

प्रेषक,

शत्रुञ्जय कुमार सिंह,
विशेष सचिव,
उत्तर प्रदेश, शासन।

सेवा में,

- 1-प्रमुख सचिव, चिकित्सा शिक्षा विभाग, उ०प्र० शासन।
- 2-महानिदेशक, चिकित्सा एवं स्वास्थ्य सेवाएं, उ०प्र०, लखनऊ।

चिकित्सा अनुभाग-5

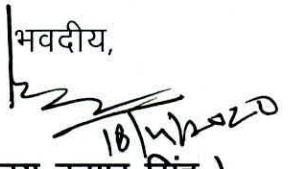
लखनऊ :दिनांक :24 अप्रैल, 2020

विषय:-कोविड-19 जाँच की हेतु प्रयोगशाला की क्षमता बढ़ाये जाने के संबंध में।

महोदय,

उपर्युक्त विषयक सचिव, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार/चेयरमैन, एम्पावर्ड ग्रुप-2 के अर्द्ध शास०पत्र संख्या-7/कोविड/ईजी-2/2020 दिनांक 12.04.2020 (छायाप्रति) तथा उसके साथ संलग्न डा० बलराम भार्गव महानिदेशक, आई०सी०एम०आर० के अर्द्ध शास०पत्र संख्या-ई०सी०डी०/कोविड-19/मिसलीनियस/2020 दिनांक 12.04.2020 की छायाप्रति संलग्न कर प्रेषित करते हुए मुझे यह कहने का निदेश हुआ है कि कृपया कोविड-19 की जाँच हेतु प्रयोगशालाओं की क्षमता बढ़ाये जाने के संबंध में निर्देशानुसार अग्रतर कार्यवाही करने का कष्ट करें।

संलग्नक: यथोपरि।

भवदीय,

(शत्रुञ्जय कुमार सिंह)
विशेष सचिव।

संख्या-886(1)/पाँच-5-2020 तद्दिनांक

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित:-

1. निदेशक, संचारी रोग, उ०प्र० लखनऊ।
2. गार्ड बुक।

आज्ञा से,

(वेद प्रकाश राय)
अनु सचिव।

Regarding Scaling up Testing for COVID-19**From :** secy-moef <secy-moef@nic.in>

Mon, Apr 13, 2020 11:15 AM

Subject : Regarding Scaling up Testing for COVID-19

1 attachment

To : cs-ap <cs@ap.gov.in>, cs-arunachal@nic.in, Kumar Sanjay Krishna IAS <cs-assam@nic.in>, Chief Secretary Bihar <cs-bihar@nic.in>, Chief Secretary Office <csoffice.cg@gov.in>, Chief Secretary <cs-goaa@nic.in>, chiefsecretary@gujarat.gov.in, Keshni Anand Arora <cs@hry.nic.in>, Shri Anil Kumar Khachi <cs-hp@nic.in>, cs-jandk <cs-jandk@nic.in>, bharatbhushanvyasias@gmail.com, Shri Sukhdev Singh <cs-jharkhand@nic.in>, cs@karnataka.gov.in, officeofcs@gmail.com, Chief Secretary, Government of Kerala <chiefsecy@kerala.gov.in>, cs <cs@mp.nic.in>, chiefsecretary@maharashtra.gov.in, cs-manipur <cs-manipur@nic.in>, cso-meg <cso-meg@nic.in>, cs miz <cs_miz@redifmail.com>, Chief Secretary Nagaland <csnagl@nic.in>, Chief Secretary Odisha <csori@nic.in>, Chief Secretary, Punjab <cs@punjabmail.gov.in>, csraj@rajasthan.gov.in, Prakash <cs-skm@nic.in>, cs@tn.gov.in, tnstateeoc@gmail.com, Chief Secretary <cs@telangana.gov.in>, cs-tripura <cs-tripura@nic.in>, CHIEF SECRETARY GoUP <csup@nic.in>, chief secretary <cs-uttarakhand@nic.in>, cs-westbengal <cs-westbengal@nic.in>, Chief Secretary Andamans <cs-andaman@nic.in>, Manoj Parida <adviser-chd@nic.in>, Administrator DD & DNH <administrator-dd-dnh@nic.in>, Shri Vijay Kumar Dev <csdelhi@nic.in>, Farooq Khan <lk-admin@nic.in>, Chief Secretary CS, Puducherry <cs.pon@nic.in>

Sir,

As directed by Secretary, MoEF&CC, Govt of India and Chairman, Empowered Group-2, kindly find attached a scanned copy of letter written by him to all Chief Secretaries/all Administrators of States/UTs on the subject cited above.

Regards

PPS to Secretary

C.K. Mishra
Secretary
M/o Environment, Forest & Climate Change
Tel.No.24695262/24695265
Fax No.24695270



Lr to CSs regarding scaling up testing.pdf
3 MB

संख्या- 886/पांच-5-2020

No. 3088 /MS/GI/2020

संख्या 2675(अ) /पीएसएमओएच/2020

1- ME
2- Commandant
3-



सचिव
भारत सरकार
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
SECRETARY
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

सी.के.मिश्रा
C.K.Mishra

D.O.07/COVID/EG-2/2020

12th April 2020

Dear Chief Secretary / Administrator,

I write to you as Chairman of the Empowered Group-2.

Let me express my gratitude to all of you for having worked really hard to ensure that we scale up testing. One of the critical factors in this exercise of scaling up is increasing the number of testing laboratories, which we are continuously doing. The effort is to use every possible resource to collectively ensure that we are able to reach out. If we want to be successful in this effort, we will have to ensure that every laboratory is used to its full capacity.

You would appreciate that if we want to use the capacity of the lab round-the-clock, we will need additional manpower. ICMR has worked out the requirement of State-wise additional manpower that needs to be made available to run these laboratories round-the-clock. I do appreciate that this is a daunting task, but, given the current situation that we are in, we have no option and we have to rise to the occasion to face this challenge.

Such manpower and resources will be available in Medical Colleges, etc. Many public labs that are co-located in Medical Colleges and Research Institutes, can redeploy technical lab staff from other departments for COVID-19 testing. These can be trained internally and deployed quickly. Apart from this, you may also like to consider getting the services of trained personnel who may have retired.

I am enclosing the letter from Secretary, DHR / DG, ICMR along with the list of the required manpower and a list of such laboratories, which are operational across the States. I would suggest that we pick up each of these laboratories, assess the gap and then put them to full capacity.

I seek your support in trying to explore every possible source of such manpower and attach them to these laboratories so that we can get the best results out of them.

Yours sincerely

(C.K. Mishra)

Encl: As above

To (वी० हेकाली डि:मोमी)
सचिव
चिकित्सा स्वास्थ्य एवं परिवार कल्याण विभाग
उ०प्र० शासन

30/7/5/MS/20
VS/GS
15/4/20
849/VS/GS/20
DSC(P)/50-5 With regards.
(दिनेश चन्द्र काण्डपाल)
निजी सचिव,
विशेष सचिव,
चिकित्सा स्वास्थ्य एवं
परिवार कल्याण विभाग
उत्तर प्रदेश शासन।

Chief Secretaries of all States/Administrators of all UTs



सत्यमेव जयते

प्रोफेसर (डा.) बलराम भार्गव, पदम श्री

एम.डी., डी.एम., एफ.आर.सी.पी (जी.), एफ.आर.सी.पी (ई.), एफ.ए.सी.सी.,
एफ.ए.एच.ए., एफ.ए.एम.एस., एफ.एन.ए.एस., एफ.ए.एस.सी., एफ.एन.ए., डी.एस.सी.

सचिव, भारत सरकार

स्वास्थ्य अनुसंधान विभाग
स्वास्थ्य एवं परिवार कल्याण मंत्रालय एवं
महानिदेशक, आई सी एम आर

Prof. (Dr.) Balram Bhargava, Padma Shri

MD, DM, FRCP (Glasg.), FRCP (Edin.),
FACC, FAHA, FAMS, FNAsc, FAsc, FNA, DSc

Secretary to the Government of India

Department of Health Research
Ministry of Health & Family Welfare &
Director-General, ICMR



icmr
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भारतीय आयुर्विज्ञान अनुसंधान परिषद

स्वास्थ्य अनुसंधान विभाग

स्वास्थ्य एवं परिवार कल्याण मंत्रालय

भारत सरकार

वी. रामलिंगस्वामी भवन, अंसारी नगर
नई दिल्ली - 110 029

Indian Council of Medical Research

Department of Health Research
Ministry of Health & Family Welfare
Government of India

V. Ramalingaswami Bhawan, Ansari Nagar
New Delhi - 110 029

D.O. No.ECD/COVID-19/Misc./2020

Dated: 12th April 2020

Dear Sir,

This is with reference to scaling up laboratory capacity for COVID-19 testing within the operational network of Government laboratories.

As mentioned in a recent meeting held at PMO, additional manpower needs to be placed within the existing laboratories (N=150) to operationalize them on a 24 X 7 basis.

The estimated manpower requirements have been worked out by ICMR. Assuming manual RNA extraction procedure followed by all laboratories, the estimated total staff requirement for the network of 150 labs will be 3248 people. The calculated shortfall of staff in all categories is 1918 people. This includes 150 Lab in-charges (senior Microbiologists); 226 Lab supervisors (scientists / Microbiologists); 1257 Lab Technicians and 285 Data entry operators. Detailed breakup of the shortfall in each category of staff is depicted in Table 1 of the enclosed document.

List of operational Government laboratories is also included in the enclosed document.

I request you to kindly direct the concerned States to deploy additional staff within the functioning COVID-19 testing Government laboratories, for making them operational round the clock. Kindly note that the additional staff should be deployed as per the projected requirements in each category.

With kind regards,

Yours sincerely,

Balram Bhargava
(Balram Bhargava)

Shri Amarjeet Sinha,

Advisor to Hon'ble Prime Minister of India
South Block,
New Delhi.

Enclosed as above

Copy to:

1. Dr. Shrikar K. Pardeshi, IAS, Joint Secretary, PMO, South Block, New Delhi.
2. Shri C.K. Mishra, Secretary, Ministry of Environment, Forest & Climate Change
3. Principal Secretaries (Health) – All States

Manpower Requirement for Labs engaged in COVID-Testing

The testing capacity of public labs will need to be enhanced as the number of cases increase and strategy for testing changes. There is a need to optimize the utilization of the existing installed base of manual RT-PCR platforms through multiple shifts across labs. In order to run multiple shifts, trained manpower in adequate numbers needs to be deployed across all labs.

In order to ramp up utilization of existing manual RT-PCR machines and run tests in labs for 24 hrs daily, 3248 personnel (estimated) are required across all current public sector labs. It is estimated that there may be a **deficit of 1918 (~60%)** in the as is scenario of primarily manual RT-PCR based testing. **The number of deficit personnel need to be identified and deployed at relevant labs and necessary training & logistics arrangements need to be made for them.**

Based on discussions with a sample of public labs, the following is the **estimated requirement & deficit in manpower** across labs.

<i>For 151 public labs</i>		Total Manpower Requirement	Manpower Deficit (Estimated)
Personnel Required	Per Shift/Lab	24 hrs (A)	Assuming Manual RNA Extraction
Lab In-charge/Owner	1	302	150
Shift Supervisor/Shift	1	453	226
Lab Technicians/Shift	4	2040	1257
DEO/Shift	1	453	285
Total	7 to 10	3248	1918

Table 1

*For every 2nd manual RT-PCR instrument, two more technicians are required in every shift
Lab technicians are deputed to dirty or clean room, and work simultaneously to modularize components of testing process and increase efficiency*

A lab in-charge is assumed for every 12 hours

Requirement is based on manual RT-PCR capacity including 29 labs with automated RNA extraction capabilities

**Current estimated HR is equivalent to one shift for 151 labs*

Key Measures

- As manual RNA extraction processes take up a large portion of lab technician time, automated RNA extraction platforms and associated kits can be provided to more labs undertaking manual RNA extraction
- Many public labs that are co-located in medical colleges and research institutes, can redeploy technical lab staff from other departments for COVID-19 testing. These can be trained internally and deployed quickly.
- For data entry operators, many labs have started deploying the CSC personnel allotted to them.

Annexures

A. State wise Total Manpower Requirement in 24-hour shift scenario for Government Labs

State	Lab In-charge	Shift Supervisor	Lab Technician	Data Entry Operator	Total
Maharashtra	34	51	243	51	379
Tamil Nadu	24	36	156	36	252
Uttar Pradesh	24	36	147	36	243
Karnataka	22	33	138	33	226
Kerala	20	30	135	30	215
Gujarat	14	21	132	21	188
Rajasthan	16	24	129	24	193
West Bengal	12	18	84	18	132
Telangana	12	18	81	18	129
Andhra Pradesh	12	18	78	18	126
Delhi	14	21	75	21	131
Madhya Pradesh	12	18	75	18	123
Bihar	10	15	63	15	103
Odisha	8	12	60	12	92
Assam	10	15	60	15	100
Jammu and Kashmir	8	12	54	12	86
Jharkhand	6	9	42	9	66
Uttarakhand	4	6	36	6	52
Punjab	6	9	36	9	60
Himachal Pradesh	4	6	30	6	46
Chhattisgarh	4	6	30	6	46
Manipur	4	6	24	6	40
Haryana	4	6	21	6	37
Chandigarh	4	6	18	6	34
Andaman & Nicobar Islands	2	3	18	3	26
Mizoram	2	3	18	3	26
Goa	2	3	12	3	20
Dadra & Nagar Haveli	2	3	12	3	20
Meghalaya	2	3	12	3	20
Puducherry	2	3	12	3	20
Tripura	2	3	9	3	17
Grand Total	302	453	2040	453	3248

*Data entry operators are being provided through CSCs

**INDIAN COUNCIL OF MEDICAL RESEARCH
DEPARTMENT OF HEALTH RESEARCH**

Date: 11/04/2020

Total Operational (initiated independent testing) Government Laboratories reporting to ICMR 151 + 3 collection sites:

S. No.	Names of States	Names of Medical Colleges
1.	Andhra Pradesh (6)	1. Sri Venkateswara Institute of Medical Sciences, Tirupati 2. Rangaraya Medical College, Kakinada 3. Sidhartha Medical College, Vijaywada 4. Govt. Medical College, Ananthpur 5. Guntur Medical College, Guntur 6. Rajiv Gandhi Institute of Medical Sciences, Kadapa
2.	Assam (5)	7. Gauhati Medical College, Guwahati 8. Regional Medical Research Center, Dibrugarh 9. Jorhat Medical College, Jorhat 10. Silchar Medical College, Silchar 11. Fakhruddin Ali Ahmed Medical College, Barpeta
3.	Bihar (5)	12. Rajendra Memorial Research Institute of Medical Sciences, Patna 13. Indira Gandhi Institute Medical Sciences, Patna 14. Patna Medical College, Patna 15. Darbhanga Medical College, Darbhanga 16. SKMCH, Muzaffarpur
4.	Chandigarh (2)	17. Post Graduate Institute of Medical Education & Research, Chandigarh 18. Govt. Medical College, Chandigarh
5.	Chhattisgarh (2)	19. All India Institute of Medical Sciences, Raipur 20. Late Baliram Kashyap M Govt. Medical College, Jagdalpur
6.	Delhi (7)	21. All India Institute Medical Sciences 22. Lady Hardinge Medical College 23. National Centre for Disease Control 24. Ram Manohar Lohia Hospital 25. Institute of Liver & Biliary Sciences 26. Army Hospital Research & Referral 27. Maulana Azad Medical College
7.	Gujarat (7)	28. BJ Medical College, Ahmedabad 29. MP Shah Govt Medical College, Jamnagar 30. Govt. Medical College, Surat 31. Govt. Medical College, Bhavnagar 32. Govt. Medical College, Vadodara 33. Govt. Medical College, Rajkot 34. NHL Medical College, Ahmedabad
8.	Goa (1)	35. Goa Medical College, Goa
9.	Haryana (2)	36. Pt. B.D. Sharma Post Graduate Inst. Of Med. Sciences, Rohtak, Haryana 37. BPS Govt. Medical College, Sonapat
10.	Himachal Pradesh (2)	38. Indira Gandhi Medical College, Shimla 39. Dr. Rajendra Prasad Govt. Medical College, Tanda

S. No.	Names of States	Names of Medical Colleges
11.	Jammu & Kashmir (4)	40. Govt. Medical College, Jammu 41. Command Hospital (NC) Udhampur 42. Sher-i-Kashmir Institute of Medical Sciences, Srinagar 43. Govt. Medical College, Srinagar
12.	Jharkhand (3)	44. MGM Medical College & Hospital, Jamshedpur 45. Rajendra Institute of Medical Sciences, Ranchi 46. Patliputra Medical College & Hospital, Dhanbad
13.	Karnataka (11)	47. Hassan Inst. Of Med. Sciences, Hassan 48. Mysore Medical College & Research Institute, Mysore 49. Shivamogga Institute of Medical Sciences, Shivamogga 50. Command Hospital (Air Force), Bengaluru 51. Bangalore Medical College & Research Institute, Bengaluru 52. National Institute of Virology, Bangalore Field Unit, Bengaluru 53. Gulbarga Institute of Medical Sciences, Gulbarga 54. Vijaynagar Institute of Medical Sciences, Bellary 55. National Institute of Mental Health and Neuro-Sciences, Bangalore 56. Wenlock District Hospital, Mangalore 57. Karnataka Institute of Medical Sciences, Hubli
14.	Kerala (10)	58. National Institute of Virology, Field Unit, Allapuzha 59. Govt. Medical College, Thiruvananthapuram 60. Govt. Medical College, Kozhikode 61. Govt. Medical College, Thrissur 62. Rajiv Gandhi Center for Biotechnology, Thiruvananthapuram 63. Sree Chitra Tirunal Institute of Medical Sciences, Thiruvananthapuram 64. State Public Health Laboratory, Trivandrum 65. Inter University, Kottayam 66. Malabar Cancer Center, Thalassery 67. Central University of Kerala, Periyar, Kasaragod
15.	Maharashtra (17)	68. National Institute of Virology, Pune 69. Seth GS Medical College & KEM Hospital, Mumbai 70. Kasturba Hospital for Infectious Diseases, Mumbai 71. National Institute of Virology Field Unit, Mumbai 72. Armed Forces Medical College, Pune 73. BJ Medical College, Pune 74. Indira Gandhi Govt. Medical College, Nagpur 75. Grant Medical College & Sir JJ Hospital, Mumbai 76. Govt. Medical College, Aurangabad 77. V. M. Government Medical College, Solapur 78. Haffkine Institute, Mumbai 79. Shree Bhausaheb Hire Govt. Medical College, Dhule 80. Government Medical College, Miraj 81. All India Institute of Medical Sciences, Nagpur 82. Nagpur Veterinary College, MAFSU, Nagpur 83. *Tata Memorial Centre ACTREC, Mumbai

S. No.	Names of States	Names of Medical Colleges
		84. Govt. Medical College, Akola
16.	Madhya Pradesh (6)	85. All India Institute of Medical Sciences, Bhopal 86. National Institute for Research on Tribal Health, Jabalpur 87. Mahatma Gandhi Memorial Medical College, Indore 88. Gandhi Medical College, Bhopal 89. Bhopal Memorial Hospital & research Centre, Bhopal 90. Gajra Raja Medical College, Gwalior
17.	Manipur (2)	91. Jawaharal Nehru Institute of Med. Sciences, Imphal-East, Manipur 92. Regional Institute of Medical Sciences, Imphal
18.	Meghalaya (1)	93. North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences, Shillong, Meghalaya
19.	Mizoram (1)	94. Zoram Medical College
20.	Odisha (4)	95. Regional Medical Research Centre, Bhubaneswar 96. All India Institute of Medical Sciences, Bhubaneswar 97. SCB Medical College and Hospital, Cuttack 98. MKCG Medical College, Berhampur
21.	Puducherry (1)	99. Jawaharal Institute of Postgraduate Medical Education & Research, Puducherry
22.	Punjab (3)	100. Govt. Medical College, Amritsar 101. Govt. Medical College, Patiala 102. Guru Gobind Singh Medical University, Faridkot
23.	Rajasthan (8)	103. Sawai Man Singh Medical College, Jaipur 104. Dr. Sampurnan and Medical College, Jodhpur 105. Jhalawar Medical College, Jhalawar 106. RNT Medical College, Udaipur 107. SP Medical College, Bikaner 108. All India Institute of Medical Sciences, Jodhpur 109. JLN Medical College, Ajmer 110. Govt. Medical College, Kota
24.	Tamil Nadu (12)	111. King Institute of Preventive Medicine & Research, Chennai 112. Madras Medical College, Chennai 113. Govt. Theni Medical College, Theni 114. Tirunelveli Medical College, Tirunelveli 115. Govt. Medical College, Thiruvavur 116. Kumar Mangalam Govt. Medical College, Salem 117. Coimbatore Medical College, Coimbatore 118. Govt. Medical College, Villupuram 119. Madurai Medical College, Madurai 120. K A P Viswanatham Govt. Medical College, Trichy 121. Perundurai Medical College, Perundurai 122. Govt. Dharmapuri Medical College, Dharmapuri
25.	Telangana (6)	123. Gandhi Medical College, Secunderabad 124. Osmania Medical College, Hyderabad 125. Sir Ronald Ross of Tropical & Communicable Diseases, Hyderabad. 126. Nizam's Institute of Medical Sciences, Hyderabad

S. No.	Names of States	Names of Medical Colleges
		127. Institute of Preventive Medicine, Hyderabad 128. Centre for Cellular & Molecular Biology, Hyderabad
26.	Tripura (1)	129. Government Medical College, Agartala
27.	Uttar Pradesh (12)	130. King George Medical University, Lucknow 131. Institute of Medical Sciences, Banaras Hindu University, Varanasi 132. Jawaharal Nehru Medical College, Aligarh 133. Command Hospital, Lucknow 134. Lala Lajpat Rai Memorial Medical College, Meerut 135. Sanjay Gandhi Post Graduate Institute, Lucknow 136. MLN Medical College, Allahabad 137. Uttar Pradesh University of Medical Sciences (Formerly Uttar Pradesh RIMS), Saifai 138. MLB Medical College, Jhansi 139. Regional Medical Research Centre, Gorakhpur 140. SN Medical College, Agra 141. RML Hospital, Lucknow
28.	Uttarakhand (2)	142. Govt. Medical College, Haldwani 143. All India Institute of Medical Sciences, Rishikesh
29.	West Bengal (6)	144. National Institute of Cholera & Enteric Diseases, Kolkata 145. Institute of Post Graduate Medical Education & Research, Kolkata 146. Midnapore Medical College, Midnapore 147. North Bengal Medical College, Darjeeling 148. School of Tropical Medicine, Kolkata 149. Malda Medical College & Hospital, Malda
30.	Andaman & Nicobar Islands (1)	150. Regional Medical Research Centre, Port Blair
31.	Dadra & Nagar Haveli (1)	151. Shri Vonoba Bhave Civil Hospital, Silvassa
Collection sites only		
31.	Sikkim (1)	152. Sir Thunob Namgyal Memorial (STNM), Gangtok
32.	Ladakh (1)	153. Sonam Norboo Memorial Hospital (SNMH), Leh
33.	Arunachal Pradesh (1)	154. Tomo Riba Institute of Health & Medical Sciences (TRIHMS), Naharlagun

*CSIR/DBT/DST/DAE/ICAR/DRDO Labs. No support is sought from ICMR/ State Govt.