

**List of International Collaborative Research Projects Approved by HMSC during meeting held on 24<sup>th</sup> April, 2020 (through VC)**

S. No.	Details of the Project	
1.	Scapulo humeral reflex : A clinico radiological Co relation for diagnosing high cervical myelopathy :a prospective study	
	<p><b>Principal Investigator</b></p> <p>Dr. Shrijith M B</p> <p>Fellow All India Institute of Medical Sciences (AIIMS), New Delhi-110029</p>	<p><b>Funded by</b></p> <p>AOspine Asia Pacific, Hong Kong</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 3,65,000</p> <p><b>Duration:</b> 12 Months</p> <p><b>Subject area:</b> Neurosurgery</p>
2.	Limiting Adverse Birth Outcomes in Resource-Limited Settings - The LABOR Study	
	<p><b>Principal Investigator</b></p> <p>Dr. Mrutyunjaya Basavanneppa Bellad</p> <p>Professor J.N.Medical College, Belgaum-590010, Karnataka</p>	<p><b>Funded by</b></p> <p>Bill &amp; Melinda Gates Foundation, USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 10,43,48,413</p> <p><b>Duration:</b> 36 Months</p> <p><b>Subject area:</b> Maternal Health</p>

S. No.	Details of the Project	
3.	Study of nasopharyngeal pneumococcal carriage in Indian children and long term effects of pneumococcal conjugate vaccine on NP carriage	
	<p><b>Principal Investigator</b></p> <p>Dr. Ashish Ramesh Bavdekar</p> <p>Associate Professor K E M Hospital Research Centre, Pune-411011, Maharashtra</p>	<p><b>Funded by</b></p> <p>Bill &amp; Melinda Gates Foundation, USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 2,43,33,791</p> <p><b>Duration:</b> 36 Months</p> <p><b>Subject area:</b> Child Health</p>
	Approved with condition.	
4.	Exploring the genomic and environmental basis of childhood stunting in India	
	<p><b>Principal Investigator</b></p> <p>Dr. Srilakshmi M Raj</p> <p>Research Associate Centre for Human Genetics, Bangalore- 560100, Karnataka</p>	<p><b>Funded by</b></p> <p>Cornell University, USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 15,16,193</p> <p><b>Duration:</b> 36 Months</p> <p><b>Subject area:</b> Genomics</p>

S. No.	Details of the Project	
5.	Epidemiology and determinant of outcomes of hospital acquired Blood Stream Infections in the intensive care. (EUROBACT II)	
	<p><b>Principal Investigator</b></p> <p>Dr. Carol Shayne D'silva</p> <p>Assistant Professor St John's National Academy of Health Sciences, Bangalore-560034, Karnataka</p>	<p><b>Funded by</b></p> <p>European Society of Critical Care Medicine, Belgium</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Not requested</p> <p><b>Duration:</b> 3 Months</p> <p><b>Subject area:</b> Infectious Diseases</p>
	Approved with condition.	
6.	May Measurement Month 2020 (MMM20)	
	<p><b>Principal Investigator</b></p> <p>Dr. Dorairaj Prabhakaran</p> <p>Executive Director Centre for Chronic Disease Control, New Delhi-110016</p>	<p><b>Funded by</b></p> <p>International Society of Hypertension, UK</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Not requested</p> <p><b>Duration:</b> 12 Months</p> <p><b>Subject area:</b> Cardiovascular Diseases</p>
	Approved with condition.	

S. No.	Details of the Project	
7.	Identification of monogenic defects in Indian children with early-onset autoimmune cytopenia	
	<p><b>Principal Investigator</b></p> <p>Dr. Vignesh P</p> <p>Assistant Professor Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh-160012</p>	<p><b>Funded by</b></p> <p>Jeffrey Modell Foundation, USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 34,19, 610</p> <p><b>Duration:</b> 24 Months</p> <p><b>Subject area:</b> Immunology</p>
8.	India Reverses Diabetes 2	
	<p><b>Principal Investigator</b></p> <p>Dr. Chetan Chidanand Purad</p> <p>Professor Piramal Swasthya Management and Research Institute, Hyderabad-500073, Telangana</p>	<p><b>Funded by</b></p> <p>Joep Lange Institute, The Netherlands</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Not requested</p> <p><b>Duration:</b> 6 Months</p> <p><b>Subject area:</b> m-Health/Chronic diseases</p>
	Approved with condition.	

S. No.	Details of the Project	
9.	Missed Opportunities for Vaccine Equity (MOVE): Increasing childhood vaccination through hospital-based catch-up immunization	
	<p><b>Principal Investigator</b></p> <p>Dr. Joseph L Mathew</p> <p>Professor Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh-160012</p>	<p><b>Funded by</b></p> <p>Johns Hopkins University, USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 16,80,000</p> <p><b>Duration:</b> 14 Months</p> <p><b>Subject area:</b> Child Health</p>
10.	A randomized trial of 6 months intensified anti-tuberculosis and 2 months anti-inflammatory for HIV-infected and HIV-uninfected African and Asian children with tuberculous meningitis	
	<p><b>Principal Investigator</b></p> <p>Dr Varinder Singh</p> <p>Professor and Head Lady Hardinge Medical College, New Delhi-110001</p>	<p><b>Funded by</b></p> <p>Medical Research Council (MRC), UK</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 2,90,70,270</p> <p><b>Duration:</b> 48 Months</p> <p><b>Subject area:</b> Tuberculosis</p>
	Approved with conditions.	

S. No.	Details of the Project	
11.	Trauma Related Acute Respiratory Distress Syndrome (ARDS) in India: Current Incidence and Management Strategies	
	<p><b>Principal Investigator</b></p> <p>Dr. Deepak Agrawal</p> <p>Professor All India Institute of Medical Sciences (AIIMS), New Delhi-110029</p>	<p><b>Funded by</b></p> <p>Michigan Center for Global Surgery, USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 10,50,000</p> <p><b>Duration:</b> 24 Months</p> <p><b>Subject area:</b> Trauma Respiratory</p>
12.	Consequence of Respiratory Syncytial Virus (RSV) Infection in Young Infants	
	<p><b>Principal Investigator</b></p> <p>Dr. Ashish Ramesh Bavdekar</p> <p>Professor K E M Hospital Research Centre, Pune-411011, Maharashtra</p>	<p><b>Funded by</b></p> <p>National Institute for Health Research, UK</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 41,30,184</p> <p><b>Duration:</b> 18 Months</p> <p><b>Subject area:</b> Infectious Diseases</p>

S. No.	Details of the Project	
13.	Prevention of Epilepsy by reducing Neonatal Encephalopathy (PREVENT) study	
	<p><b>Principal Investigator</b></p> <p>Dr. Ravi Shankar Swamy</p> <p>Director Perinatal Trials Unit Foundation, Bangalore-560067, Karnataka</p>	<p><b>Funded by</b></p> <p>National Institute for Health Research, UK</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 17,34,11,960</p> <p><b>Duration:</b> 48 Months</p> <p><b>Subject area:</b> Maternal Health</p>
14.	Establishing TB portal of Mycobacterium tuberculosis patients from tertiary care hospital in Southern India-Year 1	
	<p><b>Principal Investigator</b></p> <p>Dr. Mahadev Rao</p> <p>Professor &amp; Head Manipal College of Pharmaceutical Sciences (MCOPS), Manipal-576104, Karnataka</p>	<p><b>Funded by</b></p> <p>National Institutes of Health (NIH), USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 2,14,39,110</p> <p><b>Duration:</b> 36 Months</p> <p><b>Subject area:</b> Genomics</p>
	Approved with conditions.	

S. No.	Details of the Project	
15.	MVA Prime/Novel Trimeric Cyclically Permuted Envelope Protein Boost Vaccines for HIV	
	<p><b>Principal Investigator</b></p> <p>Dr. Raghavan Varadarajan</p> <p>Professor Indian Institute of Sciences, Bangalore-560012, Karnataka</p>	<p><b>Funded by</b></p> <p>National Institutes of Health (NIH), USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 2,49,50,000</p> <p><b>Duration:</b> 48 Months</p> <p><b>Subject area:</b> HIV/AIDS/ STD</p>
	Approved with conditions.	
16.	Health Status and Hormone Use among Adult Transgender Women with or without HIV	
	<p><b>Principal Investigator</b></p> <p>Mrs. Shruta Amit Rawat</p> <p>Research Manager The Humsafar Trust, Mumbai- 400055, Maharashtra</p>	<p><b>Funded by</b></p> <p>National Institutes of Health (NIH), USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 24,06,240</p> <p><b>Duration:</b> 12 Months</p> <p><b>Subject area:</b> HIV/AIDS/ STD</p>
	Approved with conditions.	

S. No.	Details of the Project	
17.	Hybrid trial for Alcohol reduction among people with TB and HIV in India - HATHI	
	<p><b>Principal Investigator</b></p> <p>Prof. Shashikala Anant Sangle</p> <p>Professor and Head B J Medical College, Pune-411001, Maharashtra</p>	<p><b>Funded by</b></p> <p>National Institutes of Health (NIH), USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 4,21,24,988</p> <p><b>Duration:</b> 60 Months</p> <p><b>Subject area:</b> Social &amp; Behavioural Research</p>
	Approved with conditions.	
18.	Effectiveness of training health workers in providing brief intervention to males with hazardous drinking and assessment of depression in their spouses in rural south India	
	<p><b>Principal Investigator</b></p> <p>Dr. Divya Hegde</p> <p>Assistant Professor St John's Medical College and Hospital, Bangalore-560034, Karnataka</p>	<p><b>Funded by</b></p> <p>National Institutes of Health (NIH), USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 1,02,240</p> <p><b>Duration:</b> 12 Months</p> <p><b>Subject area:</b> Mental Health</p>

S. No.	Details of the Project	
19.	Fungal virulence factors during corneal infections	
	<p><b>Principal Investigator</b></p> <p>Prof. Dharmalingam Kuppamuthu</p> <p>Director Aravind Medical Research Foundation (AMRF), Madurai- 625020, Tamil Nadu</p>	<p><b>Funded by</b></p> <p>National Institutes of Health (NIH), USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 17,28,000</p> <p><b>Duration:</b> 24 Months</p> <p><b>Subject area:</b> Mycology</p>
20.	Molecular determinants and function of axonal actin assemblies	
	<p><b>Principal Investigator</b></p> <p>Prof. Sandhya Padmanabhan Koushika</p> <p>Associate Professor Tata Institute of Fundamental Research, Mumbai-400005, Maharashtra</p>	<p><b>Funded by</b></p> <p>National Institutes of Health (NIH), USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 13,40,000</p> <p><b>Duration:</b> 60 Months</p> <p><b>Subject area:</b> Neurosciences</p>

S. No.	Details of the Project	
21.	The Natural History and Pathogenesis of Human Fungal Infections	
	<p><b>Principal Investigator</b></p> <p>Dr. Anup K Ghosh</p> <p>Additional Professor Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh-160012</p>	<p><b>Funded by</b></p> <p>National Institutes of Health (NIH), USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Not requested</p> <p><b>Duration:</b> 21 Months</p> <p><b>Subject area:</b> Mycology</p>
	Approved with condition.	
22.	Tuberculosis (TB) Aftermath	
	<p><b>Principal Investigator</b></p> <p>Dr. Madhusudan Barthwal</p> <p>Professor and Head Dr DY Patil Medical College, Pune-411018, Maharashtra</p>	<p><b>Funded by</b></p> <p>National Institutes of Health (NIH), USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 4,19,61,798</p> <p><b>Duration:</b> 60 Months</p> <p><b>Subject area:</b> Tuberculosis</p>
	Approved with condition.	

S. No.	Details of the Project	
23.	Tissue remodelling and fibrostenosis in Crohn's disease (TRAFIC)– a study of molecular signals and biomarkers. Tissue remodelling and fibrostenosis in Crohn's disease (TRAFIC)	
	<p><b>Principal Investigator</b></p> <p>Dr. Rangarajan Kasturi</p> <p>Consultant Narayana Hrudayalaya Hospitals, Bangalore-560099, Karnataka</p>	<p><b>Funded by</b></p> <p>NIHR Birmingham Biomedical Research Centre (NIHR BRC), UK</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Nil</p> <p><b>Duration:</b> 48 Months</p> <p><b>Subject area:</b> Gastroenterology</p>
	Approved only for Narayana Hrudayalaya Hospital, Bangalore with conditions.	
24.	Stop Transmission of Leprosy- PEP++ Project	
	<p><b>Principal Investigator</b></p> <p>Dr. Jugal Kishore</p> <p>Professor and Head Vardhaman Mahavir Medical College &amp; Safdarjung Hospital, New Delhi-110029</p>	<p><b>Funded by</b></p> <p>NLR, The Netherlands</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 7,85,76,800</p> <p><b>Duration:</b> 44 Months</p> <p><b>Subject area:</b> Leprosy</p>
	Approved with suggestion.	

S. No.	Details of the Project	
25.	India 13. Strengthen and standardise the National Hemophilia Referral and Training Centres in India	
	<p><b>Principal Investigator</b></p> <p>Prof. Tulika Seth</p> <p>Professor All India Institute of Medical Sciences (AIIMS), New Delhi-110029</p>	<p><b>Funded by</b></p> <p>Novo Nordisk Hemophilia Foundation (NNHF), Denmark</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 4,03,13,835</p> <p><b>Duration:</b> 24 Months</p> <p><b>Subject area:</b> Haematology</p>
	Approved with condition.	
26.	Phase III IGRT and SBRT vs IGRT and Hypofractionated IMRT for localized intermediate risk prostate cancer	
	<p><b>Principal Investigator</b></p> <p>Dr. Rahul Krishnatty</p> <p>Associate Professor Tata Memorial Hospital, Mumbai-410210, Maharashtra</p>	<p><b>Funded by</b></p> <p>NRG Oncology , USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 84,73,434</p> <p><b>Duration:</b> 60 Months</p> <p><b>Subject area:</b> Oncology</p>
	Approved with condition.	

S. No.	Details of the Project	
27.	Performance evaluation of cobas MTB-RIF/INH assay in Treated sputum samples to meet the Regulatory requirements of seeking import license	
	<p><b>Principal Investigator</b></p> <p>Dr. Sanghamitra Pati</p> <p>Scientist G (Director) ICMR-Regional Medical Research Centre (ICMR-RMRC), Bhubaneswar-751023, Orissa</p>	<p><b>Funded by</b></p> <p>Roche Diagnostic, Switzerland</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Nil</p> <p><b>Duration:</b> 6 Months</p> <p><b>Subject area:</b> Tuberculosis</p>
	Approved. In view of the deadline of foreign funding agency and expiry of test kits by January, 2020, Chairperson HMSC approved the study on 24 <sup>th</sup> January, 2020. The Committee endorsed the decision.	
28.	Performance evaluation of cobas MTB assay in Treated sputum samples to meet the Regulatory requirements of seeking import license	
	<p><b>Principal Investigator</b></p> <p>Dr. Sanghamitra Pati</p> <p>Scientist G (Director) ICMR-Regional Medical Research Centre (ICMR-RMRC), Bhubaneswar-751023, Orissa</p>	<p><b>Funded by</b></p> <p>Roche Diagnostic, Switzerland</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Nil</p> <p><b>Duration:</b> 6 Months</p> <p><b>Subject area:</b> Tuberculosis</p>
	Approved. In view of the deadline of the foreign funding agency and expiry of test kits by January, 2020, Chairman HMSC approved the study on 24 <sup>th</sup> , January 2020. The Committee endorsed the decision.	

S. No.	Details of the Project	
29.	Abdominal Tuberculosis In Children- Pattern And Treatment Outcomes	
	<p><b>Principal Investigator</b></p> <p>Dr. Vishal Michael</p> <p>Senior Resident Christian Medical College, Ludhiana-141008, Punjab</p>	<p><b>Funded by</b></p> <p>University of Birmingham, UK</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 12,45,000</p> <p><b>Duration:</b> 24 Months</p> <p><b>Subject area:</b> Tuberculosis</p>
	Approved with condition.	
30.	Clinical Outcomes of patients with High-Risk Clinically–Localized Prostate Cancer Treated in the Modern Era	
	<p><b>Principal Investigator</b></p> <p>Dr. Vedang Murthy</p> <p>Professor Tata Memorial Centre, Mumbai-410210, Maharashtra</p>	<p><b>Funded by</b></p> <p>University of California, USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Not requested</p> <p><b>Duration:</b> 12 Months</p> <p><b>Subject area:</b> Oncology</p>

S. No.	Details of the Project	
31.	The CRANE feasibility study (a mixed method study of malnutrition and sustainable nutritional intervention for patients undergoing cancer surgery in low- and middle-income countries) WP3	
	<p><b>Principal Investigator</b></p> <p>Dr. Dhruva Nath Ghosh</p> <p>Professor Christian Medical College, Ludhiana-141008, Punjab</p>	<p><b>Funded by</b></p> <p>University of Edinburgh, UK</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 59,36,778</p> <p><b>Duration:</b> 24 Months</p> <p><b>Subject area:</b> Oncology</p>
	Approved with suggestion.	
32.	Periodontal Treatment and Pregnancy Outcomes: Correcting Bias in Clinical Trials	
	<p><b>Principal Investigator</b></p> <p>Dr. Fouzia Tarannum</p> <p>Assistant Professor M. R. Ambedkar Dental College and hospital, Bangaluru- 560005, Karnataka</p>	<p><b>Funded by</b></p> <p>University of South Carolina, USA</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Nil</p> <p><b>Duration:</b> 24 Months</p> <p><b>Subject area:</b> Reproductive Health</p>
	Approved with condition.	

S. No.	Details of the Project	
33.	Re-analysis of TB recurrence data to assess the added value of WGS in differentiating relapses from re-infection	
	<p><b>Principal Investigator</b></p> <p>Dr. Siva Kumar Shanmugam</p> <p>Scientist C ICMR-National Institute for Research in Tuberculosis (ICMR-NIRT), Chennai-600031, Tamil Nadu</p>	<p><b>Funded by</b></p> <p>University of Sydney, Australia</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 7,00,000</p> <p><b>Duration:</b> 12 Months</p> <p><b>Subject area:</b> Tuberculosis</p>
34.	Vaccine Impact on Cognition and Schooling: A pilot study in India	
	<p><b>Principal Investigator</b></p> <p>Dr. Rajeev Seth</p> <p>Managing Trustee Bal Umang Drishya Sanstha(BUDS), New Delhi-110016</p>	<p><b>Funded by</b></p> <p>Value of Vaccines Research Network and Harvard School of Public Health and Bill and Melinda Gates Foundation</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 14,20,200</p> <p><b>Duration:</b> 6 Months</p> <p><b>Subject area:</b> Child Health</p>
	<p>Approved. Due to the deadline of foreign funding agency to release the funds, Chairman, HMSC approved the study on 3<sup>rd</sup> March, 2020. The Committee endorsed the decision.</p>	

S. No.	Details of the Project	
35.	Feasibility Of Using Computer Aided Screening Tool For Detecting Abnormal Chest X Ray In Mobile Medical Units Under National Tb Prevalence Survey In India	
	<p><b>Principal Investigator</b></p> <p>Dr. Srikanth Prasad Tripathy</p> <p>Director ICMR-National Institute for Research in Tuberculosis (ICMR-NIRT), Chennai-600031, Tamil Nadu</p>	<p><b>Funded by</b></p> <p>WITS CAD, South Africa</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Nil</p> <p><b>Duration:</b> 8 Months</p> <p><b>Subject area:</b> Artificial Intelligence</p>
	Approved. In view of the urgency of deploying AI tools in survey buses, proposal was approved by Chairman, HMSC on 3 <sup>rd</sup> March, 2020. The Committee endorsed the decision.	
36.	An international randomised trial of additional treatments for COVID-19 in hospitalised patients who are all receiving the local standard of care	
	<p><b>Principal Investigator</b></p> <p>Dr. Sheela Virendra Godbole</p> <p>Scientist F ICMR-National AIDS Research Institute (ICMR-NARI), Pune-411026, Maharashtra</p>	<p><b>Funded by</b></p> <p>World Health Organization</p> <p><b>Date of approval:</b> April 24, 2020</p> <p><b>Total budget:</b> Rs. 4,04,00,000</p> <p><b>Duration:</b> 9 Months</p> <p><b>Subject area:</b> COVID 19</p>
	Approved. The proposal on COVID-19 is being considered as part of Public Health Emergency. Therefore, Chairman, HMSC granted expedited approval to the proposal on 22 <sup>nd</sup> April, 2020 considering the urgency & deadline by WHO to initiate it urgently. The Committee endorsed the decision.	