ROHFW	0
	blood slides found Positive of ROHFW	0
	Blood slides of District Cross checked (Malaria)	3115
	Blood slides found with Discrepancies	45
	Peripheral Labs cross-checked	0
	Labs found not conforming laid standards	1
CC Users	ECs practising CC methods contacted	38
	ECs found fake/ denials	14



Particulars		No
Field Verifications of Children for immunization ANC, PNC and JSY following >1 yr Children cohort retrospectively	Children contacted for immunization	62
	Children found fully immunized	62
	mothers contacted to verify ANC Check-ups	62
	Mothers found 3 ANC Check-ups & Given 100 Tabs IFA	62
	ANC mothers have complications	18
	Mothers Contacted for PNC check-ups by HW.	62
	Mothers have Hospital Delivery	62
	Mother have visited for 3 PNC check-ups	38
	Mothers have any complication during PNC period	0
	Mothers contacted or verification of JSY	62
	Mothers Have got monetary benefits o JSY	60
	mothers spend/paid money from their pockets	0
HIFU	Instts visited under HIFU	0
Newer events/unusual events reported	Newer Diseases reported	0
	Epidemic reported	1
	Natural Disaster reported	0
	Other Un specified activity undertaken,e.g., H1N1 related activities	0

## Special Activities

### A) Post MDA evaluation of districts of state of Chhattisgarh (2018-19)

(In April 2018, 4 Districts were evaluated and in March 2019 6 district evaluated )

The table shows the district and block wise actual and reported coverage ( April 2018)

Dist	Coverage Evaluation Survey of MDA						
	Name of Block	Houses Covered	Total Population surveyed	Eli-population	MDA Consumed tablets	Evaluation Survey Coverage	DMO Reported Coverage
Raipur	Raipur -Urban	30	152	148	32	21.6	>90%
	Dharsiwa	30	157	152	15	9.8	
	Arang	30	156	152	90	59.2	
	Abhanpur	30	164	159	53	33.3	
	<b>Total</b>	<b>120</b>	<b>529</b>	<b>511</b>	<b>190</b>	<b>37.1</b>	
Mahasamund	Mahasamund U	30	150	139	79	56.8	87.9%
	Pithura	30	161	141	84	59.6	90.7%
	Saraipali	30	150	141	88	62.4	87.6%
	Mahasamund	30	187	172	84	48.8	87.8%
	<b>Total</b>	<b>120</b>	<b>648</b>	<b>593</b>	<b>335</b>	<b>56.5</b>	<b>89.1%</b>
Raigarh	Raigarh Urban	30	163	151	87	57.6	85.9%
	Tamnar	30	139	137	115	83.9	86.6%
	Garghoda	30	178	167	149	89.2	85.1%
	Sarangarh	30	163	152	139	91.4	84.6%
	<b>Total</b>	<b>120</b>	<b>643</b>	<b>607</b>	<b>490</b>	<b>80.7</b>	<b>85.3%</b>
Balodabazar	Balodabazar- U	30	159	155	21	13.5	90%
	Palaria	30	182	167	76	45.5	
	Kasdol	30	162	149	53	35.6	
	Bhatapara	30	173	153	120	78.4	
<b>Total</b>	<b>120</b>	<b>676</b>	<b>624</b>	<b>270</b>	<b>43.3</b>		

The lowest coverage was in Raipur district with Dharshive block reporting less than 10%. Mahasamund and Balodabazar district had also showed consumption coverage below 50 % while Raigarh had coverage more than 80%. All urban area had very low coverage ( Range 10-57%) in all the evaluated districts of state of Chhattisgarh.

DISTRICT	Name of Block	Houses	Total Pop	Eli-pop	Drug Consumed	Evaluation Coverage	District Reported Coverage
Jashpur	Lodam (Baghima)	30	149	129	119	92.2	81%
	Manora(Phatepur)	30	148	138	112	88.4	93%
	Bagicha (Chandadipa)	30	144	126	91	72.2	88%
	Jashpur(U-Madhubantoli)	30	185	176	72	40.9	81%
	<b>Total</b>	<b>120</b>	<b>626</b>	<b>569</b>	<b>404</b>	<b>71</b>	<b>87%</b>
Raigarh	Loing (Chiraipani)	30	165	156	142	91	91%
	Tamnar (Jhingol)	30	175	158	152	96.2	98%
	Gharghoda (Jhariyapali)	30	153	147	143	97.2	99%
	Raigarh (U-Hiranagar)	30	158	145	112	77.2	
	<b>TOTAL</b>	<b>120</b>	<b>651</b>	<b>606</b>	<b>549</b>	<b>90.5</b>	<b>94%</b>
Janjgir Champa	Nawagarh (Auri)	30	186	177	87	49.1	87%
	Baloda (Jarwey)	30	166	153	103	67.3	95%
	Pamgarh (Loharsi)	30	180	147	124	84.3	95%
	JC( U-Kuber Nagar)	30	187	179	158	88.2	
	<b>Total</b>	<b>120</b>	<b>719</b>	<b>656</b>	<b>472</b>	<b>71.9</b>	<b>91%</b>
Durg	Patan (Teligundra)	30	167	162	99	61.1	96.40%
	Durg (Nagpura)	30	174	168	78	46.4	85.60%
	Durg (U- Diprapara)	30	147	141	68	48.2	85.60%
	Dhamdha ( Nandini)	30	201	195	117	60.0	92.91%
	<b>Total</b>	<b>120</b>	<b>689</b>	<b>666</b>	<b>362</b>	<b>54.4</b>	<b>89%</b>
Bemetara	Khandsara (Bahnuwa)	30	167	159	54	34.0	81%
	Bemetara ( Ward 11 )	30	148	141	89	63.1	81%
	Saja (vill Khati)	30	168	162	96	59.3	85%
	Berla (vill Ranka)	30	155	148	56	37.8	90%
	<b>Total</b>	<b>120</b>	<b>638</b>	<b>610</b>	<b>295</b>	<b>48.4</b>	<b>85%</b>
Balod	Balod (Ward 1 Parras)	30	158	142	69	48.6	68.37%
	Balod (Parkibhat)	30	149	134	71	53.0	68.37%
	Dondi (Mahamaya)	30	146	129	76	58.9	75.22%
	Gurur ( Kapermeta)	30	152	139	17	12.2	82.88%
	<b>Total</b>	<b>120</b>	<b>605</b>	<b>544</b>	<b>233</b>	<b>42.8</b>	<b>81%</b>

Out of six districts, Raigarh district has consumption coverage more than 90%. There was improvement in consumption coverage as compared to previous MDA round. All urban clusters had low coverage than rural area. Lowest coverage was noted in Gurur ( Balod) block i.e 12%.

## Family Planning services:

Low PPIUCD insertions in high delivery load even though availability of trained staff except Manendragarh CHC. Majority of PPIUCDs were taken by 2/3+ gravida. IUCD insertion rate low and no follow up in the facility.

ECP not available in most surveyed facilities. OC pills utilization was low across the surveyed facilities .Laparo, tubectomy, NSV and comprehensive Abortion being was performed at Mahandgarh CHC only. Follow up of clients after sterilization/ PPIUCD needs to be focused upon.

### Performance of surveyed Health facilities

Name of Health Facility	Period	No of delivery	IUCD	PPIUC D	OCP	ECP	Condom
Sonhat CHC	April – June 2018	107	5	0	0	0	0
Katghodi PHC	April – June 2018	70	26	10	3	0	116
Khadgawa CHC	April – March 2018	138	8	0	0	0	0
Podi Bachra PHC	April 17- March 2018	493	26	15	0	0	0
Manendragarh CHC	April 17- March 2018	1524	23	199	0	0	0
Nagpur PHC	April 17- March 2018	177	5	3	137*	29*	1836*

\* Beneficiary list not available and no primary register

## Proposed Annual Action Plan (Year 2019-20)

### A) THE INSTITUTIONS TO BE VISITED (NO OF DISTRICT VISITS AND NO OF HEALTH FACILITIES) AS PER QUARTERS

S. No	Activities to be Carried out	Q-1	Q-2	Q-3	Q-4	Total	
1	<b>Institutions To be Visited</b>						
	State HQ	As per need					
	District HQ	2	2	2	1	7	
	District/Sub Distt Hospital	2	2	2	1	7	
	CHCs	4	4	4	2	14	
	PHCs	4	4	4	2	14	
	SHCs	4	4	4	2	14	

A total six districts were identified for RD visit during the year 2019-20 for technical supervision of national health programmes. The purpose of the visit to the districts is to find out the gaps in the existing status of NHP, for further improvement. Based on the epidemiological data and thrust area of state, the districts are given priority and the selection of health facility will be based on operational feasibility and approachability. Other criteria for selection based on some indicators, performance, blocks will be identified. One PHC and one health sub-center were identified from selected block for assessment of facility as per standard and implementation of national health programmes. If needed facility may be increased or less than mentioned based on situation during time of visit.

### B) RD stratification of Districts likely to be visited during 2019-20

Category	District	Month
Tribal	Kondagaon	May 2019
Tribal	Korba	June 2019
Tribal	Surajpur	August 2019
Non Tribal	Bilaspur	Oct 2019
Non Tribal	Mahasamund	Dec 2019
Non Tribal	Gariyaband	Jan 2020

**D) Client verification** : a cohort of 10 mother will be selected (sampling) from above mentioned district and cross verified ANC, PNC, Immunization, Iron and folic acid tablets, temporary and permanent family planning methods etc were verified and satisfaction of client also.

**E) Post MDA EVALUATION**- As per state need

**F) Newer Initiatives of NHP**: As per RD cell/ MoHFW direction

**G) LCDC/ SPARSH Abhayan** – As per request of Central Leprosy Division, DGHS, New Delhi.