GUIDELINES FOR THE IMPLEMENTATION OF THE SCHEME REGARDING

"SETTING UP OF NATION-WIDE NETWORK OF LABORATORIES FOR MANAGING EPIDEMICS AND NATIONAL CALAMITIES"

BEYOND 12TH FIVE YEAR PLAN AND FROM 2017-18 TO 2019-20
(14TH FINANCE COMMISSION PERIOD)

GOVERNMENT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE
(DEPARTMENT OF HEALTH RESEARCH)

(NOVEMBER, 2017)

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INTRODUCTION

The Scheme was approved by the Expenditure Finance Committee (EFC) Chaired by Secretary (Expenditure) & Finance Secretary in the meeting held on 20th March, 2013. Approval of the Cabinet Committee on Economic Affairs (CCEA) was accorded on 27th June, 2013 at an estimated cost of Rs.646.83 crore for the 12th Plan period.

The 12th Plan target was to establish three tier networks of 160 Viral Research & Diagnostic Laboratories (VRDLs), comprising of 10 Regional Laboratories, 30 State Level Laboratories and 120 Medical College Level Laboratories across the country. The Scheme will help coverage of the entire country for timely diagnosis/identification of viruses during outbreaks of epidemics, generation of data about viral diseases for facilitating quick deployment of resources & measures to save the human lives.

The Scheme was approved in the 2nd year of 12th Five Year Plan, virtually giving only 4 years' time for implementation. Due to non-availability of adequate funds as per EFC approved phasing of expenditure, time taken by the concerned Medical Colleges/other Institutes in identifying suitable space/land, creating requisite infrastructure, procedural delays in procurement of equipment and recruitment of manpower, linking of pendency of UCs against other Schemes of the Ministry of Health & Family Welfare (MoH&FW) for release of funds under the DHR Schemes, etc., there is spill over of targets beyond 12th Five Year Plan.

1. OBJECTIVES OF THE SCHEME

- Creating infrastructures for timely identification of viruses and other agents causing morbidity significant at public health level and specifically agents causing epidemics and/or potential agents for bioterrorism.
- Developing capacity for identification of novel and unknown viruses and other organisms & emerging/ re-emerging viral strains and develop diagnostic kits
- Providing training to health professionals.
- Undertaking research for identification of emerging and newer genetically active/ modified agents.

3. COVERAGE

I. During 12th Plan Period

Year	Physical Target achieved		
	Regional Labs	**State Labs**	**Medical College Labs**
2012-13	-	-	-
2013-14	2	4	6
2014-15	3	2	13
2015-16	-	5	10
2016-17	-	4	16
TOTAL	5	15	45

- 82 VRDLs (5 Regional, 15 State Level and 62 Medical College Level Labs) have been approved so far.
- Funds have been released to 65 VDRLs (5 Regional, 15 State Level and 45 Medical College Level Labs).
- 29 VRDLs have become functional and carrying out day to day diagnosis

II. Target for coverage during 14th Finance Commission (2017-18 to 2019-20):

Establishment of remaining 60 Viral Research & Diagnostic Laboratoriesas spill over from the 12th Plan is follows:

Year	Physical Target achieved		
	Regional Labs	**State Labs**	**Medical College Labs**
2017-18	5	10	15
2018-19	0	0	30
2019-20	Committed Liabilities of 1 25 VRDLs		
TOTAL	**5**	**10**	**45**

(Rupees in crore)

Year	Physical	Financial		Total
		Non-Recurring	**Recurring**	
2017-18	RL-5; SL-10; MCL-15 + Committed liabilities of 65 funded VRDLs	211.03	042.67	**253.70**
2018-19	MCL-30 + Committed liabilities of 95 funded VRDLs	100.55	067.10	**167.65**
2019-20	Committed liabilities of 125 funded VRDLs	0	067.10	**067.10**
	Total	**311.58**	**176.87**	**488.45**
RL (Regional Lab)/SL (State Level Lab)/MCL (Medical College Level Lab)				

4. FUNCTIONS OF VIROLOGY LABS

(1) Regional Labs:

4.1 The five Regional Laboratories had been established during the 12th Plan Period, 5 more Regional Laboratories would be established in 14th Finance omission Period (five in 2017-18). It is proposed to set up at least one BSL- 3 Laboratory in each region of the country. Total ten sites out of AIIMS like Institutions/ ICMR Regional Institutions by the Expert Committee based on the available infrastructure like microbiology labs and epidemiological needs of the region have been identified in the following sites:

1. Post Graduate Institute of Medical Research (PGIMER), Chandigarh
2. National Institute of Cholera & Enteric Diseases (NICED), Kolkata, West Bengal
3. Regional Medical Research Centre, Dibrugarh, Assam
4. Regional Medical Research Centre, Bhubaneswar
5. National Institute of Virology Field Unit, Bangalore
6. All India Institute of Medical Sciences, Delhi
7. All India Institute of Medical Sciences, Bhopal
8. All India Institute of Medical Sciences, Patna
9. All India Institute of Medical Sciences, Jodhpur
10. Jawaharlal Institute of Postgraduate Medical education & Research, Puducherry

4.2 Regional Laboratories have state-of-art facilities so that it could achieve the objectives in research, continuous monitoring and surveillance of existing as well as new viral and other strains and handling of viruses etc. with a potential of being used as agents of bioterrorism, capacity building, diagnosis, development of diagnostic kits etc.

(2) State Level Laboratories:

4.1 **Government Medical Colleges has been targeted to be covered under the scheme, it has been decided to establish State level Laboratories, in the various States / Union Territories in the 30 Govt. Medical Colleges, in a phased manner (5 in 2013-14, 10 in 201415 and 15 in 2015-16).**

4.2 State Level Laboratories are equipped with BSL- 2 facility and expected to carry out serology, RT-PCR, isolation, fluorescence microscopy, tissue culture and sequencing for all enlisted viruses. These laboratories are also expected to be involved in basic as well as applied research on viruses, development of kits and diagnostic reagents and identification of unknown/referred samples from the Sub-state level laboratories.

(3) Medical College Laboratories:

4.1 **Each medical college lab will cover a cluster of 3-4 districts.** In case of any outbreak / epidemic, these medical college level labs will carry out the initial diagnosis/ screening at the most peripheral areas & nearest to the site of outbreak. Each Medical College lab will cover a cluster of 3-4 districts. While the medical college labs will be expected to identify all listed common viruses, the viruses/agents which cannot be identified by these labs will be referred to the State/Regional Labs for identification and / or characterization.

4.2 The geographic spread of the labs will be taken care of while establishing the labs to cover the entire country and the States not having any medical college will be linked to the labs in the nearby State/area.

5. COST AND FUNDING OF VIROLOGY DIAGNOSTIC LABS (VRDLS)

5.1 Regional Labs: The Non-recurring cost of a Regional Level Lab would be about Rs. 15.00 crores for the development infrastructure, which include civil works (Rs.4.20 cr), furnishing & furniture (Rs.50 lakh) and equipment (Rs.10.25 cr.).The recurring cost of Regional Lab per annum is Rs 1.25 crore, towards staffing (Rs.90 lakh), Consumables & Contingencies and Training (Rs.35 lakhs).

5.2 State Level Labs: For developing required Infra structure, an amount upto Rs.50 lakhs per lab is proposed under civil works mainly for renovation/modification of the buildings and Rs. 3.475 cr. for equipment. Apart from the non-recurring grant, a recurring grant amounting to about Rs.63 lakh per annum will also be extended for a period of 5 years for engaging trained technical man power on contractual basis (Rs. 38 lakh per annum), training, consumables and contingency expenditure amounting (Rs.25.00 lakh per annum).

5.3 Medical College Labs: Non-recurring cost: about Rs. 93.90 lakhs per lab for equipment and civil works /renovation of building (Rs.50 lakh); Recurring cost: Rs 39 lakhs, towards staffing (Rs.24 lakh), Consumables & Contingencies and Training (Rs.15 lakhs) per annum.

Note(1): All the Regional Labs will be managed and fully funded by the Department of Health Research.

Note (2): However, the cost towards establishment of State level Labs and medical college labs, will be shared between the Central Government and the concerned State Government in the ratio of 75:25. For north-eastern states, hilly states, including Sikkim and J&K, the ratio would be 90:10. The cost of land/building to be provided by the State Government will be reckoned towards its contribution.

5.4 Ready beckoner for costing and norms of financial assistance for various category of Labs is given at **Annexure-I.**

6. STAFFING OF VIROLOGY LABS:

6.1 The Core Staff to be provided at various labs is given at **Annexure II & III.**For the State level labs and Medical College Labs, no regular staff is approved and these labs will be managed by contractual staff only.

7. IMPLEMENTING AGENCY:

a) The scheme will be implemented by DHR through the ICMR. DHR will have overall managerial role for release of funds and monitoring of the project.

b) All the laboratories will work under the overall guidance of apex institutions like NIV, Pune; NCDC, New Delhi through appropriate linkages and networking.

8. SUBMISSION OF APPLICATIONS /PROPOSALS

8.1 Applications/Proposals for establishment of State level and Medical College Level Labs would be required to be submitted online by the concerned State Health Department to the DHR website on www.dhr.gov.in

9. SCREENING/ EVALUATION & DECISION ON THE PROPOSALS:

9.1 The process of screening/evaluation/final approval would broadly comprise the following:

(1) Screening/evaluation of the proposals would be carried out by a two tier review by a Technical Screening Committee and Evaluation Committee, comprising of various experts. This process of assessment may include-

a) Site visits by the Committee or its sub-committee, wherever required.

b) Seeking additional expert opinion wherever required.

(2) The proposals duly recommended by the Screening Committee and Evaluation Committee fulfilling technical and administrative criteria would be considered in DHR for final approval.

The Approval Committee would comprise of:

(i)	Secretary, DHR	…	Chairman
(ii)	SS &FA (Health)	…	Member
(iii)	Joint Secretaries of DHR	…	Members
(iv)	Head HRD, ICMR	…	Member
(v)	Expert	…	Member

10. FUNDING MECHANISM

10.1 Based on the decision of the Approval Committee, the DHR would initiate the process for release of funds.

10.2 In respect of Regional and State Level Labs, 50% of cost towards civil works and equipment will be released in the first year and the remaining 50% in the next year of sanctioning of the Labs. The recurring expenditure in these labs will be provided only the second year of their sanctioning.

10.3 However, in respect of Medical College Labs, the entire cost will be released at the time of sanctioning of the labs.

10.4 DHR would devise suitable internal mechanism for speedy execution of the civil works, procurement & installation of equipments, selection & posting of requisite core staff with the active involvement of the State Health Department. This would inter alia involve-

- Arranging Signing of MOA between the DHR/State Governments.
- Finalization of layouts/maps for establishing the Virology Labs.
- Tendering and hiring the agencies for construction /renovation of space provided for the setting up of Virology Labs.
- Procurement of equipment as per the indicative list at**Appendix –III.**
- Engaging the staff for the Labs.

11. OBLIGATIONS OF THE STATE GOVERNMENTS:

- Allocating a building on its premises for the establishment of the Viral Research Diagnostic Lab (VRDL) or to provide space of mutually agreed dimensions (approx. 250-300 sqmt for State Level Lab and approx. 200-300 sqmtr for Medical College Level Lab), free of cost, in its existing premises for the establishment of the VRDL.
- Deputing a mutually agreed number of its personnel to work in the VRDL, who eventually & gradually take over the functioning of laboratories.
- Deputing personnel (including those belonging to the State Health Service) to undergo training/attend workshops at the VRDL.
- To sign MoA with the DHR (format enclosed at **Appendix-IV).**

12. MONITORING MECHANISM

12.1 The various activities of the Virology Labs will be regularly monitored and guided by the Evaluation Committee, whose findings will be reported to the DHR for information/further action.The major monitorable targets/ indicators that will be used to review the various categories of Virology Labs, are given at **Appendix-V.**

13. PROGRESS REPORTS

13.1 The VRDLs will submit periodic progress reports to the DHR, as may be prescribed.

14. AUDIT REQUIREMENTS

14.1 The audit of accounts of the VRDLs would be done as per GFR.

15. UTILIZATION CERTIFICATES

15.1 The concerned Institutions/Medical College would be required to furnish the Utilization Certificate for the funds received under the project in accordance with the provisions of the GFRs. The UC will be accompanied by the performancecum-achievement reports of the VRDLs in the format as may be prescribed by the DHR. Format of the UC may be seen at **Appendix VI**.

16. CONTACT

Further information can be obtained at-

DHR website: dhr.gov.in/ **ICMR website:** icmr.nic.in/ **Contact person:**

1 **Shri V. K Gauba,** Joint Secretary to the Government of India, Department of Health Research, Ministry of Health & Family Welfare, IInd Floor, IRCS Building, Red Cross Road, New Delhi-110011, Ph.no: 011- 23736084.

2 **Sh. Raj Kumar,** Deputy Secretary to the Government of India, Department of Health Research, Ministry of Health & Family Welfare, IInd Floor, IRCS Building, Red Cross Road, New Delhi-110011, Ph no:

3 **Sh. Om Parkash,** Under Secretary to the Government of India, Department of Health Research, Ministry of Health & Family Welfare, IInd Floor, IRCS Building, Red Cross Road, New Delhi-110011, Ph no:

4 **Sh. A Selvam,** Project Manager, Department of Health Research, Ministry of Health & Family Welfare, IInd Floor, IRCS Building, Red Cross Road, New Delhi-110011, Ph.no: 011- 23736085

5 **Dr. Harmanmeet Kaur,** Scientist C, Department of Health Research, Ministry of Health & Family Welfare, IInd Floor, IRCS Building, Red Cross Road, New Delhi-110011, Ph. No-9013154862

6 **Dr. Neetu Vijay,** Scientist C, Department of Health Research, Ministry of Health & Family Welfare, IInd Floor, IRCS Building, Red Cross Road, New Delhi-110011, Ph. No-9312456584

Appendix-I

No. Z-14011/1/2016-HR (i)
Government of India
Ministry of Health & Family Welfare
Department of Health Research
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2nd Floor, Indian Red Cross Society Building,
Red Cross Road, New Delhi-110001
Dated: 25th October, 2017

OFFICE MEMORANDUM

Subject: Continuation of the Central Sector Scheme of Department of Health Research, namely, the "Setting up of Nation-Wide Network of Laboratories for Managing Epidemics and National Calamities" beyond 12th Five Year Plan i.e from 2017-18 to 2019-20 (14th Finance Commission period).

In pursuance of the decisions taken in the meeting of the Standing Finance Committee (SFC) held on 18th September, 2017 under the Chairpersonship of Secretary, Department of Health Research (DHR), approval of the Competent Authority is hereby conveyed to the **Continuation of the Central Sector Scheme of Department of Health Research, namely, the "Setting up of Nation-Wide Network of Laboratories for Managing Epidemics and National Calamities" beyond 12th Five Year Plan i.e. from 2017-18 to 2019-20 (14th Finance Commission period), at an estimated cost of Rs. 488.45 crores, follows:**

Rs. in Crores

S.No.	New Viral Research &Diagnostic Laboratories (VRDLs) to be established during 2017-18 to 2019-20		*Non-Recurring*	*Recurring*	*Total*
1	Regional Level Labs	05	112.50	31.37	143.87
2	State Level Labs	10	069.57	41.08	110.65
3	Medical College Level Labs	45	129.51	94.64	224.15
4	Cost of Project administration.		000.00	9.78	9.78
	Total	**60**	**311.58**	**176.87**	**488.45**

2. Other terms and conditions of the approval are as follows:

i. There is no change in the architecture or framework of the Scheme as originally approved, including funding norms for civil works/renovation and equipment for the various categories of VRDLs.

ii. Funding norms for non -recurring and recurring expenditure are given in **Annexure-I**.

iii. The revision in Recurring Cost is limited to the revised /rationalized remuneration of staff in the PMIUs and contractual staff at State level and Medical College Level Labs (**Annexure-II**) and 7th CPC pay scales for regular posts at the Regional Level **(Annexure-III).**

iv. The revision in remuneration of contractual staff both at the VRDLs and at the PMIUs would be applicable from 10.10.2017 i.e. date on which the continuation of scheme has been approved by the Competent Authority.

v. Remuneration of contractual staff in the category of MTS/DEO/Office Assistant, etc. would be linked to Minimum Wages Act.

vi. Proposal for creation of posts at the Regional level labs as per original approval of the scheme would be submitted to the Personnel Division of Department of Expenditure for approval separately as per existing guidelines on the subject.

vii. With reference to those State Level/Medical College Level VRDLs, where funds have been fully released and the Labs are fully operational, further recurring liability may be borne by the concerned State Govt./Medical College on

completion of five years since 2013-14. In case of those VRDLs, where full grant has not been availed so far, these would be continued to be supported till they are fully operational and till 2019-20, whichever is earlier.

viii. The guidelines of the scheme will stand amended in consonance with the decisions of the SFC.

3. This issues with the approval of the Competent Authority in terms of Ministry of Finance (Department of Expenditure)'s O.M. No.42 (02)/PF-II/2014 dated 23rd February, 2017 read with the OM No.24 (35)/PF-II/2012 dated 5th August, 2016 regarding appraisal and approval of schemes and with the concurrence of IFD vide their CD No.C-1932/2017 dated 24.10.2017.

25/10

(OM PARKASH)
Under Secretary to the Govt. of India
Tel No. 23736090
Email: om.prakash38@nic.in

Encl: As above

To:

1. Ministry of Finance (Department of Expenditure)
   [Sh. K. Rajaraman]
   Joint Secretary (Plan Finance Central-II),
   Room No. 161, North Block, New Delhi-110001

2. Special Secretary & Financial Adviser (Health & FW)
   [Attention: Ms Vandana Jain, Jt. Secretary (IFD)]
   Nirman Bhawan,
   New Delhi-110011

3. Adviser (Health)
   [Shri Alok Kumar]
   NITI Aayog
   Yojana Bhawan,
   Parliament Street,
   New Delhi-110001

Copy to :

1) The Senior Accounts Officer, Director General of Audit (Central Expenditure), AGCR Building, IP Estate, New Delhi-110002

2) The Chief Controller of Accounts, Ministry of Health & Family Welfare, Nirman Bhawan, New Delhi-110011

Copy also forwarded for information to:

i. PPS to Secretary (DHR) & DG (ICMR)
ii. Sr. FA, ICMR
iii. JS(VKG)/JS(SM)
iv. DS(IS)/DS(RK)
v. US (SN)/US(VK)/US(OP)
vi. All Project Managers/Finance Managers/Scientists of PMIUs of Schemes
vii. NIC for uploading on DHR website

FUNDING NORMS:

Statement indicating for financial assistance for the various categories of Labs to be established under the Scheme for "Setting up of a Nation-wide Network of Laboratories for Managing Epidemics and National Calamities" during the 14th Finance Commission period.

<table>
<tr><th>Type of Lab</th><th>Norms for financial assistance per Lab</th></tr>
<tr><td>Regional Lab</td><td>Non-Recurring cost:
About Rs. 15.00 crore for the development of infrastructure, which include civil works (Rs.4.20 cr.), furnishing & furniture (Rs.0.50 cr.) and equipment (Rs.10.25 cr.).

Recurring cost:
About Rs 1.25 cr. per annum, comprising of staffing (Rs.0.90 cr.) and Consumables & Contingencies and Training (Rs.0.35 cr.).</td></tr>
<tr><td>State Level Lab</td><td>Non-Recurring cost:
About Rs. 3.975 cr. comprising up to Rs.0.50 cr. under civil works mainly for renovation/modification of the buildings and Rs.3.475 cr. for Equipments.

Recurring:
About Rs. 0.63 cr. per annum comprising expenses for engaging trained technical man power on contractual basis (Rs.0.38 cr. per annum) and expenses on training, consumables and contingencies (Rs.0.25 cr. per annum).</td></tr>
<tr><td>Medical College Lab</td><td>Non-Recurring cost:
About Rs.1.439 cr. comprising Rs.0.939 cr. for equipment and Rs. 0.50 cr. for civil works /renovation of building.

Recurring cost:
Rs. 0.39 cr. per annum, comprising expenses on staffing (Rs. 0.24 cr.) and Consumables & Contingencies and Training (Rs.0.15 cr.).</td></tr>
<tr><td>Project Administration Charges</td><td>
<table>
<tr><th>Head</th><th>Amount</th></tr>
<tr><td>Project Implementation Unit at Department of Health Research</td><td>Rs. 0.76 cr. per annum.</td></tr>
<tr><td>Technical Support Cell at ICMR</td><td>Rs. 0.76 cr. per annum.</td></tr>
<tr><td>Office Expenses at Department of Health Research</td><td>Rs. 1.00 cr. for the project period.</td></tr>
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Annexure-II

Revised remuneration of contractual staff at PMIUs and State Level and Medical College Level VRDLs					
Name of Post	**Salary Per Month (Rs.)**	**No of Posts**	**Per Month Per Post (Rs.)**	**Yearly (Rs.)**	**Total for Three Years**
DHR- PMIU					
Scientist - C (Medical)	75000	1	75000	900000	
Scientist - C (Non-Medical)	70000				
Section Officer	30000-40000	1	35000	420000	
Assistant	25000-30000	1	30000	360000	
Data Entry Operators	16000-20000	2	40000	480000	
Multi-Task Staff	12000-15000	2	30000	360000	
Total		**7**	**210000**	**2520000**	**7560000**
ICMR- PMIU					
Scientist - C (Medical)	75000	1	75000	900000	
Scientist - C (Non-Medical)	70000				
Section Officer	30000-40000	1	35000	420000	
Assistant	25000-30000	1	30000	360000	
Data Entry Operators	16000-20000	2	40000	480000	
Multi-Task Staff	12000-15000	2	30000	360000	
Total		**7**	**210000**	**2520000**	**7560000**
STATE LEVEL VRDLs					
Research Scientist - II (Medical)	75000	1	75000	900000	
Research Scientist - II (Non-Medical)	70000				
Research Scientist- I (Medical)	65000	1	65000	780000	
Research Scientists-I (Non Medical)	60000	1	60000	720000	
Research Assistant	30000	2	60000	720000	
Lab Technician	25000	2	50000	600000	
Total		**7**	**310000**	**3720000**	**11160000**
MEDICAL COLLEGE LEVEL VRDLs					
Research Scientist-I (Medical)	65000	1	65000	780000	
Research Scientists- (Non Medical)	60000	1	60000	720000	
Research Assistant	30000	1	30000	360000	
Lab Technician	25000	2	50000	600000	
Total		**5**	**205000**	**2460000**	**7380000**

Core Staff to be provided at each Regional Lab

S. No.	Name of the Post (Scale of Pay)	No. of Posts per Regional Lab	Total Number of posts to be created Regional Labs
1.	Research Scientist- II (Medical) (Rs.67700-208700 (Level-11) + NPA)	1	10
2.	Research Scientist -II (Non-Med) Rs.67700-208700 (Level-11)	1	10
3.	Research Scientist I (Medical) Rs. 56100-177500 (Level-10) + NPA.	1	10
4.	Research Scientist –I (Non-Med) Rs.56100-Rs177500 (Level-10)	1	10
5.	Lab Technician (Rs 29200 – Rs 92300 (Level-5)	4	40
Total No. of Regular Posts		**8**	**80**
1.	Research Assistant @30,000/- p.m. on contractual basis	2*	20
2.	Data Entry Operator (Rs 16,000-20,000/-) on contractual basis	2*	20*
3.	Multitask Worker (Rs.12,000-15,000/-) on contractual basis	6*	60*
4.	**Total No. of contractual Staff**	**10**	**100***

- ***Recurring Cost of Regional Lab: Rs 1.25 crore per annum comprising of staffing (Rs 0.90 crore) and consumables & Contingencies and Training (Rs 0.35 crore). However, pending creation of regular posts, remuneration of Contractual staff would be as per State and Medical College Level Laboratories.***
- ***Remuneration of Data Entry Operators/MTS would be linked to Minimum Wages Act.***

Appendix-II

GOVERNMENT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE
DEPARTMENT OF HEALTH RESEARCH

APPLICATION FOR SUBMISSION OF PROPOSAL FOR SETTING UP OF STATE AND MEDICAL COLLEGE LEVEL VIRAL RESEARCH & DIAGNOSTIC LABORATORY (VRDL) UNDER THE SCHEME ENTITLED "ESTABLISHMENT OF A NETWORK OF LABORATORIES FOR MANAGING EPIDEMICS AND NATURAL CALAMITIES".

Note: One hard copy and one soft copy is to be submitted.

Section A

GENERAL

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1. Level of laboratory proposed to be set up:
   (State/Medical College level)

2. Name of the Medical College along with list of affiliated hospitals:

3. Names and Designations of the Principal/Dean, Principal Investigator and Co- Investigator:

i) Name of the Principal/Dean with contact numbers & e-mail.

ii) Name of the PI with contact numbers and e-mail. iii) Name of the Co-investigators with contact numbers & e-mail.

4. Budget details for five years (as recommended in Annexure 1):

a.Budget requested from DHR:

i) Recurring

- Staff

- Contingencies

ii) Non-recurring
- Equipment
- Infrastructure Grant

iii) Travel (for collecting samples)

Total

b.Budget commitment from the State Govt. (Staff, Space/Building and Infrastructure)

{Kindly note that expenditure on establishment of labs at the State level and at the Medical Colleges would be shared between the Central Government and State Governments in the ratio of 75:25 (90:10 in respect of North-Eastern, Hilly States, including Sikkim and J&K)}.

5.Institution responsible for the laboratory
Name

Postal address

Telephone
e-mail Fax
No.

Section - B

DETAILED INFORMATION ON AVAILABLE EXPERTISE AND INFRASTRUCTURE FOR ESTABLISHMENT OF STATE/MEDICAL COLLEGE LEVEL VRDL

Adequate information must be furnished in a brief but self-contained manner to enable DHR/ICMR to assess the project.

1. Major Viral Diseases prevalent in your area (give details of outbreak investigations conducted by you/others or any other published evidence for the last five years).

2. Names of other virology laboratories (Govt./Private) functional in your area.
3. What is your willingness to create a VRDL: Very high / high / moderate / low / no priority

4. Details of the facilities in terms of equipments available at your Medical College/Department:

Set up No Yes for the ongoing project on

ELISA

IF

HA/HI
PCR
Electrophoresis
-Protein
-DNA
Tissue culture
Small animals
Mol. Cloning
Sequencing
Specimen storage
-20, -70, LN2

5. How much dedicated space will be allocated by the Medical College / Institutionfor establishment of the VRDL (please provide a map of the earmarked area).

   (Minimum requirement of space as per the approved scheme is: 250-300 sq.mtrs for State level Lab and 200-300 sq.mtr. for Medical College Level Lab).

6. What is the current strength of permanent Medical and Scientific staff at your Medical College/Institute? (Please mention vacant positions also).

7. What is the strength of temporary Medical and Scientific staff at your Medical College/Institute? (Senior Residents, MD/PhD students, staff working in projects).

8. Please enumerate the team of permanent staff of your Medical College that would be a part of the proposed virology lab including the PI (who will be the nodal person for this activity). Also indicate the percentage of time that each of the proposed team member would dedicate to work for the VRDL.

9. Current strength of studies:

	Yes	Yes but training required	No
Sero-diagnosis			
Molecular diagnosis			
Virus isolation			
Pathology &Pathogenesis			

Immunology of infections

Molecular basis of viral diseases

Vaccine development

Diagnostic kit development

10. What will be your priority areas in Virology? Please justify.

11. What are your current strengths in studies on viral infection? (high, medium, low)

Please explain in detail: (**pointsI-VII have to be answered by both State as well as Medical College VRDLs**)

I. *Your access to patients in nearby hospital.*
II. *Access to community (details of affiliated PHCs and CHCs)*
III. *Techniques used in your lab for testing of viruses (serological as well as molecular techniques) IV. List of outbreak Investigations conducted by you till now. V. Details of any study/studies conducted by you on viral infections.*
VI. *Logistics for sample collection and transportation to your lab VII. Proposed method of dissemination of test results.*

To be answered by the proposed State level VRDLs only:

VIII. *Details of Virus isolation techniques being currently undertaken.*
IX. *Details of any studies conducted by you on pathology and pathogenesis of viral diseases, immunological studies related to viral diseases, studies on viral infections using molecular techniques, development of vaccines or diagnostic kits for viruses.*

12. Which areas (in # 11 above) would you like to develop at your Institute? List in order of priority and give justification.

13. Do you think that you would be able to motivate some of the staff members to start / expand virology related work?

14. Based on your priority areas (#12 above) would you require training of your staff? Please mention the nature of training and duration.

15. What all Departments of the Medical College, State Health Departments, PHCs, CHCs etc. do you propose to liaison with for setting up the VRDL? What is the current flow of samples to your Department?

16. Nodal Officer from the State Government with full contact details.

17. Details of outbreaks investigated.

18. How will the State Govt. support in the establishment and functioning of the VRDL?

TERMS AND CONDITIONS:

- The commitments of each Medical College/State Level lab will be as per the Guidelines of the scheme on "Establishment of a network of laboratories for managing epidemics and natural calamities".
- The aspect of availability of infrastructure, manpower, equipment and willingness to carryout research will be kept in mind while selecting and approving the site for VRDL. These aspects will be ascertained by onsite visit bythe DHR/ICMR experts.
- The VRDL proposals will scrutinized by DHR/ICMR Expert Group before final approval.
- The approved VRDL would be expected to deal with diagnosis, outbreak investigations and research of common viruses enlisted in Appendix V of the guidelines for implementation of the scheme. Besides the common viruses enlisted, VRDLs would be expected to develop expertise for diagnosis of specific virus(es) circulating in their respective geographic areas.
- All VRDLs are expected to i) have liaisons with the State Public Health Department / IDSP / NVBDCP and essentially with the Regional and State level laboratories in their zone ii) get involved in local and regional outbreak investigations iii) encourage undertaking virology related projects for fulfillment of MD/MSc/PhD degrees and iv) subsequently develop strong 'virology projects' for extramural funding thereby generating adequate regional expertise in the field of virology. Each VRDL will have to submit a monthly report of the work done by them.
- The activities of the lab in terms of number of viruses tested per month, equipments procured, serological and molecular tests established for different viruses will be monitored regularly (monitorable targets of virology labs are at Appendix VI of Guidelines for implementation of the scheme).
- Each lab will be provided SOPs for testing all enlisted viruses and they will be expected to strictly adhere to the SOPs.
- The results of testing of each lab will be validated by putting adequate quality control checks. National Institute of Virology, Pune will be the apex lab for validating all results.
- Different categories of staff appointed at the VRDL will have to undergo training in different serological and molecular Viral Research & Diagnostic techniques at ICMR's National Institute of Virology, Pune.
- A copy of the signed MoA (Appendix V of the guidelines for implementation of the scheme) will be sent to DHR/ICMR before sanctioning of the lab.

- All VRDLs will have to submit annual progress report (on completion of 10 months) to DHR/ICMR for review by the Expert Group and continuation of funding.
- Annual Utilization Certificates and Audited Statements of Expenditure incurred have to be submitted to DHRfor release of funds.

DECLARATION AND ATTESTATION:

i. I/We have read the terms and conditions for establishment of Viral Research & Diagnostic Laboratory and fully agree with all terms and conditions. All necessary Institutional facilities in terms of permanent staff, space and available infrastructure will be provided if the VRDL is approved for financial assistance.
ii. I/We agree to submit annual report to DHR for review and continuation of the VRDL.
iii.I/We agree to submit (online) monthly reports to DHR and NIE, Chennai. iv.I/We agree to submit audited statement of accounts duly audited by the auditors as stipulated by the DHR.
v. I/We agree to submit the MoA between our State Government and DHR.
vi. It is certified that the equipment(s) is/are not available in the Institute/Department or these are available but cannot be spared for the project

Signature of the:

a) Principal Investigator _____
b) Co-Investigator(s) _____
c) Head of the Department _____

Signature of the Head of the Institution with seal_____

Date:

Appendix-III

Indicative List of equipments for various categories of Viral Research & Diagnostic Labs(VRDLs)

A. Regional Labs:

GENERAL AND CULTURE FACILITIES:

S. No.	Item	Companies
1.	Biosafety cabinet	ESCO Global, Haier BioMedical, Thermo Fisher Scientific
2.	Laminar air flow	ESCO GLOBAL, Haier BioMedical, Thermo Fisher Scientific
3.	CO2 incubator	NuAire Limited,
4.	Inverted Microscope	Nikon Corporation, Olympus Corporation, Fisher Scientific
5.	Centrifuge-Refrigerated high speed	Hettich India Pvt. Ltd, Eppendorf AG, Sartorius AG, REMI LAB WORLD
6.	Liquid Nitrogen Can – 47L capacity	Marshal Scientific, ThermoForma, Cryocan
7.	Liquid Nitrogen Can – 33L capacity	
8.	Millipore Positive Pressure Filtration/ Water Purification Sysytem	Merck Merck Millipore, Thermo Fisher Scientific, Sartorius AG
9.	Autoclaves (Steam Jacketed & Vertical)	Modis Enterprise Pvt. Ltd., Enclave, Accumax India
10.	Incubator	Nuve, Thermo Fisher Scientific,
11.	Fluorescent Microscope	Nikon Corporation, Olympus Corporation, Fisher Scientific, Bio-Rad Laboratories, Inc.
12.	Miscellaneous equipments	Tarsons Products Pvt. Ltd., Axygen Scientific, Sartorius AG, Corning Technologies India Pvt. Ltd.,

PCR:

1.	PCR workstation	Sigma Aldrich, Erlab, Fisher Scientific
2.	Thermo cycler	Applied Biosystems- Thermo Fisher Scientific, Eppendorf, Bio-Rad Laboratories, Inc.
3.	Gel electrophoresis & documentation unit	Applied Biosystems- Thermo Fisher Scientific, Bio-Rad Laboratories, Inc., Syngene, Axygen Scientific
4.	Refrigerated Microfuge	Hettich India Pvt. Ltd, Eppendorf AG,
		NuWind,

5	Real- Time(Q) RT-PCR Machine	Applied Biosystems- Thermo Fisher Scientific, Eppendorf AG, Bio-Rad Laboratories, Inc.
6	Automated Nucleic Acid Extraction Centrifuge	Thermo Fisher Scientific
7	Electronic pipettes	Eppendorf AG, Gilson, Thermo Fisher Scientific, Sartorius AG
8	Miscellaneous equipments	Tarsons Products Pvt. Ltd., Axygen Scientific, Sartorius AG, Corning Technologies India Pvt. Ltd.,

SEROLOGY:

S. No.	**Item**	
1.	Freezer -20 X 1	Thermo Fisher Scientific, Crispcold, Blue Star
2.	Freezer -70 X 2	Thermo Fisher Scientific, Celfrost, LaboconInc
3.	ELISA Plate Washer	Lisa Wash(Tulip Diagnostics Pvt. Ltd.), Biotek Instruments (I) Pvt Ltd., Titertek
4.	ELISA Plate Reader	Thermo Scientific, Biotek Instruments (I) Pvt Ltd., Bio-Rad Laboratories Inc., TecanInc
5.	Unichannel& Multichannel Pipettes	Eppendorf AG, Thermo Fisher Scientific, Sartorius AG
6.	Pan electronic weighing balance	MettlerPvt. Ltd., Sartorius AG, Contech India
7.	Miscellaneous equipments	Tarsons Products Pvt. Ltd., Anxgen, Corning Technologies India Pvt. Ltd., Sartorius AG

ADDITIONAL EQUIPMENTS:

S.No.	**Item**	
1.	DNA Sequencer	Applied Biosystems- Thermo Fisher Scientific, Illumina, Inc.
2.	Peptide Synthesizer	Peptide Machines Inc., Biotage AB, Aapptec LLC.
3.	2 D Gel Electrophoresis	Thermo Fisher Scientific, Bio-Rad Laboratories, Inc., Hoefer Inc.
4.	Micro array	Agilent Technologies, Genepix, LabX

5.	Advanced flowcytometry	Thermofisher Scientific, Beckman Coulter, BD Biosciences
6.	Confocal Microscope	Zeiss India, Bruker, Leica
7.	LCMS	Agilent Technologies, Thermo Fisher Scientific, AB Sciex LLC

General Comments: All above equipments are highly specialized machines and required for highly specialized research needs. Regional VRDLs may be asked to justify purchases of these equipments with precise purpose and proposed experiments, if at all any of the labs requires any of these machines. Operation of all these machines will require training and will also require very expensive consumables on regular basis.

INDICATIVE LIST OF EQUIPMENTS FOR STATE LEVEL VIRAL RESEARCH &DIAGNOSTIC LABORATORIES

S.No.	Name of the Equipment	Company
	General and Culture Facilities:	
1.	Biosafety cabinet	ESCO Global, Haier BioMedical, Thermo Fisher Scientific
2.	Laminar air flow	ESCO GLOBAL, Haier BioMedical, Thermo Fisher Scientific
3.	CO2 incubator	NuAire Limited,
4.	Inverted Microscope	Nikon Corporation, Olympus Corporation, Fisher Scientific
5.	Centrifuge-Refrigerated high speed	Hettich India Pvt. Ltd, Eppendorf AG, Sartorius AG, REMI LAB WORLD
6.	Liquid Nitrogen Can – 47L capacity	Marshal Scientific, ThermoForma, Cryocan
7.	Liquid Nitrogen Can – 33L capacity	
8.	Millipore Positive Pressure Filtration	Merck Merck Millipore, Thermo Fisher Scientific, Sartorius AG
9.	Autoclaves (Steam Jacketed & Vertical)	Modis Enterprise Pvt. Ltd., Enclave, Accumax India
10.	Incubator	Nuve, Thermo Fisher Scientific,

11.	Fluorescent Microscope (including with camera attachment)	Nikon Corporation, Olympus Corporation, Fisher Scientific, BioRad Laboratories, Inc.
12.	Miscellaneous equipments	Tarsons Products Pvt. Ltd., Axygen Scientific, Sartorius AG, Corning Technologies India Pvt. Ltd.,
PCR		
1.	Laminar flow vertical 2 feet (recommended instead of PCR Workstation)	ESCO GLOBAL, Haier BioMedical, Thermo Fisher Scientific
2.	Thermocycler	Applied Biosystems- Thermo Fisher Scientific, Eppendorf, Bio-Rad Laboratories, Inc.
3.	Gel electrophoresis & documentation unit	Applied Biosystems- Thermo Fisher Scientific, Bio-Rad Laboratories, Inc., Syngene, Axygen Scientific
4.	Refrigerated Microfuge	Hettich India Pvt. Ltd, Eppendorf AG, NuWind,
5.	RT-PCR Machine	Applied Biosystems- Thermo Fisher Scientific, Eppendorf AG, Bio-Rad Laboratories, Inc.
6.	Sequencing Machine (16 Capillary)	
7.	Automated Nucleic Acid Extraction Centrifuge	Thermo Fisher Scientific
8.	Electronic pipettes + Micropipettes (2X0.5-10ul, 3X10200ul, 2X50-1000, 1X5-100ul)	Eppendorf AG, Gilson, Thermo Fisher Scientific, Sartorius AG
9.	Miscellaneous equipment	Tarsons Products Pvt. Ltd., Axygen Scientific, Sartorius AG, Corning Technologies India Pvt. Ltd.,
Serolo gy:		
1.	Freezer -20 X 1	Thermo Fisher Scientific, Crispcold, Blue Star
2.	Freezer -70 X 2 (with accessories)	Thermo Fisher Scientific, Celfrost,
		LaboconInc

3.	ELISA Plate Washer	Lisa Wash(Tulip Diagnostics Pvt. Ltd.), Biotek Instruments (I) Pvt Ltd., Titertek
4.	ELISA Plate Reader	Thermo Scientific, Biotek Instruments (I) Pvt Ltd., Bio-Rad Laboratories Inc., TecanInc
5.	Unichannel& Multichannel Pipettes (1-20ul X2, 10-200ul X2, 50-1000ul X1 and Multichannel 50-200ul X1)	Eppendorf AG, Thermo Fisher Scientific, Sartorius AG
6.	Pan electronic weighing balance	MettlerPvt. Ltd., Sartorius AG, Contech India
7.	Miscellaneous equipments	Tarsons Products Pvt. Ltd., Axygen Scientific, Corning Technologies India Pvt. Ltd., Sartorius AG
Additi onal Equipments:		
1.	PAGE and 2 D Gel Electrophoresis set up+ gel drier + Semi dry blot for Western Blot *(Newly recommended)*	Thermo Fisher Scientific, Bio-Rad Laboratories, Inc., HoeferInc, Axygen Scientific
2.	**Molecular biology set up**: Shaker incubator + spectrophotometer + spectrofornano drop DNA estimation + 20000rpm refrigerated centrifuge and accessories + Table top refrigerated centrifuge and accessories *(Newly recommended)*	Thermo Fisher Scientific, Bio-Rad Laboratories, Inc., HoeferInc, Axygen Scientific, Hettich India Pvt. Ltd, Eppendorf AG
3.	**Liquid Chromatography set up:** Fraction collector, recorder, columns, peristaltic pump, etc. *(Newly recommended)*	Agilent Technologies, Thermo Fisher Scientific, AB Sciex LLC

INDICATIVE LIST OF EQUIPMENT FOR MEDICAL COLLEGE LEVEL VIRAL RESEARCH & DIAGNOSTIC LABORATORIES

S.No.	Name of the Equipment	Companies
	General and Culture Facilities:	
1.	Biosafety cabinet	ESCO Global, Haier BioMedical, Thermo Fisher Scientific

2.	Centrifuge-Refrigerated high speed	Hettich India Pvt. Ltd, Eppendorf AG, Sartorius AG, REMI LAB
		WORLD
3.	Autoclave	Modis Enterprise Pvt. Ltd., Enclave, Accumax India
4.	Laboratory Incubator	Nuve, Thermo Fisher Scientific,
5.	Label Printer	Brady Worldwide Inc., Epson India, Casio India
6.	Miscellaneous equipments	Tarsons Products Pvt. Ltd., Axygen Scientific, Sartorius AG, Corning Technologies India Pvt. Ltd.,
7.	Laminar air vertical flow 2 feet	ESCO GLOBAL, Haier BioMedical, Thermo Fisher Scientific
8.	pH meter	Thermo Orion, Sartorius AG, Lab India Pvt. Ltd.
9.	Desktop computer with printer (dedicated VRDL Data entry, inventory, e-mail, etc)	Dell India, HP India, LG India
10.	Multifunctional copier/printer/scanner (for office work)	Cannon India, HP India , Epson India, Xerox Inc.
11.	Refrigerator (sample receiving, temporary storage)	Samsung India, LG India, Whirlpool
12.	Microwave Oven (For agarose gels)	Samsung India, LG India, IFB
PCR:		
1.	Laminar flow vertical 2 feet	ESCO, Thermo Scientific, Haier
2.	Thermocycler	Applied Biosystems- Thermo Fisher Scientific, Eppendorf, Bio-Rad Laboratories, Inc.
3.	Gel electrophoresis & documentation unit	Applied Biosystems- Thermo Fisher Scientific, Bio-Rad Laboratories, Inc., Syngene, Axygen Scientific
4.	Refrigerated Microfuge	Hettich India Pvt. Ltd, Eppendorf AG, NuWind,
5.	RT-PCR Machine	Applied Biosystems- Thermo Fisher Scientific, Eppendorf AG, Bio-Rad Laboratories, Inc.

6.	Micropipettes (2x0.5-10ul, 3x10-200ul, 2x50-1000, 1x5100ul) Many micropipettes are required for PCR. These are strongly recommended instead of 4 electronic pipettes.	Eppendorf AG, Gilson, Thermo Fisher Scientific, Sartorius AG
7.	Miscellaneous equipment (eg: Vortex mixer, coolers	Tarsons Products Pvt. Ltd.,
	&quickspin) Amount reduced by 2.0 lakh adjusted in serology section)	AxygenScientific, Sartorius AG, Corning Technologies India Pvt. Ltd.,
Serol ogy:		
1.	Water Bath	Grant, Corning Technologies India Pvt. Ltd., REMI LAB WORLD
2.	Freezer -20	Thermo Fisher Scientific, Crispcold, Blue Star
3.	Freezer -70	Thermo Fisher Scientific, Celfrost, LaboconInc
4.	ELISA Plate Washer	Lisa Wash(Tulip Diagnostics Pvt. Ltd.), Biotek Instruments (I) Pvt Ltd., Titertek
5.	ELISA Plate Reader	Thermo Fisher Scientific, Biotek Instruments (I) Pvt Ltd., Bio-Rad Laboratories Inc., TecanInc
6.	Unichannel& Multichannel Pipettes (1-20ul X2, 10-200ul X2, 50-1000ul X1 and Multichannel 50-200ul X1)	Eppendorf AG, Thermo Fisher Scientific, Sartorius AG
7.	Pan electronic weighing balance	MettlerPvt. Ltd., Sartorius AG, Contech India
8.	Magnetic stirrer	Tarsons Products Pvt. Ltd., Axygen Scientific, Eppendorf AG

APPENDIX-IV

MEMORANDUM OF AGREEMENT (MOA)

Whereas the Government of India, Ministry of Health &Family Welfare, Department of Health Research has formulated a scheme regarding **"Establishment of a network of Laboratories for Managing Epidemics and Natural Calamities"**for implementation during the 12th Plan period; and

whereas under the aforesaid scheme, it has been decided to set up 3-tier labs namely the Regional Labs, State level labs and Medical College labs for research cum action for timely identification of viruses and other agents causing significant morbidity at public health level and specifically agents causing epidemics and/or potential agents for bioterrorism; research for their better management and prevention and

whereas the details of the scheme have been already communicated to State Health Departments and they have expressed their willingness to establish State level/Medical College level labs in selected medical colleges with the financial assistance of Department of Health Research, Ministry of Health and Family Welfare Govt. of India.

Now therefore,

This Agreement is made at _____ this _____ Day of _____ 2013

BETWEEN

The Government of _____, Department of _____(name of the State Government & the Department) (herein referred to as the SG) through its authorized signatory _____

AND

Department of Health Research, Ministry of Health & Family Welfare, Govt. of India (hereinafter referred to as DHR) through its authorized signatory _____ which expression unless repugnant to the context or the meaning hereof shall include its permitted assigns and successors.

Whereas the above mentioned parties having signed the Memorandum of Agreement (hereinafter referred to a **MoA**), which will lay the foundation for cooperation and joint action as follows:

COMMON OBJECTIVES

- Create infrastructure for timely identification of viruses and other agents causing significant morbidity at public health level and specifically agents causing epidemics and/or potential agents for bioterrorism.
- Develop capacity for the identification of novel and unknown viruses and other organisms & emerging-reemerging viral strains and develop diagnostic kits Provide training to health professionals.
- Undertake research for the identification of emerging and newer genetically active/ modified agents.

2. STRATEGIES

i. Establish a network of Viral Research & Diagnostic Laboratories (VRDLs) during the 12th Plan, with associated research program for generating important evidence for quick and effective interventions for various viral infections endemic to the country.

ii. Supplement the activities of the Integrated Disease Surveillance Project (IDSP), coordinated by NCDC, Delhi by carrying out research and development on important viruses.

iii. Develop infrastructure and expertise for diagnosis of viruses with potential to cause outbreaks and/or which are responsible for significant disease burden.

iv. To develop expertise for diagnosis of specific viruses circulating in their geographic area.

3. OBLIGATIONS OF THE DEPARTMENT OF HEALTH RESEARCH (DHR)

a) Provide requisite funds in accordance with the approved parameters of the scheme for the establishment of VRDLs.

b) Exercise overall managerial role for monitoring the project.

4. OBLIGATION OF THE STATE GOVT (SG)

The **SG** agrees to discharge the following responsibilities:

- Allocate a building/space of about. 250-300 sqmt for State Level Lab and approx.. 200-300 sqmtr for Medical College Level Lab), free of cost, in its existing premises for the establishment of the VRDL in consultation with the ICMR.
- Depute a mutually agreed number of its personnel to work in the **VRDL**.
- Depute personnel (including those belonging to the State Health Service) to undergo training/attend workshops at the **VRDL**.
- Share expenditure on the establishment of labs at the State level and at the Medical Colleges between the Central Government and State Governments in the ratio of 75:25 (90:10 in respect of North-Eastern, Hilly States, including Sikkim and J&K).
- Follow the provisions of General Financial Rules for procurement of equipment, audit, review etc in respect of the funds provided under the scheme.
- Furnish the Utilization Certificate to the ICMR as per the provisions of GFRs for the funds provided under the scheme.

- The concerned State Governments will take over the recurring expenditure liability after the period of five years.

5. FURTHER ACTS & ASSURANCE

The above parties agree to execute and deliver all acts as shall be necessary and required to carry out the provisions of this **MoA.**

6. AMENDMENT TO THE AGREEMENT

- The obligations of DHR and State Government have been outlined in this MOA. However, during the operation of the MOA circumstances may arise which may call for alternations or modifications of this agreement. These alterations will be mutually discussed and agreed upon in writing.
- No amendment or change hereof or addition hereto shall be effective or binding on either of the parties hereto unless set forth in writing and executed by the respective duly authorized representative of each of the parties hereto.

7. VALIDITY & TERMINATION

This MOA shall come into effect upon signature of all the parties on the date set forth below and will in force for five years. It may be extended further in its present form or with modifications as may be agreed upon through mutual consent. This MOA can be terminated at any time after the initial project period of five years through mutual consent on three months' notice in writing from either side.

8. INTERPRETATION/MATTERS NOT PROVIDED HEREIN

If any doubt arises as to the interpretation of the provisions of this agreement or as to matters not provided therein, parties to this agreement shall consult with each other for each instance and resolve such doubts in good faith.

Signed on this day……..of ……

1. For and on behalf of the State Government **Authorized Signatory** **Place Dated:** **Witness:……**	**1. For & on behalf of the Government of India, Ministry of Health & Family Welfare, Department of Health Research, New Delhi** **Authorized Signatory,** **Place** **Dated:**

APPENDIX-V

Monitorable Targets of Labs under the scheme of „"Establishment of a network of Laboratories for Managing Epidemics and Natural Calamities" for the 14th Finance Commision.

S.No	Target	Regional Lab	State Lab	Medical College Lab
1.	No of samples/specimens to be tested per year	8000	4000	3000
2.	Capability to identify No of viruses (including those prevalent in the area)	25+capcity to identify uncommon viruses as and when the need arises, specially during outbreaks.	25	25
3.	Quality assurance programme	10% of sample/results to be counter checked by apex labs ; to conduct counter check of 10% sample of state and medical college labs	10% of Result of medical college labs to be verified. Quality assurance of results to be done by superior regional labs	10% of Result of medical college labs to be verified by state level labs.
4.	Training component	Preferably 4 training programmes in a year including two for Scientist, 1 each for state level and medical college level; and one each for technical staff of state level and medical college level. To train life sciences post graduates in virology for scientific as well as technical lab work.	To train 15 to 25 life sciences post graduates for Virology related lab work depending on availability and no of medical colleges in the state.	To train 10 to 15 life sciences post graduates for virology related lab work depending on population covered by the medical college.

5.	Studies/projects to be undertaken	3 studies/projects to be completed during the project period.	2 studies/projects to be completed during the project period	1 Study/project to be completed during the project period
6.	Reporting of results etc.	Regular reporting to be sent to NIE,	Regular reporting to be sent to NIE,	Regular reporting to be sent to NIE,
		Chennai and/ or apex labs regarding no of samples tested, results and types of tests conducted at quarterly intervals	Chennai and regional labs regarding no of samples tested, results and types of tests conducted at quarterly intervals	Chennai and regional and state level labs regarding no of samples tested, results and types of tests conducted at quarterly intervals

APPENDIX VI

GENERAL FINANCIAL RULES 2017
Ministry of Finance
Department of Expenditure

FORM GFR 12C

GFR 12 – C

[(See Rule 239)]

FORM OF UTILIZATION CERTIFICATE (FOR STATE GOVERNMENTS)
(Where expenditure incurred by Govt. bodies only)

Sl. No.	Letter No. and date	Amount	Certified that out of Rs.....Of grants sanctioned during the year.....in favour of .....under the Ministry/Department Letter No. given in the margin and Rs.....on account of unspent balance of the previous year, a sum of Rs.....has been utilized for the propose of .....for which it was sanctioned and that the balance of Rs.....remaining unutilized at the end of the year has been surrendered to Government (vide No. .....dated.....)/will be adjusted towards the grants payable during the next year.....
	Total		

2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/ are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the propose for which it was sanctioned.

Kinds of checks exercised

1.
2.
3.
4.
5.

Signature.....
Designation.....
Date.....

PS: The UC shall disclose separately the actual expenditure incurred and loans and advances given to suppliers of stores and assets, to construction agencies and like in accordance with scheme guidelines and in furtherance to the scheme objectives, which do not constitute expenditure at the stage. These shall be treated as utilized grants but allowed to be carried forward.