



An Overview
of
International Collaborative Projects
in
Biomedical Research



INDIAN COUNCIL OF MEDICAL RESEARCH

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The data compiled in the document corresponds to international collaborative projects approved by HMSC during January, 2000 to December, 2007.

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Conceptualization, Design & Layout

Mukesh Kumar, Harpreet Sandhu, Mrityunjai Kumar, Mahesh Kumar

Production Controller

J.N. Mathur, ICMR, New Delhi

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Naresh Dayal

Health & FW Secretary
Tel.: 23061863 Fax : 23061252
e-mail : secyfw@nb.nic.in
ndayal@nic.in



भारत सरकार
स्वास्थ्य एवं परिवार कल्याण मंत्रालय
निर्माण भवन, नई दिल्ली - 110011
Government of India
Ministry of Health & Family Welfare
Nirman Bhavan, New Delhi - 110011



Dated the 6th December, 2007

Message

I am pleased to know that Indian Council of Medical Research (ICMR) has made an effort to publish a document on international collaborative projects approved by Health Ministry's Screening Committee (HMSC) during the years 2000 to 2007.

Successive Health Secretaries in the Ministry have chaired the HMSC, when these projects were approved. There had been no mechanism of monitoring their progress or knowing the results of collaborative projects till it was decided to have periodic review meetings on the progress of these projects. This document provides a succinct summary of all collaborative projects undertaken during last eight years time.

On behalf of the Ministry of Health and Family Welfare, I welcome and appreciate the efforts put in by the International Health Division of the ICMR, and laud the efforts put in by all the people who were involved in the bringing out of this document.

(Naresh Dayal)

Secretary to the Government of India

आचार्य एन. के. गांगुली
महानिदेशक

Prof. N.K.Ganguly

MD, D.Sc(hc), FRC Path. (London), FAMS, FNA, FASC, FNAsc
FTWAS (Italy), FIACS (Canada), FIMSA
Director General



भारतीय आयुर्विज्ञान अनुसंधान परिषद

वी. रामलिंगस्वामी भवन, अंसारी नगर,
पोस्ट बॉक्स 4911, नई दिल्ली - 110 029

Indian Council of Medical Research

V. Ramalingaswami Bhawan, Ansari nagar,
Post Box 4911, New Delhi - 110 029



Dated the 5th November 2007

Message

It gives me immense pleasure to share the ICMR document highlighting international collaborative projects approved by Health Ministry's Screening Committee (HMSC) during the years 2000 to 2007.

In an era of fast changing biomedical research scenario, it is critical that the scientific community and policy makers are kept fully apprised of the developments taking place in these areas to ensure that the new knowledge generated out of collaborative projects benefit them.

I hope that the document will also be referred to by the researchers while developing study proposals in the area of their interest. This document is an effort to compile the international collaborative projects undertaken by the Indian scientists during the last eight years. We acknowledge the help rendered by various investigators and experts in the creation of this document and hope that it's contents will help the budding scientists in their endeavors to procure funds for research.

I congratulate all those involved with the development of this reference document and thank them for their untiring efforts.

N. K. Ganguly

(Prof N K Ganguly)

Director General

डॉ. एस. के. भट्टाचार्य
एम डी. एफ एन ए
अपर महानिदेशक

Dr. S.K. Bhattacharya
MD, FNA
Addl. Director-General



भारतीय आयुर्विज्ञान अनुसंधान परिषद
वी. रामलिंगस्वामी भवन, अंसारी नगर,
नई दिल्ली - 110 029

Indian Council of Medical Research
V. Ramalingaswami Bhawan, Ansari Nagar,
New Delhi - 110 029



Dated the 27th December 2007

Preface

I am pleased to share with you that International Health Division, ICMR is publishing a document on international collaborative research projects approved by Health Ministry's Screening Committee (HMSC) during last eight years.

This document is an attempt to create an evidence base to enable policy makers in decision making. Lack of any such compiled information has been reflected time and again. The document is also a synopsis of ICMR's existing partnership with other countries / agencies around the globe for strengthening ongoing collaborative efforts. I sincerely hope that this document would help the researchers and pave the way to create an extensive as well as accurate evidence base.

I congratulate everyone associated with this effort and hope that it helps policy makers for a more strategic planning.

(Dr. S.K. Bhattacharya)

Additional Director General

Acknowledgement

We take this opportunity to thank Shri J. V. R. Prasada Rao and Shri Prasanna Hota, former Secretaries (Health), Ministry of Health & Family Welfare (MOHFW) & Chairpersons, Health Ministry's Screening Committee (HMSC) and the members of HMSC for their valuable observations and recommendations. Our deep gratitude is extended to Prof. N. K. Ganguly, former Director-General, Indian Council of Medical Research (ICMR) & Alternate Chairman (HMSC) for his continued support and guidance during the finalization of this document.

We gratefully acknowledge the valuable contribution of all the members of the Project Review Committee chaired by Prof. R.C. Mahajan, Adviser, Epidemiology & Communicable Diseases (ECD), for their valuable suggestions, recommendations for the need and utility of a document on international collaborative projects duly approved by HMSC.

We are thankful to Shri P. D. Seth, the former Financial Adviser, ICMR for allocating funds for the project without which the task of making this document would not have been possible. We are grateful to Dr. S. C. Sehgal, former Chief, IHD (during August, 2000 to March, 2005) and Dr. Lalit Kant, Head, IHD (during April, 2005 to December 2007) for their continuous guidance during various stages of this activity.

The untiring efforts of the subject experts, reviewers, principal investigators, co-investigators and researchers are also acknowledged. We are grateful to the Chiefs of the various Technical, Administration and Finance Divisions of the ICMR who have been involved during the processing and evaluation stages of various international collaborative projects in different research areas prior to the consideration by HMSC.

We are thankful to all the eminent scientists involved at various stages during the preparation of this document for their valuable suggestions and inputs.

Our sincere thanks and deep gratitude is extended to all the people whose vision and kind help has culminated in bringing out this document successfully.

Investigators

Dr. Mukesh Kumar

Deputy Director General,
International Health Division,
ICMR Hqrs, New Delhi

Dr. Harpreet Sandhu

Senior Research Officer,
International Health Division,
ICMR Hqrs, New Delhi

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An Introduction to the Document

The Health Ministry's Screening Committee (HMSC) is a high level committee constituted by the Ministry of Health and Family Welfare (MOHFW), Govt. of India, to consider and approve international research proposals in biomedical sciences for collaboration with foreign institutions and/or assistance from foreign funding agencies. Indian Council of Medical Research (ICMR) acts as the technical arm and is the Secretariat for this Committee. HMSC is also responsible to monitor the progress of such projects and assess the suitability of research results for inclusion in various national health programmes and policies.

There is no laid down procedure to report the progress made under the international collaborative projects to the HMSC, which is a lacuna, especially during consideration of the projects to avoid the duplication of research work, as also to address the future policy bearings and prioritize key areas of scientific enquiry and research. To overcome this deficiency, a mechanism was needed to be established through better liaison with Principal Investigators (PIs) and funding agencies. Accordingly, it was suggested by the HMSC during the meetings held on February 28, 2004 and April 20, 2004 to prepare a document on the international collaborative research proposals submitted and approved by HMSC alongwith the status of such ongoing projects.

Subsequent to the directions of the Health Ministry's Screening Committee to monitor the progress of international collaborative projects undertaken during the last five years, International Health Division(IHD) formulated an ad-hoc project, duly approved by a Project Review Committee in May, 2004.

Title of the project

"Development of an ICMR document on international collaborative projects approved by Health Ministry's Screening Committee (HMSC)".

Aims & Objectives

- To develop a document indicating the international biomedical collaborative projects submitted to Health Ministry's Screening Committee (HMSC).
- To organize workshops to assess the progress / outcome of approved projects during the last five years.

Duration of research project

Three years (2004-2007)

Investigators

Dr. Mukesh Kumar, Deputy Director General, IHD, ICMR

Dr. Harpreet Sandhu, Senior Research Officer, IHD, ICMR

Project staff

Dr. Vineeta Singh, Research Scientist-II (worked w.e.f. September, 2004 to September, 2006)

Dr. Mrityunjai Kumar, Research Scientist-I (worked w.e.f. September, 2006 to June, 2007)

Mr. Mahesh Kumar, Programmer (worked w.e.f. August, 2004 to June, 2007)

The activities related to this project are highlighted in the document.

Overview on ICMR

Indian Council of Medical Research (ICMR) set up as the Indian Research Fund Association in 1911, has evolved over the years in line with changing health research needs, effectively addressing the new challenges that have emerged. Today, it is the premier national agency for the formulation, promotion and conduct of biomedical research in India. The current strategy has close interaction with health systems, including disease control programmes, which is supported by the continued exploitation of scientific and technological advances from basic to applied research, from biomedical to health sciences and from laboratory to field research.

The Council has consolidated and intensified its research on important communicable and non-communicable diseases, reproductive health and nutrition, traditional medicine and upcoming fields of bioinformatics and communication. The research priorities of the Council are in line with the national health policy and priorities. It works very closely with the national programmes which have well defined targets for control, elimination and eradication of various diseases.

ICMR has adopted a twin track approach to meet its objectives; intramural (through Institutes totally funded by ICMR) and extramural research (through grants-in-aid given to projects in non-ICMR Institutions). The permanent Institutes are mission-oriented laboratories located in different parts of India (**Fig 1**). They address research on specific health topics of relevance to the country, such as tuberculosis, leprosy, cholera/diarrhoeal diseases, viral diseases, AIDS, malaria, kala-azar, vector control, nutrition, food and drug toxicology, reproductive health, immunohaematology, oncology, epidemiology, bio-statistics, occupational health etc. The Regional Medical Research Centres (RMRCs) focus especially on regional health problems and also aim to strengthen and generate research capabilities in different geographic and less well served areas of the country. Extramural research is promoted by ICMR basically to strengthen the biomedical expertise outside the Council, especially in Medical Colleges and the University systems. This is a very important contribution of the Council in developing and fostering a culture of research in academia which is achieved through grants-in-aid given to researchers in non-ICMR Institutes/Medical Colleges/Universities etc., and by setting up of Centres of Advanced Research and Task Force Studies.

ICMR's Human Resource Development (HRD) plan is focused on formulating policies, procedures and partnerships to ensure the scientific competitiveness of ICMR. Skilled and talented people are undoubtedly the most important resources for the delivery of high quality science and its translation for the public's health. That is why training and career development are central to ICMR's mission. ICMR is an equal opportunity employer and practices affirmative

action. Human resource development in biomedical research is encouraged by ICMR through various schemes such as Research fellowships, Short-Term Research Studentship (STS) and various training programmes and workshops conducted by ICMR Institutes and Headquarters. An International Fellowship Programme, recently initiated by ICMR is an excellent platform for capacity building in the state of the art technologies for Indian research scientists. ICMR also offers research training to scientists belonging to developing countries in various Indian Institutes/ laboratories of excellence. The Council offers the position of Emeritus Scientist to retired medical scientists and teachers. The Council awards prizes to Indian scientists (young as well as established ones), in recognition of their significant contributions made in various fields of biomedical research.

ICMR is an important component of research system in the country and the need of the hour is to scale up and strengthen the public health infrastructure. In the era of globalization, international collaborations can be an effective measure for the better understanding and development of new scientific technologies, innovation, capability and technology transfer. ICMR has been taking proactive role in developing these collaborations in the emerging areas of drug and vaccine development, genomics, disease surveillance and molecular epidemiology. Several national and bilateral agreements between India and other Institutes/Countries have been signed in the areas of mutual interest.

The Mission of ICMR is to promote better health in India through research. It provides stewardship, conducts and supports health research, generates knowledge and ensures its utilization. Moreover, ICMR develops resources for health research in areas of national public health importance. ICMR is working towards the strengthening and streamlining of the needs and efforts of biomedical community.

In September 2007, a new Department of Health Research (DHR) was set up with the Ministry of Health & Family Welfare, Government of India in order to build upon & effectively utilize the research capacity and capabilities to engage in effective health systems research, conduct research into social determinants of health and develop technologies and products that would respond to national health priorities. ICMR is one of the ten allocations of business of DHR.



Launch of Department of Health Research (DHR),
Ministry of Health & Family Welfare, Government of India
New Delhi, October 5, 2007



ICMR Annual Day Oratorion by
Dr. Elias A Zerhouni, Director, National Institutes of Health, USA
New Delhi, October 5, 2007

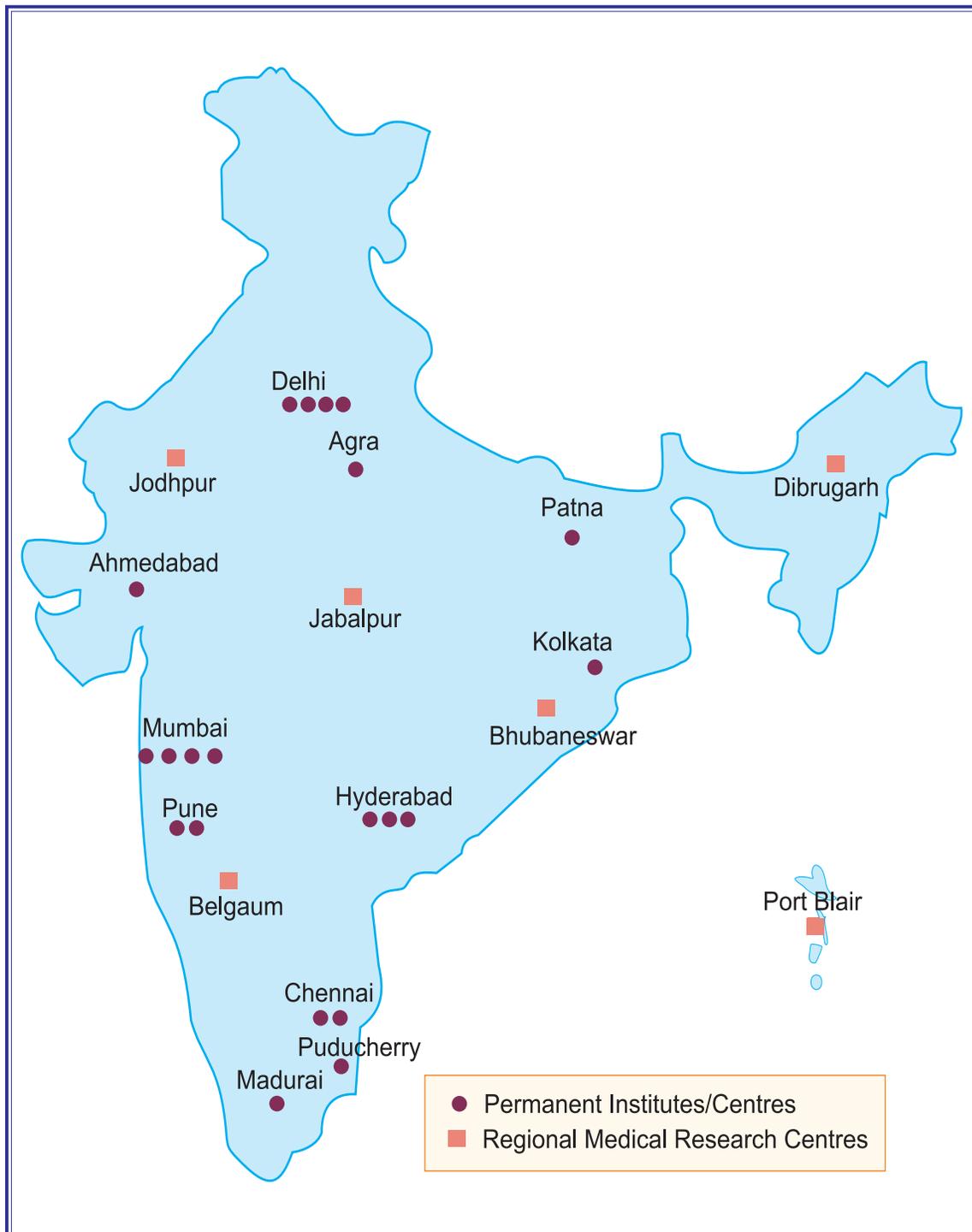


Fig. 1. ICMR Institutional Network

International Health Division: Profile of Activities

An Indo-Foreign Cell (IFC) was set up in Indian Council of Medical Research in early 1980s to coordinate collaboration in biomedical/health research between India and other countries/international agencies. The IFC was upgraded to the International Health Division (IHD) in the year 2000.

2.1 International Collaboration & Partnerships

The International collaborations are sought under bilateral, multilateral or regional framework modes for facilitating and strengthening interactions among governments, academia, institutions and industries in the areas of mutual interest. Currently, India has several bilateral Science & Technology(S&T) cooperation agreements with other countries to facilitate cooperation in the areas of biomedical research between India and foreign countries. ICMR operates in close cooperation with the Indian Ministry of Health & Family Welfare, Ministry of External Affairs, Indian missions abroad and foreign missions in India for the international collaborations.

By and large, biomedical research / health sciences prominently figures in all bilateral agreements in the field of Science & Technology. In addition, there are few specific agreements signed by the Ministry of Health and Family Welfare with other countries as well as those signed directly by ICMR with International organizations/ Institutions. The Memoranda of Understanding (MoU)/ Joint statements signed between ICMR and various collaborating global bodies are as outlined below.

- An **Indo-German** programme has been running in pursuance of Indo-FRG Agreement on Science & Technology signed in January/March, 1974 and subsequently under ICMR-GSF (now taken over by DLR, BMBF), Special Arrangement for cooperation in biomedical sciences signed in January/February, 1976. The ICMR- GSF cooperation was renewed in May, 1990 and further strengthened by signing of an addendum in November, 2005. The areas of cooperation under this agreement cover infectious diseases including AIDS, oncology, family planning and reproduction with special emphasis on birth control, health for mother and child, prenatal medicine, research on scientific basis of traditional medicine with emphasis on composition and pharmacological properties of natural products, environmental toxicology, drug development related to tropical diseases/infectious diseases, bioethics and other biomedical research aspects related to human health.
- An **ICMR - INSERM**, France MoU has been in place in pursuance of Indo-French Science & Technology Agreement signed in July, 1978. The ICMR-INSERM MoU was signed in February, 1989 and renewed in January, 2000 for cooperation in various areas of

biomedical research and health sciences. The areas of collaboration are infectious diseases (tuberculosis, HIV/AIDS, malaria, leishmaniasis), human genetics/genomics, neurosciences and surveillance/epidemiology using modern techniques, stem cell research, pharmacogenetics, genetics of cancer, polymorphism, viral hepatitis, leptospirosis, epidemiological data base, development of surveillance tools like registries and genetic susceptibility of infectious diseases. Newly added areas are bioethics and clinical research. Further areas of cooperation which are of mutual interest are added from time to time during the Joint Working Group meetings.

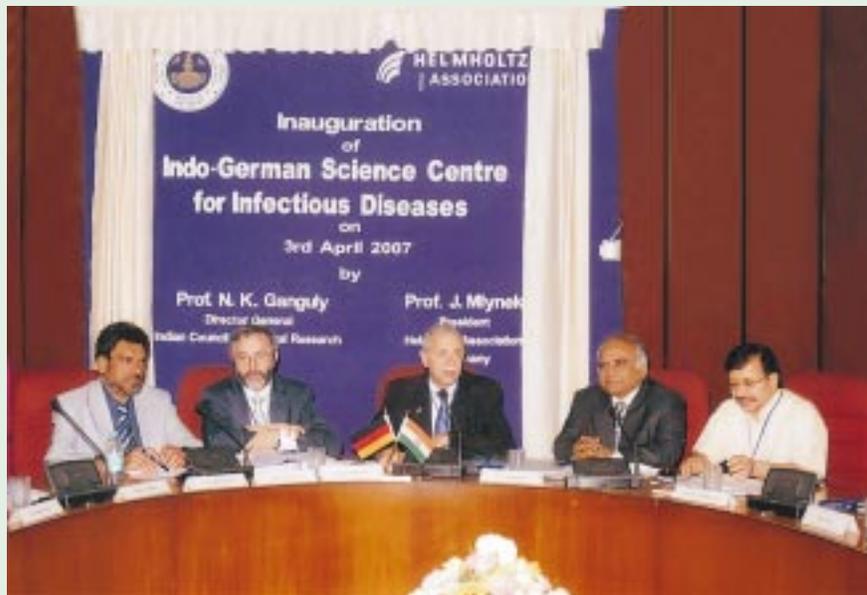
- A Memorandum of Understanding was signed between **ICMR and Canadian Institutes of Health Research**, Canada for cooperation in the field of biomedical sciences at New Delhi in January, 2005 wherein areas such as lifestyle diseases, public health & disease surveillance were identified for collaboration.
- An **Indo-US Joint Statement** on Emerging and Re-emerging Infections and Disease Surveillance was signed in June, 2005 (and further expanded in November, 2005) and other three Joint Statements on HIV/AIDS, Maternal & Child Health and Human Development & Research and Environment & Occupational Health were signed in June, 2006 by the Hon'ble Minister for Health and Family Welfare, Govt. of India during his visit to USA.

Various activities have been initiated under these joint statements. During the last five year's period, several workshops on topics of mutual interest have been organised and about 40 collaborative research projects have been funded by ICMR under these Joint Statements. The collaboration has fruitfully led to publication of several research papers as well as transfer of technology and infrastructure strengthening of Indian research institutes. The cooperation is reviewed through annual Joint Working Group meetings organized in India and USA.

- An MoU between **ICMR and Helmholtz Association (HGF)**, Germany for cooperation in Medical Research was signed in April, 2006 at Hannover, Germany during the visit by Hon'ble Prime Minister of India to Germany. ICMR and Helmholtz Association are distinguished research organizations in their home countries with outstanding scientific resources and technical facilities at their disposal. The areas of interest which have been identified for cooperation are infectious diseases, oncology & biomedical research related to health. Under this MoU, a virtual Indo-German Science Centre for Infectious Diseases (IG-SCID) was inaugurated in April, 2007 which is located at the Council's Headquarters and slated to promote research in identified areas of infectious diseases through joint Indian and German funding. The organization of joint workshops, exchange of scientists/ researchers and execution of twinning projects are the modes of cooperation. Five areas of collaborative priority namely Genetic susceptibility, Vaccines & anti-infectives, Viral diseases (HIV/HCV), Animal models of infectious diseases and Zoonoses have been identified under this programme.



An MoU between ICMR & Helmholtz Association (HGF), Germany
Hannover, Germany, April 24, 2006



Inauguration of
Indo-German (ICMR-HGF) Science Centre for Infectious Diseases (IG-SCID)
New Delhi, April 3, 2007

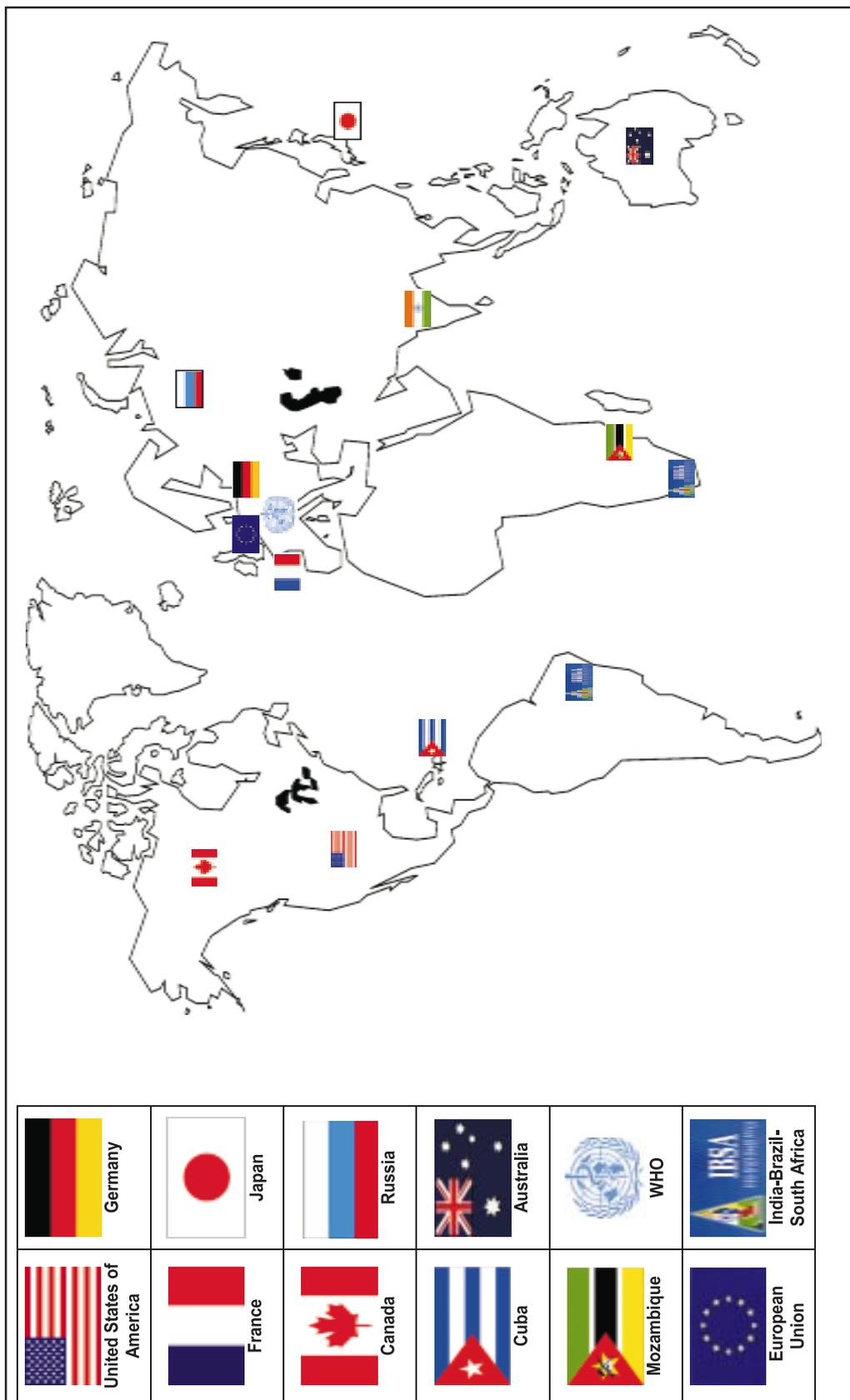


Fig. 2. Collaboration of ICMR with different countries in biomedical research

- An MoU between **ICMR and University of Minnesota**, USA was signed in October, 2006 for the development and expansion of research, medical education and clinical programmes in the areas of medicine and public health. The purpose of this collaboration is to build upon the synergy of expertise on both sides for promotion and conduct of research. The initial research efforts will develop around areas such as field epidemiology, cardiovascular medicine, cancer, infectious diseases, immunology, metabolic diseases, obesity, diabetes and public health initiatives.
- In November, 2006, an MoU between **ICMR and International Clinical Epidemiology Network (INCLIN) Trust International**, Executive Office, New Delhi was signed to collaborate in the areas of health research and capacity building. These efforts would enhance the capabilities of Indian research institutions and enthuse faculty to take up collaborative research activities and projects. This collaboration is dedicated towards improving the health of disadvantaged populations by promoting equitable health care through networking by conducting collaborative interdisciplinary research on high priority health problems and by training future generation of leaders in health care research.
- A letter of intent for collaboration between **ICMR and Boston University**, USA was signed in October, 2007 as a follow up of visit by the President, Boston University and his team to India in September, 2007. This cooperation is likely to enhance the collaboration between the two institutions in the identified areas of emerging infectious diseases and public health training. The collaboration in research and application in other areas of mutual interest in emerging infectious diseases and public health education has additional common interest and synergistic capacity under the proposed MOU. Both sides have also shown interest in developing a clinical trials network, basic and applied cancer research and cardio-vascular disease as well as risk factors such as diabetes, obesity and genetics including the linkage of population based research.
- An MoU between **ICMR and University of California Los Angeles (UCLA)**, USA was signed in October / November, 2007 for collaboration in the areas like education and training programmes in clinical translational research; basic and fundamental health related sciences including immunology, virology, molecular biology, genetics, stem cell, nanotechnology; communicable diseases including HIV /AIDS, tuberculosis, hepatitis, STD, respiratory, diarrhoeal diseases; non-communicable diseases including cancer, CVD, auto-immune diseases, diabetes, neuro-degenerative diseases; social behavioural sciences related to drug abuse, obesity, disease prevention, patient and family care; public health sciences including epidemiology, biostatistics, health services, environmental and community health, public policy and law; international health / economic issues related to health as well as information technology applications for health education and care.

- An MOU between **ICMR & The George Institute for International Health & University of Sydney (Faculty of Medicine)**, Australia was signed in November, 2007 in Hyderabad. The areas of cooperation initially covered under the MoU are in public health and clinical aspects of chronic diseases, HIV / AIDS, road traffic injuries and health systems. Other areas of mutual interest may be explored subsequently.

*The purpose of these agreements & Memoranda of Understanding (MoU) has been for exchange of scientific information; exchange of scientists/technicians; joint execution of scientific projects including support in the procurement of scientific equipments and organization of joint scientific meetings, seminars, workshops and symposia in identified areas of cooperation. Some of the ICMR's collaborating countries/agencies are depicted in **Fig.2**.*

2.2 Guidance for International Collaboration

Rapid advances in science and technology have brought in new technologies to understand the disease process and find strategies for its prevention and cure. A need is felt that researchers working in the core health sectors like diagnostics, vaccines, new drug targets, genomics, epidemiology and surveillance should be exposed to the latest advancements in knowledge and also interact with international scientists in their respective field of work. Hence scientific research and technology development can be greatly benefited through international cooperation and collaboration. Common goals can be effectively addressed by pooling of both national and international resources.

The guidance for international collaboration could be of assistance to the young researchers during the preparation of a research grant application. While nothing can substitute the individual efforts made by a researcher to develop an innovative idea and methodology supported by credible scientific evidence into a sound research proposal, we nevertheless hope that some of the suggestions made as below will help in avoiding certain errors often made by applicants and will enable them to submit an application for international collaboration with the best chances of being successful in today's highly competitive world of research.

Applications for research projects involving foreign assistance and/or collaboration in biomedical / health research are to be submitted by the Indian investigators to ICMR for approval of Govt. of India through Health Ministry's Screening Committee (HMSC). The International Health Division of ICMR acts as the Secretariat for HMSC. The projects are peer reviewed by the concerned Technical Divisions at ICMR and then placed before the HMSC for consideration. The outline for decision making process and concerned processing of international collaborative projects are depicted in **Fig 3**.

The procedures / instructions as well as application format vary from country to country and from agency to agency. The prescribed format of the concerned agency/country is to be used. In absence of prescribed format, proposals can be prepared using ICMR format.

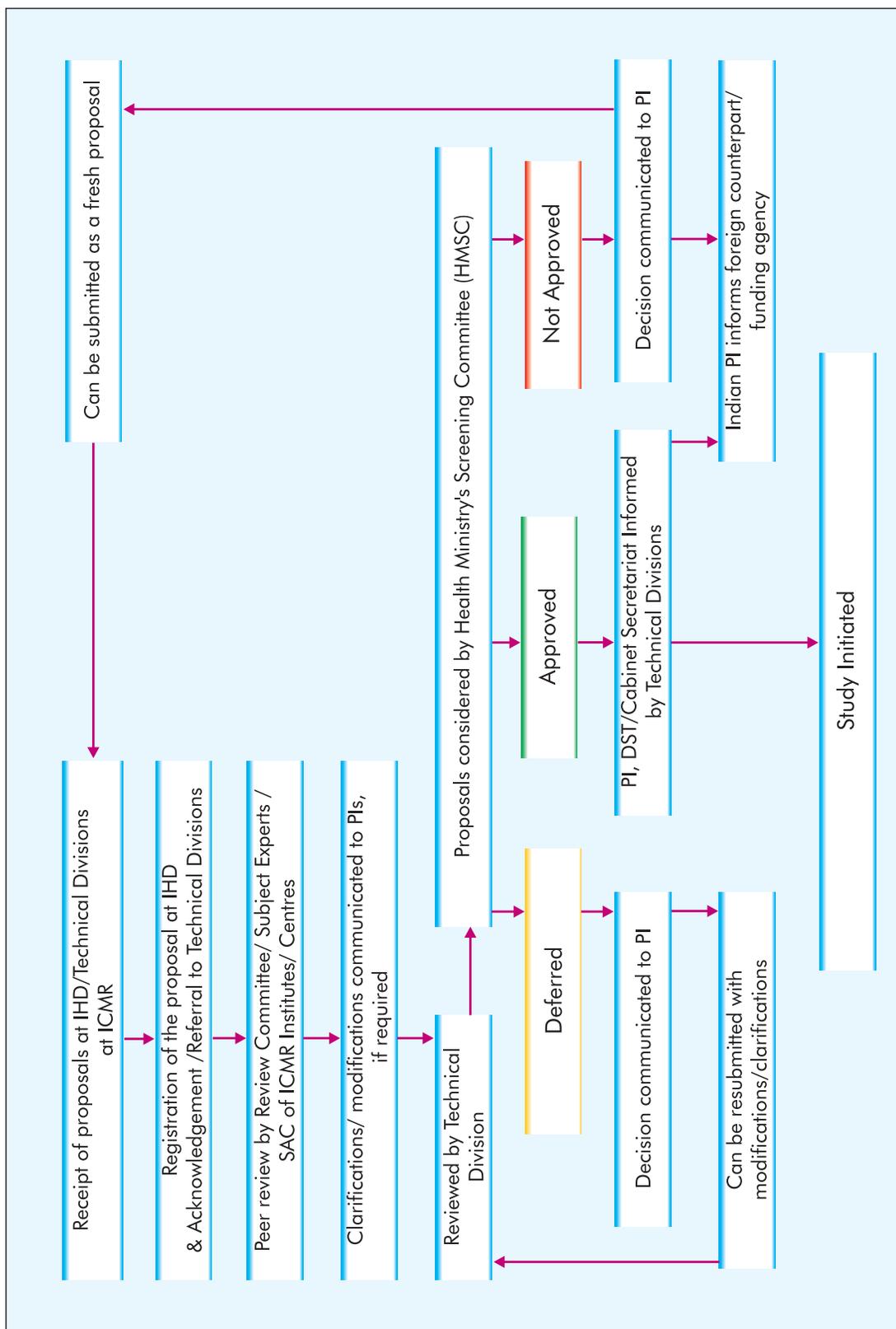


Fig. 3. Flow chart outlining the procedures followed in review of international collaborative projects

Although the guidance/format for international collaborative research in biomedical sciences is available on ICMR website, yet too many applicants skim over these guidelines before plunging in. As a result, they face unnecessary problems during the review procedures. However, some key areas which could be of help are discussed in the guidance for international collaboration available at ICMR website <http://www.icmr.nic.in>

Some of the important review criteria for international collaborative projects

1. Relevance of research work to India's national health priorities.
2. Technical strengths and merits of research proposal.
3. Soundness of proposed research methodologies.
4. Role /Status/Expertise of the Indian & Foreign Principal Investigators.
5. Availability of infrastructure, manpower, nature of work to be done in the Indian and foreign Institutions.
6. Justification for foreign collaboration/funding.
7. Written consent and biodata of foreign collaborator(s).
8. Transfer of technology and capacity building as an outcome of the project.

The following points should be taken into consideration by Indian researchers:

1. With the progress in the area of cellular and molecular biology, the following points become important for careful consideration by scientists during preparation of their proposals, as these may have a bearing on the approval process:
 - (a) Safety during transfer of biological material such as risk of transportation.
 - (b) The research should not lead to development of biological weapons and hence breach of national security.
 - (c) Risk (relative) from the defence and internal security point of view of a country.
 - (d) Mutual agreement on Intellectual Property Rights (IPR) claims and related issues.
 - (e) Potential for commercial exploitation, such as by development of vaccines, diagnostics, therapeutics, drugs, etc.
2. Information pertaining to likely visits (year-wise) by Indian and foreign scientist(s) including duration and purpose of each visit.

Important advisory

1. The research proposals can be submitted throughout the year by the Indian Investigators. Call for proposals in response to various MoU's/ Joint Statements are made from time to time. To avoid delay in peer-review process, it is warranted that Indian PI's submit their project proposals to ICMR for simultaneous processing.
2. In case of any deadlines, it is required that the proposals be submitted to ICMR at least six months in advance.
3. Appropriate clearances for research involving human subjects/ animal experimentation, radio-tagged material (for clinical and/or experimental purposes), recombinant DNA/genetic engineering work.
4. The proposals involving ICMR's Institutes/Centres with the recommendations of the Scientific Advisory Committee (SAC) of the concerned Institute/Centre are required to be submitted along with the proposal.
5. The requisite documents to be submitted for review are listed at ICMR's website as also the additional documentation for Non Governmental Organisations.

2.3 Research Involving Human Subjects & Animal Experimentation

If the research involves human subjects and is not exempt from human subject review, then it is mandatory to have proposed project approved by an Institutional Review Board (IRB) or Institutional Ethics Committee (IEC) along with the approved assurance of compliance (format of which may be available at the parent organization). The application is not placed for consideration of the HMSC without the certificate of ethical clearance. ICMR's Ethical Guidelines for Biomedical Research on Human Subjects, 2006 (available on ICMR's website) may be referred to.

In addition, applicants must provide information pertaining to the characteristics of the subjects, source of research materials, recruitment plans and consent procedures, potential benefits to the subjects and to mankind, any potential risks and procedures for protecting against or minimizing potential risks. If they fail to include this information, the application is likely to be deferred by an international funding agency. The aim should be to include enough information with sufficient clarity so that reviewers may not have to question what the applicant proposes to do.

According to many international funding agencies, if the research involves vertebrate animals, the applicant needs to have an approved Animal Welfare Assurance form, which should be available at the parent organization. And also, the proposed project should be reviewed and duly approved by an Institutional Animal Care and Use Committee. In addition, the applicant must provide information pertaining to items such as a detailed description of the proposed use of the animals, a justification of the choice of species and number of animals to be used, information on the veterinary care of the animals involved, an explanation of the procedures to

ensure that the animals will not experience any unnecessary discomfort, distress, pain or injury and a description and justification for any euthanasia method to be used. If the applicant fails to include this information, the application may be deferred. The guidelines issued by the Committee for the Purpose of Control & Supervision of Experiments on Animals (CPCSEA) for Laboratory Animal Facility; Indian National Science Academy (INSA) Guidelines for Care and Use of Animals in Scientific Research and ICMR Guidelines for Use of Laboratory Animals in Medical Colleges may be referred to (available at ICMR website).

2.4 Transfer of Biological Materials

In case there is transfer of human biological material from India to foreign laboratory or vice-versa, a Material Transfer Agreement (MTA) needs to be provided. The guidelines issued by the Ministry of Health & Family Welfare, Govt. of India, New Delhi vide OM no L19015/53/97 IH (Pt), dated 19 November 1997 are to be followed for proposals involving transfer of human biological material for biomedical research purposes. *These guidelines and the MTA format are available at ICMR's website.*

The above mentioned guidelines enshrine the definition, modalities and mechanism for transfer of human biological materials for biomedical research as well as regulate the exchange of biological material for commercial purpose. It categorically states that if the material transfer is envisaged as a part of a collaborative project, the proposal must be routed through the appropriate authorities for evaluation and clearance. The exchange of human biological materials should be an integral part of a collaborative project, which should have been approved by the IRB (Institutional Review Board) and Ethics Committee and not be a separate activity.

It advocates that in order to protect the rights of the Indian study subjects as well as Indian scientists/organizations, memoranda of understanding and/or agreements on material transfer should be entered into between the collaborating partners (Indian and foreign). This should, according to the requirement of case under consideration, include the items pertaining to identification of the receiving/sending parties, the material to be transferred and its quantity, purpose of the transfer, the research to be carried out using the material, confidentiality, intellectual property rights, filing of patents, arrangements for future commercial exploitation, reporting, publication rights indemnification, termination of agreement, assignation or transfer of agreement / rights, safety norms to be observed, shipping arrangements, 'qualified user' information and any other matter that may be relevant to the particular exchange of material.

The requests for transfer of biological material for research / diagnostic purposes in biomedical research after scrutiny and decision by the respective agencies / departments are to be placed before the Health Ministry's Screening Committee (HMSC) for final endorsement. This would mean that all institutions, agencies and departments (as mentioned in guidelines) would have to send their proposals to the ICMR for obtaining such an endorsement by the HMSC.

2.5 Intellectual Property Rights (IPR)

Indian Council of Medical Research is committed to meet its objectives of improving public health through research and hence pursues an active policy of ensuring the most rapid and efficient development of new medical technologies developed by its scientists through seeking IP rights in India and abroad. It ensures that its basic mission is not compromised by the efforts to commercialize new technologies. Further, where research and development is not necessary to realize the technology's primary use and future therapeutic, diagnostic or preventive uses, IP protection may not be sought and instead those technologies can be commercialized through non-patent licensing.

Major objectives

- i. To make scientists aware of the need and responsibility to protect new knowledge generated through IP rights, ownership of biological and other materials and data generated using ICMR funds and facilities.
- ii. To develop procedures at ICMR institutions to capture, assess and protect new intellectual property generated.
- iii. To provide ICMR scientists, information on demand relating to patents in their areas of interest by maintaining appropriate national and international databases.
- iv. To provide appropriate technological, professional and legal expertise and services to assist ICMR scientists to file patents in India and abroad.
- v. To encourage and provide all support to universities and other institutions for protecting and commercializing new knowledge generated with ICMR support.
- vi. To develop a licensing policy that ensures the maximal public health benefit and a fair return on investment from ICMR research.
- vii. To develop and implement a royalty policy at ICMR institutions that encourages innovative scientists and technology generators through a system of royalty sharing and reward system.
- viii. To serve in an advisory capacity to the Indian government on IP related issues concerning public health.
- ix. To forge appropriate strategic alliances with national and international S&T agencies and industry to market its new inventions and develop professional knowledge networks for ICMR's technology management professionals.

The Council promotes its strategic objectives by attempting to create a conducive environment for research and innovation through an IPR-friendly climate by holding regular training workshops, seminars, making scientific community aware of the need for prompt IP protection before public

disclosure through various measures. It is the agency which is involved in regulatory practices of intellectual property rights pertaining to the biomedical sciences and health science research in the global patent scenario protecting the interests of both science and propriety of human welfare.

2.6 WHO-Government of India Collaborative Biennium Programme

The World Health Organization (WHO) is a technical collaborative agency which assists its member states to develop and strengthen their health services by providing technical support. WHO's assistance is formulated in the form of a WHO/Government of India (GoI) collaborative programme, which is implemented by concerned programme managers in the Ministry of Health and Family Welfare (MoH&FW) jointly with the WHO India country office in cooperation with the WHO Regional Office for South-East Asia (WHO/SEARO) and WHO Headquarters (WHO/HQ), if necessary. The programme functions in a two-year cycle, referred to as the biennium, with the financial period running from 1st of January of the given year to 31st of December of the subsequent year.

The WHO/GoI collaborative programme focuses on the high priority aspects of national health development programme. Recognizing that WHO funds are limited, the collaborative programme acts as a catalyst and is focused on a few selected areas that require technical inputs and are innovative in nature. It is funded through WHO's Regular Budget (RB) and other sources known as Extra Budgetary (EB) funds.

For the priority health programmes of the GoI during the 2002-2003 biennium, WHO helped in mobilizing significant amounts from EB sources. These funds amounted to more than four times the allocation from RB. Major programmes covered under EB funds were poliomyelitis (nearly 50%), tuberculosis, leprosy, HIV/AIDS, disease surveillance, malaria, lymphatic filariasis, emergency preparedness and response, child and adolescent health and health information network.

During the last biennium, 2004-2005, the WHO/GoI country work plan consisted of twenty four Areas of Work (AoW). Each work plan had a linkage to the WHO's Global Expected Result (GER) and provided information on country's issues and challenges, expected contribution of the country to GER, products/services pertaining to each expected contribution, activities to be undertaken for accomplishing the indicated product and planned budget for each activity (both RB & EB, which were already committed over and above the work plan). Over-planning figures were provided that helped WHO to mobilize more funds.

The Programme Budget (PB) for the biennium 2006-2007 contained thirty-six Areas of Work (AoW), which served as common building blocks for programmes and budget across the organization. Some areas of work were covered by the headquarters and regional offices and not by country offices.

For this biennium, SEARO had introduced the Regional Expected Results (RER) as well, which highlighted the regional issues and priorities within programme budget (PB) 2006-2007. This was based on joint planning with country offices and regional offices. It was mandatory to link each Regional Expected Results (RER) to one Organization Wide Expected Result (OWER) but possibilities existed for linking multiple RERs relating to an OWER. At the same time, depending on the regional priorities the RER may not have covered some OWER.

In effect, we have a planning framework wherein we move from a global OWER to specific priorities reflected in RER and then to more focused Office-Specific Expected Results (OSER).

There are twelve different offices in SEAR; eleven in the SEAR country offices and the other is the regional office. In this context it is important to note the distinction between OSER(s) from the regional office and RER(s): the former represents the normative and facilitative role of the regional office, whereas the latter is the consolidated result for the entire region.

Priorities for Programme Budget 2006-2007

WHO's broad strategic directions are set out in the general programme of work, which guide the elaboration of the two-year programme budget.

The programme budget builds on WHO's work over last biennium and sets out new and emerging areas of global concern where greater emphasis is required. The priorities are based on country needs and country cooperation strategies, resolutions of the health assembly and regional committees, other global commitments such as the Millennium Development Goals (MDG) and lessons learnt from past experience. The priorities are enhancing global health security, accelerating progress towards achieving MDG's, responding to the increasing burden of non communicable diseases, promoting equity in health & ensuring accountability.

On the basis of strategic directions and identified priorities, during the last biennium six specific areas of work identified were epidemic alert and response, making pregnancy safer, child and adolescent health, surveillance, prevention and management of chronic and non-communicable diseases, tobacco & planning, resource coordination and oversight.

For one of the identified Areas of Work (AoW) known as Health Information, Evidence and Research Policy (IER), the International Health Division of ICMR, coordinates the activities as a Responsible Programme Manager. This domain is related to the strengthening and reforming of the health information systems in the country to provide adequate and timely strategies for improving sub-national health information system towards attainment of major international goals.

The other key areas under IER are optimizing Knowledge Management (KM) practices through knowledge and evidence based decision making system by collection, analysis and dissemination of health information with a particular emphasis on knowledge generation in priority areas to strengthen human capacity.

The IER also envisages the need for developing and strengthening Health Systems Research (HSR) contextualized with regional priorities engaging civil society within an ambit of WHO programmes, with an adequate emphasis on HSR analysis and capacity building of researchers.

The impetus on improving International cooperation for health research with a focus on advisory roles coordinated by WHO and an integration of national expertise to facilitate interregional work in health care is also covered under IER.

The requisite of an ethical conduct of health research and best practices disseminated within WHO and blending them within public health research is also ratified therein.

The Planning Process

The planning process generally begins six months before the beginning of a biennium so that work may commence by January. During the planning stage, detailed work plans are developed through the discussions between the WHO country office and MoHFW. While preparing the work plan it must be ensured that 75% of activities commence in first year of the biennium and remaining 25% are carried forward to the second year.

According to the recent directives given through WHO/Gol coordination meetings, Local Cost Subsidies (LCS) were discontinued and replaced by Direct Financial Cooperation (DFC) in the 2006-2007 biennium. One of the principal features of DFC is withholding of further DFC funding from recipients with overdue technical reports and financial settlements. In case of non utilization of substantive amounts by 31st December of the first year of a biennium, allocation may be shifted to some other priority activity.

2.7 ICMR International Fellowship Programme

The world is now witnessing a rapid change in the way biomedical research is being conducted. The developing countries are in the grip of formidable challenges posed by existing communicable diseases coupled with newer emerging infections as also reemergence of newer strains apart from the subtle but progressive burden of non communicable diseases. On the positive side, rapid advances in science and technology have brought forth newer technologies to understand the disease process and find strategies for prevention and cure. There are areas at the cutting edge of science such as molecular medicine, genomics, immunology etc which have revolutionized knowledge for finding rapid diagnostics, vaccine, new drugs and other therapeutic measures. There is an urgent need that researchers working in core health sectors like diagnostics, epidemiology, surveillance and cure are exposed to the latest advancements in knowledge and interact with international scientists in their respective field of work.

To achieve the objective of building up of skilled pool of biomedical researchers in all aspects of biomedical research including basic, applied, epidemiological and clinical sciences, ICMR has embarked upon an International Fellowship Programme for capacity strengthening of scientists

of our country. There are twelve fellowships per year for young Indian scientists for duration of 3 to 6 months and six fellowships for senior level scientists for a period of 2 weeks to visit the foreign laboratories/institutes for scientific discussions/ training.

To achieve the objective of better south to south co-operation and considering India's excellence and proven leadership amongst the developing countries in several areas of research, ICMR awards five fellowships every year to the scientists from other developing countries to work in Indian laboratories for upto a period of six months.

2.8 ICMR Awards/ Prizes

Indian Council of Medical Research not only encourages and coordinates medical research but also recognizes the contributions made by biomedical scientists in various fields of science by rewarding them with a number of awards and prizes every year.

ICMR offers an array of awards in biomedical sciences. Majority of the awards are annual while a few are being given on alternate years. In addition to the awards given for the meritorious work carried out by scientists in a particular field of science, there are a number of awards to recognize and adorn scientific talent of young scientists. There are specific awards to encourage the scientists working in underdeveloped parts of country and also the scientists belonging to underprivileged communities and championing the cause of their section of society. An exclusive award has been instituted for women scientists to acknowledge the arduous tasks undertaken by them as successful professionals. ICMR awards are advertised in national newspapers and are widely publicized in scientific journals of the country in addition to being displayed on ICMR website.

2.9 Scientific Advisory Committee-Overseas

With an aim of involving Indian diaspora in the healthcare sector of our country, the International Health Division has worked towards constituting a Scientific Advisory Committee-Overseas at ICMR. Through this Committee, the eminent scientists of Indian origin will advise the Indian scientists on issues like utilization of advanced technologies in our country as well as on the mechanism of interactions and collaboration between the scientists of Indian origin and scientific organizations in India. The possibilities of scientific collaborations by writing joint research proposals and hands-on-training opportunities for this purpose may be discussed in order to develop sustained linkages between Non Resident Indian biomedical research professionals and their counterparts in India.

2.10 Other Organizational Activities of International Health Division

International Health Division (IHD) facilitates the organization of workshops, Joint Working Groups or Joint Steering Committees with various international Institutes/Organizations. The meetings are organized to review, develop and finalize joint collaborative programmes, decide future

plans of action and identify priorities for bilateral cooperation. Some of the major active collaborative efforts over the years with countries like Germany, USA, France, Japan, Canada, Italy, Bulgaria and Cuba have materialized into the development of a number of successful collaborative projects.

IHD supports and coordinates the international travel of Indian scientists engaged in approved bilateral research projects under various memoranda of understanding or joint statements with other countries. During the Xth five year plan period with effect from April 2002 to March 2007, 149 exchange visits from foreign countries and 96 exchange visits from India were coordinated for joint discussions and/or undertaking research activity.

IHD is consulted by various technical divisions of Indian Council of Medical Research and its Institutes/ Centres for inputs or comments on preparation of memoranda of understanding between Indian and foreign institutions.

The Division also disseminates information regarding the identified areas, facilities and opportunities available under various collaborative programmes through call for proposals, information brochures and ICMR website.

Funding Agencies

Various national and international agencies have identified priority areas for funding of collaborative research. The proposals submitted to the funding agencies need to be original and address the research areas prioritized by an agency. There are certain important considerations which need to be followed by a researcher for successful international collaboration viz. presentation of the proposal, justification for foreign collaboration, technology transfer, capacity building, ethical and IPR issues, transfer of human biological material, etc. As a condition of grant support, institutions in receipt of funds are responsible for ensuring that the investigator fully complies with the requirements for the storage, use and transfer of biological materials and any additional provisions to safeguard security that are specified in regulations. Parent institutions of the investigators are also required to accept responsibility for the management, monitoring and control of research work funded by international grants and for ensuring that permanent/temporary staff and students employed to undertake such work receive appropriate training. Some of the leading Indian funding agencies are as mentioned below.

3.1 Department of Biotechnology (DBT)

The setting up of a separate Department of Biotechnology (DBT), under the Ministry of Science and Technology in 1986 gave a new impetus to the development of the field of modern biology and biotechnology in India. Since its inception, the Department has promoted and accelerated the pace of development of biotechnology in the country through several R&D projects, demonstrations and creation of infrastructural facilities, a clearly visible impact in this field has been seen. The Department has made significant achievements in the growth and application of biotechnology in the broad areas of agriculture, health care, animal sciences, environment and industry.

There has been close interaction with the State Governments particularly through State S&T Councils for developing biotechnology application projects, demonstration of proven technologies, and training of human resource in States and Union Territories. A unique feature of the Department has been the deep involvement of the scientific community of the country through a number of technical task forces, advisory committees and individual experts in identification, formulation, implementation and monitoring of various programmes and activities.

In India, years of concerted effort in research and development in identified areas of modern biology and biotechnology have given rich dividends. The proven technologies at the laboratory level have been scaled up and demonstrated in field. Patenting of innovations, technology transfer to industries and close interaction with them have given a new direction to biotechnology

research. Initiatives have been taken to promote transgenic research in plants with emphasis on pest and disease resistance, nutritional quality, silk-worm genome analysis, molecular biology of human genetic disorders, brain research, plant genome research, development, validation and commercialization of diagnostic kits and vaccines for communicable diseases, food biotechnology, biodiversity conservation and bio-prospecting, setting up of micro-propagation parks and biotechnology based development for SC/ST, rural areas, women and for different States.

Necessary guidelines for transgenic plants, recombinant vaccines and drugs have also been evolved. A strong base of indigenous capabilities has been created. The field of biotechnology both for new innovations and applications would form a major research and commercial endeavor for socio-economic development in the next millennium.

3.2 Department of Science and Technology (DST)

The Department of Science & Technology (DST) was established in May 1971, with the objective of promoting new areas of Science & Technology and to play the role of a nodal department for organising, coordinating and promoting S&T activities in the country under the Ministry of Science & Technology. The Department has major responsibilities for specific projects and programmes such as formulation of policies relating to science and technology; matters relating to Scientific Advisory Committee of Cabinet (SACC) and promotion of new areas of S&T with special emphasis on emerging areas; coordination and integration of areas of Science and Technology having cross -sectoral linkages in which a number of institutions and departments that have interests and capabilities. It undertakes or financially sponsors scientific and technological surveys, research design and development; wherever necessary, while providing support and grants-in-aid to the scientific research institutions, scientific association or bodies. It plays a key role in matters regarding the interagency/ interdepartmental coordination for evolving science and technology missions, matters concerning domestic technology particularly the promotion of ventures involving the commercialization of such technology other than Council of Scientific and Industrial Research (CSIR).

It also adapts measures for promotion of science and technology and their application to the development and security of the nation as also capacity building including establishment of new institutions/ infrastructure. It assists in harnessing and application of science and technology for weaker sections, women and other disadvantaged sections of the society.

The DST supports Science & Technology entrepreneurship development for promotion of knowledge based technology driven entrepreneurs, management of information systems for Science & Technology, scientific surveys and services through Survey of India and National Atlas and Thematic Mapping Organisation (NATMO) and provides meteorological services through India Meteorological Department (IMD) and National Centre for Medium Range Weather Forecasting.

The Department has wide ranging activities ranging from promoting high end basic research and development of cutting edge technologies on one hand to service the technological requirements of the common man through development of appropriate skills and technologies on the other. The Department supports research through a wide variety of schemes specifically carved out to meet the requirements of different sections of the scientific and engineering community.

3.3 Defence Research and Development Organisation (DRDO)

The Defence Research and Development Organisation under the Ministry of Defence is dedicatedly engaged in the formulation and execution of programmes of scientific research, design and development, testing and evaluation leading to induction of state-of-art weapons and equipment which would compete and compare favorably with its contemporary systems available elsewhere in the world. It consists of a chain of laboratories/establishments situated all over the country, pursuing assigned scientific goals with delegated powers under the policy direction provided by the headquarters in New Delhi. The DRDO also supports a substantial amount of extramural research in academic institutions and other laboratories on defence related problems through various grants-in-aid schemes and other sponsored projects. The organization encourages and supports basic research in academic institutions through a scheme of extramural research and four Research Boards devoted to Aeronautics, Naval Research, Life Sciences, and Armaments.

The purpose of Life Sciences Research Board (LSRB) is to expand and deepen the knowledge-base of life sciences in the country through strengthening and use of national resources of knowledge, know-how, experience, facilities and infrastructure. The research supported by the LSRB is to enhance the core competence in the fields of knowledge (and their application) germane to development, manufacture and use of biomedical and biotechnological products as also preventive and curative procedures. The LSRB endeavors to create conditions suitable for attracting talent and experience from overseas locations through research collaborations and other academic exchanges. Accordingly LSRB supports research proposals in broad topic areas in Life Sciences viz., biological and biomedical sciences, psychology and physiology, bio-engineering, specialized high altitude agriculture, food science & technology etc. Innovative ideas and proposals from young scientists are encouraged.

3.4 Council of Scientific and Industrial Research (CSIR)

The major functions of Council of Scientific and Industrial Research include promotion, guidance and coordination of scientific and industrial research in India; establishment or development of and assistance to existing special institutions or departments for scientific study of problems affecting particular industries and trades; award of fellowship; utilization of Council's R&D results for industrial development; collection and dissemination of Science & Technology information

and technology generation, absorption and transfer.

The Council provides financial assistance to promote research work in the fields of Science & Technology, including agriculture, engineering and medicine. The assistance is provided by way of grants to Professors/Experts in regular employment, in the universities, IITs, post-graduate institutions, recognized R&D laboratories both in public and private sectors. Research proposals of applied nature as well as those falling under basic sciences which attempt to solve specific problems being pursued by CSIR laboratories, or in newer and complementary fields, are considered for CSIR support. Priority is given to multi-disciplinary projects, which involve inter-organizational co-operation (including that of CSIR laboratories). Preference is given to schemes, which have relevance to research programmes of CSIR laboratories. The CSIR provides essential financial inputs for viable research schemes so as to obtain definite advancements in specific fields and areas.

3.5 Indian National Science Academy (INSA)

The Indian National Science Academy encompasses promotion of science in India including its application to national welfare, safeguarding the interests of the scientists, establishing linkages with international bodies to foster collaboration and expressing considered opinion on national issues. The Academy also felicitates through properly constituted National Committees, in which other learned academics and societies may be associated, for undertaking scientific work of national and international importance which the Academy may be called upon to perform by the public and by the Government.

The main objectives of the Indian National Science Academy are promotion of scientific knowledge in India including its practical application to problems of national welfare. It also aims to coordinate among Scientific Academies, Societies, Institutions, Government Scientific Departments and Services. It also acts as a body of scientists of eminence for the promotion and safeguarding of the interests of scientists in India through properly constituted National Committees, for undertaking scientific work of national and international importance.

It seeks to promote and maintain liaison between Science and Humanities, while attempting resource mobilization for the promotion of Science. The Academy also dons advisory role to the government on critical issues in science and technology. Importantly, it serves as a forum for interaction among scientists within and outside the country.

- **National Funding Agencies: The details of some of the national funding agencies are available on their websites as listed at Annexure 3.**
- **International Funding Agencies: List of some of the leading international funding agencies is compiled at Annexure 4.**

Activities related to the Project

Development of database and software

A computerized database on all international collaborative projects considered by Health Ministry's Screening Committee (HMSC) during the year 2000 to 2007 has been developed. An entry form for entering the data on international collaborative projects has also been prepared. An online interactive system has been generated to give the latest status of the projects submitted by the investigators to ICMR for consideration of HMSC.

Interactive Sessions

One of the aims of the present project was to monitor the progress made and the outcome under various international projects duly approved by HMSC. To achieve this, interactive sessions were organized during which various Principal Investigators were requested to present their findings to assess whether any of their research results had the potential to be included in the national health programmes. Accordingly, two workshops/interactive sessions were organized by the International Health Division at ICMR.

The first interactive session was organized in the area of HIV/ AIDS on October 21, 2004 to review the progress made under the ongoing international projects and / or the research goals achieved upon the completion of certain projects. Recommendations made during the session were as follows:

- The Secretary, Health & Chairman HMSC suggested that the NGOs should be encouraged for studies on HIV/AIDS and they should also work in collaboration with the National AIDS Control Organization (NACO); MOH&FW, Govt. of India.
- The extensive data available on the sexual behaviour of 'Men having Sex with Men' (MSM) and Female Sex Workers (FSW) could be included in the formulation of national health programmes and policies.
- The Project Director, NACO; a member of HMSC was of the view that since a large amount of research data was available with Indian scientists, it could be constructively used in the national health programmes.
- Transfer of technology as an outcome of the international collaboration should be emphasized upon.
- It was also suggested that the HMSC Secretariat should organize such Interactive Sessions in other fields of medical research also.

The second interactive session on Malaria, Filariasis & Leishmaniasis was organized during January 30 – 31, 2006 at ICMR Hqrs, New Delhi wherein several Principal Investigators presented the progress made under their international collaborative projects. Recommendations made during the second interactive session were as follows:

- A copy of the grant letter along with approved budget and conditions, if any, whenever received from the funding agency by the Principal Investigator, should be submitted to the HMSC Secretariat.
- The research projects should be classified/ categorized as under to facilitate processing at ICMR:
 1. Commissioned projects.
 2. Projects without technical collaboration.
 3. Projects with technical collaboration and transfer of biological materials.

The experts felt that the projects under categories 1 & 2 require fast track clearances.

- The HMSC Secretariat should circulate the guidelines on the international collaboration to various Investigators/ Institutions. The information should also be made available on the ICMR website.

Glimpses of the Interactive Sessions organised during 2004-2006





List of International Collaborative Projects

List of projects approved by HMSC during the years 2000 to 2007 for international collaboration in biomedical research:

S.no.	Details of the project	
1	Indo-French collaborative studies on regulatory mechanism of mother-to child transmission of HIV-1.	
	Principal Investigator Dr. R S Paranjape Officer In Charge, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026	Funded by Administratia Nationala a Rezervelor de Stat, France Date of approval July 06, 2000 Total budget Rs. 1,69,87,500 Duration 36 Months Subject Area HIV/AIDS/ STD
2	A prospective epidemiological study of TB in neonates in Palamaner taluk, South India to determine the incidence of pulmonary tuberculosis and the impact of surveillance methodology on the measurement.	
	Principal Investigator Dr. Mario Vaz Professor & Head, St. Johns Medical College and Institute of Population Health and Clinical Research, St. Johns National Academy of Health Sciences, Bangalore-560034	Funded by Aeras Global TB Vaccine Foundation, USA Date of approval October 31, 2006 Total budget Rs. 4,79,25,474 Duration 36 Months Subject Area Tuberculosis

S.no.	Details of the project	
3	A prospective epidemiological study of TB disease and TB infection in adolescents in Palamaner, South India.	
	<p>Principal Investigator</p> <p>Dr. Mario Vaz</p> <p>Professor & Head, St. Johns Medical College and Institute of Population Health and Clinical Research, St. Johns National Academy of Health Sciences, Bangalore-560034</p>	<p>Funded by</p> <p>Aeras Global TB Vaccine Foundation, USA</p> <p>Date of approval October 31, 2006</p> <p>Total budget Rs. 7,27,14,971</p> <p>Duration 36 Months</p> <p>Subject Area Tuberculosis</p>
4	Long term generous lysine intake in well and undernourished young humans: Its effect on muscle mass and function, protein metabolism and response to stress.	
	<p>Principal Investigator</p> <p>Dr. Aruna Kurpad</p> <p>Professor, Institute of Population Health and Clinical Research, St. Johns Medical College, Bangalore-560034</p>	<p>Funded by</p> <p>Ajinomoto Amino Acid Research Program (3ARP), JAPAN</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 1,00,67,988</p> <p>Duration 24 Months</p> <p>Subject Area Nutrition</p>
5	Thrombohaemorrhagic balance in haemophilia -implications for an alternative therapeutic approach.	
	<p>Principal Investigator</p> <p>Dr. Shrimati D Shetty</p> <p>Research Officer, Institute of Immunohaematology, 13th Floor, New Building, KEM Hospital campus, Parel, Mumbai-400012</p>	<p>Funded by</p> <p>Bayer AG, United Kingdom</p> <p>Date of approval November 01, 2004</p> <p>Total budget Rs. 31,50,000</p> <p>Duration 24 Months</p> <p>Subject Area Haematology</p>

S.no.	Details of the project	
6	Mapping, size estimation and Integrated, Behavioural and Biological Survey (IBBS) in high HIV prevalence settings in India.	
	<p>Principal Investigator Dr. Lalit Kant Sr. Dy. Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi-110029</p>	<p>Funded by Bill & Melinda Gates Foundation, USA</p> <p>Date of approval November 01, 2004 Total budget Rs. 38,83,28,309 Duration 60 Months Subject Area HIV/AIDS/ STD</p>
7	Monitoring and evaluation of the Avahan project in India: Impact assessment and cost effectiveness analyses using enhanced surveillance methods and mathematical modeling of HIV transmission dynamics.	
	<p>Principal Investigator Dr. Reynold Washington Associate Professor, Institute of Population Health and Clinical Research, St. Johns Medical College, Bangalore-560034</p>	<p>Funded by Bill & Melinda Gates Foundation, USA</p> <p>Date of approval August 17, 2005 Total budget Rs. 4,38,06,675 Duration 60 Months Subject Area HIV/AIDS/ STD</p>
8	Mortality and morbidity burden and etiology of diarrhoeal disease in infants and young children in developing countries: Global database to prepare for vaccine introduction.	
	<p>Principal Investigator Dr. S K Bhattacharya Director, National Institute of Cholera and Enteric Diseases (NICED), P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010.</p>	<p>Funded by Bill & Melinda Gates Foundation, USA</p> <p>Date of approval January 17, 2006 Total budget Rs. 4,65,35,632 Duration 48 Months Subject Area Diarrhoeal Diseases</p>

S.no.	Details of the project	
9	Evaluating essential sexually transmitted infection service package for sex workers in India.	
	<p>Principal Investigator Dr. A R Risbud Deputy Director, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by Bill & Melinda Gates Foundation, USA</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 8,19,89,969</p> <p>Duration 24 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
10	The V3 Loop : A conserved structure of gp 120 that can induce broadly neutralizaing antibodies against HIV-1.	
	<p>Principal Investigator Dr. Preeti R Mehta Professor & Head, KEM Hospital, Parel, Mumbai-400012</p>	<p>Funded by Bill & Melinda Gates Foundation, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 64,83,792</p> <p>Duration 36 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
11	The V3 Loop : A conserved structure of gp 120 that can induce broadly neutralizaing antibodies against HIV-1.	
	<p>Principal Investigator Dr. Mamta Manglani Professor, LTMGH Hospital, Sion. Mumbai-400022</p>	<p>Funded by Bill & Melinda Gates Foundation, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 65,26,313</p> <p>Duration 36 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
12	Relationship of growth in infancy and childhood to adult endothelial function and body composition: The New Delhi birth cohort.	
	<p>Principal Investigator Dr. Santosh K Bhargava Head, S. L. Jain Hospital, Ashok Vihar III, Delhi-110052</p>	<p>Funded by British Heart Foundation, United Kingdom</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 1,51,34,488</p> <p>Duration 36 Months</p> <p>Subject Area Child Health</p>
13	A 6-years prospective study of the risks of death by cause from tobacco and alcohol use among 2 million Indian men women-a multi centric study.	
	<p>Principal Investigator Dr. Anna Salomi Kerketta Research Officer, Regional Medical Research Centre, Chandrasekharpur, Bhubneswar-751023</p>	<p>Funded by Canadian Institutes of Health Research, Canada</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 14,13,000</p> <p>Duration 36 Months</p> <p>Subject Area NCD Surveillance</p>
14	Establishing an iron supplementation strategy to reduce the prevalence of iron deficiency anemia among infants and young children in India- randomized clinical trial.	
	<p>Principal Investigator Dr. Anand Pandit Clinical Professor & Director, KEM Hospital, Pune 411011</p>	<p>Funded by Canadian Institutes of Health Research, Canada</p> <p>Date of approval April 20, 2004</p> <p>Total budget Rs. 34,50,000</p> <p>Duration 12 Months</p> <p>Subject Area Nutrition</p>

S.no.	Details of the project	
15	Urban-rural differences in risk factors and cardiovascular disease: The PURE (Prospective Urban Rural Epidemiology) India study.	
	<p>Principal Investigator</p> <p>Dr. Mario Vaz</p> <p>Professor & Head, St. Johns Medical College and Institute of Population Health and Clinical Research, St. Johns National Academy of Health Sciences, Bangalore-560034</p>	<p>Funded by</p> <p>Canadian Institutes of Health Research, Canada</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 96,04,220</p> <p>Duration 18 Months</p> <p>Subject Area Cardiovascular Diseases</p>
16	An international multi-centre study of anastrozole versus placebo in postmenopausal women at increased risk of breast cancer.	
	<p>Principal Investigator</p> <p>Dr. R A Badwe</p> <p>Head, Tata Memorial Hospital, Dr. E Borges Marg, Parel, Mumbai -400012</p>	<p>Funded by</p> <p>Cancer Research UK, United Kingdom</p> <p>Date of approval November 01, 2004</p> <p>Total budget Rs. 53,00,000</p> <p>Duration 120 Months</p> <p>Subject Area Oncology</p>
17	Biomarkers for nephropathy in Asian Indians with type 2 diabetes mellitus.	
	<p>Principal Investigator</p> <p>Dr. P V Rao</p> <p>Professor & Head, Nizam's Institute of Medical Sciences, Hyderabad 500082</p>	<p>Funded by</p> <p>Centre for Biomarker Discovery, Oregon Health & Science University, USA</p> <p>Date of approval April 20, 2004</p> <p>Total budget Rs. 25,000</p> <p>Duration 6 Months</p> <p>Subject Area Diabetes</p>

S.no.	Details of the project	
18	Physical, behavioural and biological measurement in Sample Registration System (SRS): A feasibility study.	
	<p>Principal Investigator Dr. Rajesh Kumar Professor & Head, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by Centre for Global Health Research, Canada</p> <p>Date of approval April 28, 2006 Total budget Rs. 14,83,020 Duration 24 Months Subject Area Health Systems Research</p>
19	Clinical and molecular studies in families with congenital or hereditary glaucomas.	
	<p>Principal Investigator Dr. L Vijaya Head, Vision Research Foundation, Sankara Nethralaya, Chennai</p>	<p>Funded by Columbia University, USA</p> <p>Date of approval March 13, 2000 Total budget Rs. 38,65,000 Duration 60 Months Subject Area Ophthalmology</p>
20	Randomized controlled trial of 6% cellulose sulfate gel and the effect on vaginal HIV transmission Protocol no: C03-090.	
	<p>Principal Investigator Dr. Suniti Solomon Director, YRG Care, 1, Raman Street, T. Nagar, Chennai-600017</p>	<p>Funded by CONRAD, USA</p> <p>Date of approval August 17, 2005 Total budget Rs. 2,61,45,719 Duration 40 months Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
21	Assessing the vascular changes occurring in the cervix in relation to the hormonal levels and menstrual cycle.	
	<p>Principal Investigator Dr. S N Joshi Research Officer, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by CONRAD, USA</p> <p>Date of approval October 18, 2005</p> <p>Total budget Rs. 17,08,280</p> <p>Duration 6 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
22	Reddy female condom: Evaluation of two condom shaft lengths in India.	
	<p>Principal Investigator Dr. S N Joshi Research Officer, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by CONRAD, USA</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 4,95,134</p> <p>Duration 6 Months</p> <p>Subject Area Reproductive Health</p>
23	Randomized controlled trial of 6% cellulose sulfate gel and the effect on vaginal HIV transmission.	
	<p>Principal Investigator Dr. Reynold Washington Associate Professor, Institute of Population Health and Clinical Research, St. Johns Medical College, Bangalore-560034</p>	<p>Funded by CONRAD, USA</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 4,66,17,076</p> <p>Duration 30 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
24	Cervical occlusion improves pregnancy outcomes in women with cervical insufficiency: A randomized, controlled and observational trial with cerclage, with and without cervical occlusion.	
	<p>Principal Investigator</p> <p>Dr. Sunita Mital</p> <p>Professor & Unit Head, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by</p> <p>Copenhagen University, Denmark</p> <p>Date of approval September 12, 2007</p> <p>Total budget Not Required</p> <p>Duration 30 Months</p> <p>Subject Area Reproductive Health</p>
25	Use of a simulation model in National Leprosy Eradication Programme.	
	<p>Principal Investigator</p> <p>Dr. M D Gupte</p> <p>Director, National Institute of Epidemiology, Mayor V.R. Ramanathan Road, Post Box No. 2577, Chetput, Chennai-600031</p>	<p>Funded by</p> <p>DANLEP, Germany</p> <p>Date of approval March 13, 2000</p> <p>Total budget Rs. 19,00,000</p> <p>Duration 36 Months</p> <p>Subject Area Leprosy</p>
26	An international research consortium to maximize benefits and equity of HIV treatment and care systems.	
	<p>Principal Investigator</p> <p>Dr. Ramesh S Paranjape</p> <p>Director, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by</p> <p>Department for International Development, United Kingdom</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 1,58,42,973</p> <p>Duration 60 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
27	Pesticide action on arylacylamidases to affect nervous system development.	
	<p>Principal Investigator Dr. Rathnam Boopathy Professor & Head, Bharathiar University, Coimbatore-641045</p>	<p>Funded by Department of Science & Technology(DST), India</p> <p>Date of approval November 05, 2002 Total budget Rs. 8,00,000 Duration 24 Months Subject Area Neurosciences</p>
28	Multi-site epidemiological and virological monitoring of human influenza virus in India, phase I.	
	<p>Principal Investigator Dr. A C Mishra Deputy Director (SG)& Officer in Charge, National Institute of Virology, 20-A, Dr. Ambedkar Road, Pune-411001</p>	<p>Funded by Department of Health & Human Services, USA</p> <p>Date of approval July 24, 2004 Total budget Rs. 1,43,21,040 Duration 60 Months Subject Area Influenza</p>
29	Multicentre, open-label randomized clinical trial of efficacy and tolerability of the fixed-dose artesunate/ amodiaquine (AS/AQ) combination therapy versus amodiaquine (AQ) monotherapy for treatment of uncomplicated falciparum malaria in India.	
	<p>Principal Investigator Dr. A P Dash Director, National Institute of Malaria Research, 22 Sham Nath Marg, Delhi-110054</p>	<p>Funded by Drugs for Neglected Diseases Initiative (DNDi), Switzerland</p> <p>Date of approval August 09, 2006 Total budget Rs. 37,62,332 Duration 24 Months Subject Area Malaria</p>

S.no.	Details of the project	
30	Assessment of efficacy, safety and population-pharmacokinetics of the fixed-dose combination of artesunate-mefloquine in the treatment of acute uncomplicated falciparum malaria in India.	
	<p>Principal Investigator</p> <p>Dr. A P Dash Director, National Institute of Malaria Research, 22 Sham Nath Marg, Delhi-110054</p>	<p>Funded by</p> <p>Drugs for Neglected Diseases Initiative (DNDi), Switzerland</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 54,55,830</p> <p>Duration 12 Months</p> <p>Subject Area Malaria</p>
31	In vitro sensitivity of Indian Plasmodium falciparum strains to antimalarial agents.	
	<p>Principal Investigator</p> <p>Dr. A P Dash Director, National Institute of Malaria Research, 22 Sham Nath Marg, Delhi-110054</p>	<p>Funded by</p> <p>Drugs for Neglected Diseases Initiative (DNDi), Switzerland</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 9,74,500</p> <p>Duration 12 Months</p> <p>Subject Area Malaria</p>
32	Development of novel pneumococcal vaccine based on choline-binding surface proteins of Streptococcus pneumoniae.	
	<p>Principal Investigator</p> <p>Dr. Lata Kumar Head, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by</p> <p>European Union</p> <p>Date of approval March 13, 2000</p> <p>Total budget Euro 2,30,000</p> <p>Duration 36 Months</p> <p>Subject Area Child Health</p>

S.no.	Details of the project	
33	Diagnosis of infection and morbidity in lymphatic filariasis: Development of field applicable tools.	
	Principal Investigator Dr. B Ravindran Deputy Director, Regional Medical Research Centre Chandrasekharpur, Bhubneswar-751023	Funded by European Union Date of approval May 03, 2001 Total budget Rs. 52,50,000 Duration 36 Months Subject Area Filariasis
34	Efficacy, acceptability and cost-effectiveness of long lasting insecticidal nets in the prevention of kala-azar.	
	Principal Investigator Dr. Pradeep Das Director, Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, Patna-800007	Funded by European Union Date of approval August 17, 2005 Total budget Rs. 2,19,75,660 Duration 48 Months Subject Area Leishmaniasis
35	T-cell regulation and the control of helminth infections.	
	Principal Investigator Dr. B Ravindran Deputy Director (SG), Regional Medical Research Centre, Chandrasekharpur, Bhubneswar-751023	Funded by European Union Date of approval April 28, 2006 Total budget Rs. 1,30,00,000 Duration 36 Months Subject Area Parasitic Infections

S.no.	Details of the project	
36	Development and clinical evaluation of fast tests for tuberculosis diagnosis.	
	<p>Principal Investigator Dr. Alamelu Raja Deputy Director, Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031</p>	<p>Funded by European Union</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 37,46,866</p> <p>Duration 36 Months</p> <p>Subject Area Tuberculosis</p>
37	Comprehensive approach to understand streptococcal diseases and their sequelae to develop innovative strategies for diagnosis, therapy, prevention and control (ASSIST).	
	<p>Principal Investigator Dr. N K Mehra Professor & Head, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by European Union</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 3,22,99,765</p> <p>Duration 36 Months</p> <p>Subject Area Cardiovascular Diseases</p>
38	Pilot study on acceptability of vaginal microbicides: Development and validation of acceptability measure.	
	<p>Principal Investigator Dr. Sanjay Mehendale Deputy Director, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by Family Health International, USA</p> <p>Date of approval May 08, 2003</p> <p>Total budget \$ 30,074</p> <p>Duration 6 Months</p> <p>Subject Area Reproductive Health</p>

S.no.	Details of the project	
39	Sustained acceptability of tenofovir microbicide gel: Male and female perspectives in Pune, India.	
	<p>Principal Investigator Dr. Sanjay Mehendale Deputy Director (SG), National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by Family Health International, USA</p> <p>Date of approval January 17, 2006 Total budget Rs. 52,55,536 Duration 25 Months Subject Area Reproductive Health</p>
40	Vasectomy acceptability among clients and providers in Uttar Pradesh, India.	
	<p>Principal Investigator Dr. Leila Caleb Varkey Consultant, Engender Health India, F-6/8B Poorvi Marg, Vasant Vihar, New Delhi-110057</p>	<p>Funded by Family Health International, USA</p> <p>Date of approval August 09, 2006 Total budget Rs. 34,00,355 Duration 24 Months Subject Area Social & Behavioural Research</p>
41	ILEP Nerve Function Impairment and Reaction (INFIR) cohort study.	
	<p>Principal Investigator Dr. M Pranava INFIR Research Officer, The Leprosy Mission India, CNI Bhavan, 16, Pandit Pant Marg, New Delhi-110001</p>	<p>Funded by Fondation luxembourgeoise Raoul Follereau, USA</p> <p>Date of approval December 08, 2000 Total budget Rs. 87,09,274 Duration 36 Months Subject Area Neurosciences</p>

S.no.	Details of the project	
42	Financial flows for health research study in India- a multi country study.	
	<p>Principal Investigator Dr. Lalit Kant Sr. Dy. Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi-110029</p>	<p>Funded by Global Forum for Health Research, Switzerland</p> <p>Date of approval May 02, 2005 Total budget \$ 67,183 Duration 6 Months Subject Area Health Systems Research</p>
43	Genome sequencing of Indian P.falciparum strains and development of a P.falciparum haplotype map (Pf hapmap in Indian strain).	
	<p>Principal Investigator Dr. A P Dash Director, National Institute of Malaria Research, 22 Sham Nath Marg, Delhi-110054</p>	<p>Funded by Harvard School of Public Health, Boston, USA</p> <p>Date of approval August 09, 2006 Total budget Not Mentioned Duration 24 Months Subject Area Malaria</p>
44	Time series study on air pollution and mortality in Delhi.	
	<p>Principal Investigator Dr. R Uma Fellow, Centre for Environmental Studies, TERI Habitat Place, Lodhi Road, New Delhi-110003</p>	<p>Funded by Health Effects Institute, Boston, USA</p> <p>Date of approval May 02, 2005 Total budget Rs. 32,30,000 Duration 12 Months Subject Area Environment & Occupational Health</p>

S.no.	Details of the project	
45	Developing exposure-response functions for air pollutants from time-series analyses - a pilot exercise in Chennai, India	
	<p>Principal Investigator Dr. Kalpana Balakrishnan Professor, Sri Ramchandra Medical College & Research Institute, Porur, Chennai-600116</p>	<p>Funded by Health Effects Institute, Boston, USA</p> <p>Date of approval May 02, 2005</p> <p>Total budget \$ 50,000</p> <p>Duration 12 Months</p> <p>Subject Area Environment & Occupational Health</p>
46	Time-series study on the relation of air pollution and mortality in Ludhiana city, India.	
	<p>Principal Investigator Dr. Rajesh Kumar Head, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by Health Effects Institute, Boston, USA</p> <p>Date of approval May 02, 2005</p> <p>Total budget Rs. 12,38,370</p> <p>Duration 18 Months</p> <p>Subject Area Environment & Occupational Health</p>
47	Health effects of exposure to high natural background radiation in Karunagapally, Kerala, India.	
	<p>Principal Investigator Dr. B Rajan Director, Regional Cancer Centre, Medical College P.O., Trivandrum, Kerala</p>	<p>Funded by Health Research Foundation, Japan</p> <p>Date of approval October 18, 2005</p> <p>Total budget Rs. 63,66,000</p> <p>Duration 36 Months</p> <p>Subject Area Environment & Occupational Health</p>

S.no.	Details of the project	
48	Molecular genetics of complex phenotypes: Focus on schizophrenia and tardive dyskinesia.	
	<p>Principal Investigator Dr. Smita N Deshpande Senior Psychiatrist, Dr. Ram Manohar Lohia Hospital, New Delhi-110001</p>	<p>Funded by Hebrew University Medical Centre, Israel</p> <p>Date of approval March 08, 2002</p> <p>Total budget Rs. 26,42,000</p> <p>Duration 24 Months</p> <p>Subject Area Mental Health</p>
49	The activity of new generation antimicrobial agents against M. leprae in the mouse footpad model.	
	<p>Principal Investigator Dr. U D Gupta Assistant Director, Central JALMA Institute for Leprosy, P. Box. No. 101, Tajganj, Agra-282001</p>	<p>Funded by Heiser Foundation, USA</p> <p>Date of approval May 08, 2003</p> <p>Total budget Rs.29,04,400</p> <p>Duration 24 Months</p> <p>Subject Area Leprosy</p>
50	Genetic polymorphism of drug metabolising enzymes in South Indian population.	
	<p>Principal Investigator Dr. C Adithan Professor, Jawaharlal Institute of Post-Graduate Medical Education and Research, Pondicherry-605006</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval December 08, 2000</p> <p>Total budget Rs. 19,34,528</p> <p>Duration 24 Months</p> <p>Subject Area Genetics</p>

S.no.	Details of the project	
51	Catalytic antibodies against Factor VIII : Structure, function and implication for therapy.	
	<p>Principal Investigator Dr. Dipika Mohanty Director, Institute of Immunohaematology, 13th Floor, New Building, KEM Hospital campus, Parel, Mumbai-400012</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval December 08, 2000</p> <p>Total budget Rs. 21,82,000</p> <p>Duration 36 Months</p> <p>Subject Area Haematology</p>
52	Pre-erythrocytic malaria parasites: Differential gene expression and identification of new potential targets.	
	<p>Principal Investigator Dr. V S Chauhan Director, International Centre for Genetic Engineering and Biotechnology, P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval September 10, 2001</p> <p>Total budget \$ 1,06,800</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>
53	High resolution of Mycobacterium tuberculosis IS6110 low-copy number strains: Combining novel molecular approaches for global detection of tuberculosis epidemics.	
	<p>Principal Investigator Dr. Seyed Hasnain Director, Centre for DNA Finger Printing and Diagnostics, Nacharam, Hyderabad-500076</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval September 10, 2001</p> <p>Total budget Rs. 29,80,000</p> <p>Duration 36 Months</p> <p>Subject Area Tuberculosis</p>

S.no.	Details of the project	
54	Role of minor histocompatibility systems in the clinical outcome of familial bone marrow transplantation.	
	<p>Principal Investigator Dr. Alok Srivastav Professor, Christian Medical College & Hospital, Vellore 632004</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval September 10, 2001</p> <p>Total budget Rs. 30,00,000</p> <p>Duration 24 Months</p> <p>Subject Area Haematology</p>
55	Host parasite relationship: A study on host immunity to survival of Mycobacterium tuberculosis isolates.	
	<p>Principal Investigator Dr. Ramasamy Pitchappan Senior Professor & Head, Centre for advance studies in Functional Genomics, School of Biological Sciences, Madurai-625021</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval September 10, 2001</p> <p>Total budget \$ 75,200</p> <p>Duration 36 Months</p> <p>Subject Area Tuberculosis</p>
56	Role of neuron-glia interactions during post-embryonic development in Drosophila.	
	<p>Principal Investigator Dr. Veronica Rodrigues Professor, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval March 08, 2002</p> <p>Total budget Rs. 12,16,000</p> <p>Duration 36 Months</p> <p>Subject Area Basic Sciences</p>

S.no.	Details of the project	
57	New wild type derived mouse strains: A model to study genetic factors involved in susceptibility/resistance to cerebral malaria.	
	<p>Principal Investigator</p> <p>Dr. Rajesh K Anand</p> <p>Staff Scientist VI, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi-110067</p>	<p>Funded by</p> <p>ICMR under ICMR-INSERM MoU</p> <p>Date of approval March 08, 2002</p> <p>Total budget Rs. 20,50,000</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>
58	Immunogenetic and humoral profile of diabetes mellitus in Asian Indians.	
	<p>Principal Investigator</p> <p>Dr. N K Mehra</p> <p>Professor & Head, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by</p> <p>ICMR under ICMR-INSERM MoU</p> <p>Date of approval March 08, 2002</p> <p>Total budget Rs. 29,25,200</p> <p>Duration 36 Months</p> <p>Subject Area Diabetes</p>
59	Haemostatic and molecular defects predisposing to acute nonembolic stroke in children and young Indians.	
	<p>Principal Investigator</p> <p>Dr. Renu Saxena</p> <p>Professor, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by</p> <p>ICMR under ICMR-INSERM MoU</p> <p>Date of approval April 20, 2004</p> <p>Total budget Rs. 5,67,630</p> <p>Duration 36 Months</p> <p>Subject Area Haematology</p>

S.no.	Details of the project	
60	Maternal malnutrition and periods of vulnerability and reversibility in the developing brain: A focus on cognitive function, molecular correlates and neuroprotection.	
	<p>Principal Investigator Dr. Shyamala Mani Scientist, National Brain Research Centre, Near NSG Campus, Naniwal Mode, Manesar, Haryana-122050</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval April 20, 2004</p> <p>Total budget Rs. 24,36,576</p> <p>Duration 36 Months</p> <p>Subject Area Neurosciences</p>
61	Spatio-temporal expression of SMAR1 in the developing CNS: Gene regulation by SMAR1 and Cux in the CNS.	
	<p>Principal Investigator Dr. Samit Chattopadhyay National Centre for Cell Sciences, Pune University, Ganeshkhind, Pune-411007</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval October 18, 2005</p> <p>Total budget Rs. 15,00,000</p> <p>Duration 24 Months</p> <p>Subject Area Neurosciences</p>
62	Pharmacogenetics of epilepsy drug therapeutics.	
	<p>Principal Investigator Dr. S Vivekanandhan Associate Professor, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval October 18, 2005</p> <p>Total budget Rs. 26,95,988</p> <p>Duration 24 Months</p> <p>Subject Area Neurosciences</p>

S.no.	Details of the project	
63	High resolution molecular markers as tools for evaluation of tuberculosis control programs in two Indian regions.	
	<p>Principal Investigator Dr. V M Katoch Director, Central JALMA Institute for Leprosy, P. Box. No. 101, Tajganj, Agra-282001</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval October 18, 2005</p> <p>Total budget Rs. 15,60,000</p> <p>Duration 24 Months</p> <p>Subject Area Tuberculosis</p>
64	Studies on T-cell receptor VB repertoire in autoimmune rheumatic disorders: Correlation with HLA profile.	
	<p>Principal Investigator Dr. Vir Singh Negi Associate Professor, Jawaharlal Institute of Post-graduate Medical Education and Research, Pondicherry-605006</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 28,52,160</p> <p>Duration 24 Months</p> <p>Subject Area Immunology</p>
65	Research pursuit and consolidation of proangiogenic active principle from marine organism : Its effect on differentiation of stem cell progenitors to vascular cells.	
	<p>Principal Investigator Dr. Anil Chatterji Scientist, National Institute of Oceanography, Dona Paula, Goa-403004</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 15,00,000</p> <p>Duration 24 Months</p> <p>Subject Area Stem Cell Research</p>

S.no.	Details of the project	
66	Prenatal screening of beta-thalassemia mutations in fetus using maternal blood.	
	<p>Principal Investigator Dr. Satish Kumar Adiga Associate Professor, Kasturba Medical College, Manipal</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval April 28, 2006 Total budget Rs. 14,07,000 Duration 24 Months Subject Area Haematology</p>
67	Characterization of the 5'-regulatory region of CYP2C19 in the South Indian population.	
	<p>Principal Investigator Dr. C Adithan Director Professor, Jawaharlal Institute of Post-graduate Medical Education and Research, Pondicherry-605006</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval April 28, 2006 Total budget Rs. 29,29,000 Duration 24 Months Subject Area Genetics</p>
68	Expression of telomerase and profile of genetic alterations in Glioblastomas.	
	<p>Principal Investigator Dr. G K Chetan Assistant Professor, National Institute of Mental Health & Neuro Sciences, Bangalore 560029</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval September 12, 2007 Total budget Rs. 15,40,000 Duration 24 Months Subject Area Neurosciences</p>

S.no.	Details of the project	
69	Genetic and functional dissection of FOXL2 gene involved in the pathogenesis of the Blepharophimosis Syndrome(BPES).	
	<p>Principal Investigator Dr. P Sundaresan Sr. Scientist, Aravind Eye Hospital & PG Institute of Ophthalmology, 1, Annanagar, Madurai-625020</p>	<p>Funded by ICMR under ICMR-INSERM MoU</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 19,48,000</p> <p>Duration 24 Months</p> <p>Subject Area Ophthalmology</p>
70	Cellular and molecular mechanisms of alcohol related organ damage: Biochemical, immunological and genetic studies.	
	<p>Principal Investigator Dr. Suman Vasisht Sr. Scientist, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval March 13, 2000</p> <p>Total budget Rs. 15,56,572</p> <p>Duration 36 Months</p> <p>Subject Area Basic Sciences</p>
71	Study of TGF β system in advanced breast tumors.	
	<p>Principal Investigator Dr. Sunil Trivedi Sr. Scientific Officer, The Gujarat Cancer and Research Institute, Asarwa, Ahmedabad-380016</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval March 13, 2000</p> <p>Total budget \$ 36,500</p> <p>Duration 36 Months</p> <p>Subject Area Oncology</p>

S.no.	Details of the project	
72	Identification of the markers for chronic infection with hepatitis B virus and their relation to hepatocarcinogenesis: Detection of HBx transcripts and immune responses to HBx gene products in CHB and HCC patients.	
	<p>Principal Investigator Dr. Shubhada Chiplunkar Officer In Charge, Cellular Immunology Unit, Cancer Research Institute, Tata Memorial Centre, Parel, Mumbai-400012</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval July 06, 2000 Total budget \$ 48,140 Duration 36 Months Subject Area Oncology</p>
73	Metabolic basis of malignant cell glycoconjugate alterations in tobacco related cancer in Gujarat.	
	<p>Principal Investigator Dr. P S Patel Sr. Scientific Officer, The Gujarat Cancer and Research Institute, Asarwa, Ahmedabad-380016</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval May 03, 2001 Total budget Rs. 25,24,000 Duration 36 Months Subject Area Oncology</p>
74	Detection of rRNA sequences by Fluorescent in Situ Hybridization (FISH) method for reliable diagnosis of Chlamydia trachomatis.	
	<p>Principal Investigator Dr. Sujala Kapur Assistant Director, Institute of Pathology, Safdarjung Hospital Campus, New Delhi-110029</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval May 03, 2001 Total budget Rs. 16,44,000 Duration 24 Months Subject Area Infectious Diseases-others</p>

S.no.	Details of the project	
75	Detection of high risk cervical lesion and cervical cancer using integrated papillomavirus transcripts and p16 as biomarkers.	
	<p>Principal Investigator Dr. K A Dinshaw Director, Tata Memorial Centre, Tata Memorial Hospital, Parel, Mumbai-400012</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval May 03, 2001 Total budget Rs. 18,07,000 Duration 36 Months Subject Area Oncology</p>
76	Study of the genotypic variations of Hepatitis C Virus (HCV) in patients of acute and chronic liver diseases in India and its comparative evaluation with the German population.	
	<p>Principal Investigator Dr. P Kar Professor, Maulana Azad Medical College, New Delhi-110002</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval September 10, 2001 Total budget Rs. 22,85,120 Duration 36 Months Subject Area Gastroenterology</p>
77	Development of an in vitro model for the propagation of Hepatitis E Virus (HEV) in primary hepatocytes from the Asian tree shrew.	
	<p>Principal Investigator Dr. Shahid Jameel Asso Scientist & Group Leader (Virology), International Centre for Genetic Engineering and Biotechnology , P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval September 10, 2001 Total budget Rs. 54,27,532 Duration 36 Months Subject Area Virology</p>

S.no.	Details of the project	
78	Detection of minimal residual diseases in cervical cancer.	
	<p>Principal Investigator Dr. T Rajkumar Deputy Director, Cancer Institute (WIA), Adyar Chennai-600020</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval September 10, 2001</p> <p>Total budget \$ 49,450</p> <p>Duration 36 Months</p> <p>Subject Area Oncology</p>
79	Identification of novel HPV types in squamous cell carcinomas of the head/neck in the Indian population.	
	<p>Principal Investigator Dr. Rita Mulherkar Officer In Charge, Tata Memorial Centre, Tata Memorial Hospital, Parel, Mumbai-400012</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 43,450</p> <p>Duration 36 Months</p> <p>Subject Area Oncology</p>
80	Molecular pathogenesis of rheumatic fever and rheumatic heart disease.	
	<p>Principal Investigator Dr. Anil Grover Associate Professor & Head, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 52,725</p> <p>Duration 36 Months</p> <p>Subject Area Cardiovascular Diseases</p>

S.no.	Details of the project	
81	Post DEC reaction in human bancroftian filariasis: An immunological study in Orissa.	
	<p>Principal Investigator Dr. B Ravindran Deputy Director, Regional Medical Research Centre, Chandrasekharpur, Bhubneswar-751023</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval July 10, 2002</p> <p>Total budget Rs. 55,00,000</p> <p>Duration 36 Months</p> <p>Subject Area Filariasis</p>
82	Molecular characterization of leishmania parasites isolated from dermal lesions of PKDL patients in India.	
	<p>Principal Investigator Dr. Poonam Salotra Assistant Director, Institute of Pathology, Safdarjung Hospital Campus, New Delhi-110029</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval November 05, 2002</p> <p>Total budget Rs. 28,90,000</p> <p>Duration 36 Months</p> <p>Subject Area Leishmaniasis</p>
83	Innate immune functions in visceral leishmaniasis and under malnutrition.	
	<p>Principal Investigator Dr. Pradeep Das Director, Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, Patna-800007</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 14,50,000</p> <p>Duration 24 Months</p> <p>Subject Area Leishmaniasis</p>

S.no.	Details of the project	
84	Thiol-mediated oxidative stress response of <i>Listeria monocytogenes</i> , in particular in biofilms.	
	<p>Principal Investigator Dr. Shubha Gopal Reader, JSS College of Arts, Commerce and Sciences, Ooty Road, Mysore-570025</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 17,46,187</p> <p>Duration 24 Months</p> <p>Subject Area Infectious Diseases-others</p>
85	The stringent response in mycobacteria: A new target for the therapy of tuberculosis.	
	<p>Principal Investigator Dr. Dipankar Chatterji Professor, Indian Institute of Sciences, Bangalore-560012</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 5,14,376</p> <p>Duration 36 Months</p> <p>Subject Area Tuberculosis</p>
86	Structural-functional analysis of adhesins of bacterial pathogens (<i>E.coli</i>).	
	<p>Principal Investigator Dr. Seyed E Hasnian Director, Centre for DNA Finger Printing and Diagnostics, Nacharam, Hyderabad-500076</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 25,95,020</p> <p>Duration 24 Months</p> <p>Subject Area Basic Sciences</p>

S.no.	Details of the project	
87	Telemedicine station for rural health monitoring and diagnosis of epidemic diseases.	
	Principal Investigator Dr. D Janakiram Professor, Indian Institute of Technology, Chennai, Chennai-600036	Funded by ICMR under Indo-German Programme Date of approval March 19, 2007 Total budget Rs. 14,50,000 Duration 24 Months Subject Area Bioinformatics
88	Cloning of novel and rare chromosomal translocations in Acute Myeloid and Lymphoblastic Leukemia (AML and ALL).	
	Principal Investigator Dr. Sonal R Bakshi Junior Scientific Officer, The Gujarat Cancer and Research Institute, Asarwa, Ahmedabad-380016	Funded by ICMR under Indo-German Programme Date of approval March 19, 2007 Total budget Rs. 12,56,400 Duration 24 Months Subject Area Oncology
89	Lindane induced gene expression profiles in brain and blood lymphocytes as biomarkers of exposure and effect.	
	Principal Investigator Dr Devendra Parmar Scientist-II, Industrial Toxicology Research Centre, P.O.Box 80, M. G. Marg, Lucknow-226001	Funded by ICMR under Indo-German Programme Date of approval September 12, 2007 Total budget Rs. 43,12,140 Duration 24 Months Subject Area Genetics

S.no.	Details of the project	
90	Molecular genetic characterization of Salmonella strains associated with seafoods with particular emphasis on virulence associated and environmental fitness genes.	
	<p>Principal Investigator Dr. Indrani Karunasagar Professor & Head, Karnataka Veterinary, Animal and Fisheries Sciences University College of Fisheries, Mangalore-575002</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 25,72,528</p> <p>Duration 24 Months</p> <p>Subject Area Diarrhoeal Diseases</p>
91	To evaluate the role of innate immune responses in HIV infection and disease progression with special reference to NK cells and plasmacytoid dendritic cells.	
	<p>Principal Investigator Dr. Sunil K Arora Additional Professor, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 87,15,000</p> <p>Duration 36 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
92	Longitudinal study of TB Patients and their healthy PPD+ house hold contacts for determining the immunological signature of the diseased state.	
	<p>Principal Investigator Dr. Beenu Joshi Assistant Director, National JALMA Institute for Leprosy, Taj Ganj, Agra-282001</p>	<p>Funded by ICMR under Indo-German Programme</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 38,61,488</p> <p>Duration 24 Months</p> <p>Subject Area Tuberculosis</p>

S.no.	Details of the project	
93	Screening of Indian and other medicinal plants for inhibitors of infection and inflammation.	
	Principal Investigator Dr. D Velmurugan Professor, University of Madras, Guindy Campus, Chennai-600025	Funded by ICMR under Indo-German Programme Date of approval September 12, 2007 Total budget Rs. 16,59,000 Duration 36 Months Subject Area Basic Sciences
94	A comparative evaluation of health status of workers working chrysotile mines/milling units versus workers in tremolite mines/ milling units.	
	Principal Investigator Dr. S K Dave Director, National Institute of Miners Health, Department of Mines, JNARDDC Campus, Pop. Wadi Police Station, Wadi, Nagpur -440023	Funded by ICMR under Indo-US Joint Statement (Environment & Occupational Health) Date of approval July 24, 2004 Total budget Rs. 15,75,000 Duration 24 Months Subject Area Environment & Occupational Health
95	Pilot hazardous substances emergency events surveillance system.	
	Principal Investigator Dr. H N Saiyed Director, National Institute of Occupational Health, Ahmedabad-380016	Funded by ICMR under Indo-US Joint Statement (Environment & Occupational Health) Date of approval November 01, 2004 Total budget Rs. 30,20,000 Duration 12 Months Subject Area Environment & Occupational Health

S.no.	Details of the project	
96	Fingerprints of blood cytochrome P450s (CYPs) biomarker of exposure and effect.	
	<p>Principal Investigator Dr. Y K Gupta Director, Industrial Toxicology Research Centre, M. G. Marg, Lucknow- 226001</p>	<p>Funded by ICMR under Indo-US Joint Statement (Environment & Occupational Health)</p> <p>Date of approval May 02, 2005</p> <p>Total budget Rs. 58,39,230</p> <p>Duration 36 Months</p> <p>Subject Area Environment & Occupational Health</p>
97	Assessment of feasibility of dust control devices for small silica flour milling units in India.	
	<p>Principal Investigator Dr. H N Saiyed Director, National Institute of Occupational Health, Ahmedabad-380016</p>	<p>Funded by ICMR under Indo-US Joint Statement (Environment & Occupational Health)</p> <p>Date of approval May 02, 2005</p> <p>Total budget Rs. 61,00,000</p> <p>Duration 36 Months</p> <p>Subject Area Environment & Occupational Health</p>
98	Studies on the spectrum and mechanism of liver disease in chronic arsenic toxicity.	
	<p>Principal Investigator Dr. Abhijit Chowdhury Institute of Post Graduate Medical Education & Research, 244, Acharya J C Bose Road, Kolkata 700020</p>	<p>Funded by ICMR under Indo-US Joint Statement (Environment & Occupational Health)</p> <p>Date of approval May 02, 2005</p> <p>Total budget Rs. 49,75,200</p> <p>Duration 36 Months</p> <p>Subject Area Environment & Occupational Health</p>

S.no.	Details of the project	
99	Reducing HIV risk in vulnerable populations : Rapid policy assessment and response.	
	<p>Principal Investigator Dr. Smarajit Jana Chief Technical Advisor, Durbar Mahila Samanwaya Committee, 44 Balaram Dey Street, Kolkata</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 13,83,480</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
100	Incidence of HIV infection in a cohort of injection drug users.	
	<p>Principal Investigator Dr. Sunil Suhas Solomon Medical Officer and Epidemiologist, YRG Care, Voluntary Health Services, Taramani, Chennai-600113</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 10,22,008</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
101	Adaptation of an effective US adolescent HIV prevention program for Goa, India.	
	<p>Principal Investigator Dr. Arvind V Salelkar Director, Directorate of Health Services, Campal, Panaji, Goa</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 9,58,888</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
102	Studies on antiretroviral drug resistance in genital secretions and in plasma.	
	<p>Principal Investigator Dr. N Kumarasamy Chief Medical Officer, YRG Care, Voluntary Health Services, Taramani, Chennai-600113</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 40,99,382</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
103	Comparative analysis of diffuse large B cell lymphoma (DLBL) in HIV/AIDS vs those in immuno competent patients from India and in west.	
	<p>Principal Investigator Dr. Tanuja Shet Professor, Tata Memorial Hospital, Dr. E. Borges Marg, Parel, Mumbai-400012</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 29,33,148</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
104	HIV cervical cancer prevention research program.	
	<p>Principal Investigator Dr. Sanjay Mehendale Deputy Director, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 24,18,904</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
105	Brown / Tufts program for enhanced HIV prevention training of ICMR researchers.	
	<p>Principal Investigator Dr. Nomita Chandhiok Deputy Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi-110029</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 12,40,000</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
106	Reservoirs of drug resistant HIV -1: Impact of drug resistant HIV-1 reservoirs on efficacy of childhood ART.	
	<p>Principal Investigator Dr. N M Samuel Professor & Head, The Tamil Nadu Dr. M G R Medical University, No. 40, Anna Salai, Guindy, Chennai-600032</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 15,61,580</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
107	Development of ferrocene derived topoisomerase-II inhibitors as novel microbicide agents effective against HIV-1.	
	<p>Principal Investigator Dr. Anand K Kondapi Professor, Centre for Biotechnology and Department of Biochemistry, University of Hyderabad, Hyderabad 500046</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 27,99,450</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
108	Formative study of HIV prevention needs of HIV-infected persons in Gujarat, India.	
	<p>Principal Investigator Dr. Rajendra Baxi Associate Professor, Medical College, Vadodara</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 11,66,512</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
109	Alcohol use and transactional sex among HIV- infected adults in India.	
	<p>Principal Investigator Mr. Manoj Hirasingsh Pardeshi Global Adviser, Network of Maharashtra by People Living with HIV & Aids (NMP+), 401, Ganga Prestige Arcade, Plot 612/A, Nana Peth, Laxmi Road, Pune-411002</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 12,47,600</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
110	Reducing adolescent HIV infection in Maharashtra, India : A family based approach.	
	<p>Principal Investigator Dr. Ashabanu Soletti Assistant Professor, Centre of Health and Mental Health, School of Social Work, Tata Institute of Social Sciences, Sion Trombay Road, Deonar, Mumbai-400088</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 12,22,912</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
111	HPV infection in Indian HIV seropositive men.	
	<p>Principal Investigator Dr. Dilip Mathai Head, Christian Medical College & Hospital, Vellore 632004</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 37,16,706</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
112	Youth alcohol use and risky behaviour in India.	
	<p>Principal Investigator Dr. Vimla Nadkarni Dean, School of Social Work, Tata Institute of Social Sciences, Post Box 8313, Sion-Trombay Road, Mumbai-400088</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 7,02,668</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
113	Targeting mass media interventions for HIV, STD and pregnancy prevention in India.	
	<p>Principal Investigator Dr. Priyamvada Sameer Todankar PSI India, 18, Kumjai Co-op Society V.P. Road, Khotachi Wadi, Girgaum, Mumbai-400004</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 9,16,580</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
114	Acceptability of HIV risk reducing strategies among Indian couples.	
	<p>Principal Investigator Dr. Rashmi Bagga Associate Professor, Post Graduate Institute of Medical Education and Research , Sector 12-D, Chandigarh-160012</p>	<p>Funded by ICMR under Indo-US Joint Statement (HIV/AIDS & STD Prevention)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 15,55,800</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
115	The effectiveness of an integrated feeding and care intervention among 3-15 month old infants in Andhra Pradesh, India.	
	<p>Principal Investigator Dr. Shahnaz Vazir Assistant Director, National Institute of Nutrition, Jamia Osmania, Tarnaka, Hyderabad-500 007</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval May 08, 2003</p> <p>Total budget Rs. 92,53,257</p> <p>Duration 36 Months</p> <p>Subject Area Child Health</p>
116	Detection of lead toxicity, functional consequences and prevention.	
	<p>Principal Investigator Dr. B Dinesh Kumar Sr. Research Officer, Food and Drug Toxicology Research Centre, National Institute of Nutrition, Jamia Osmania, Tarnaka, Hyderabad</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval May 08, 2003</p> <p>Total budget \$ 9,57,43</p> <p>Duration 24 Months</p> <p>Subject Area Environment & Occupational Health</p>

S.no.	Details of the project	
117	Bioavailability of iron and zinc in representative Indian and US diets.	
	<p>Principal Investigator Dr. Madhavan Nair Senior Research Officer, National Institute of Nutrition, Jamia Osmania, Tarnaka, Hyderabad-500 007</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval May 08, 2003</p> <p>Total budget Rs. 25,34,240</p> <p>Duration 24 Months</p> <p>Subject Area Nutrition</p>
118	Congenital Cytomegalovirus (CMV) infection in offspring of immune mothers.	
	<p>Principal Investigator Dr. Lalit Dar Associate Professor, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval May 08, 2003</p> <p>Total budget Rs. 50,82,180</p> <p>Duration 36 Months</p> <p>Subject Area Virology</p>
119	Acute respiratory viral infections in a rural India.	
	<p>Principal Investigator Dr. Shobha Broor Professor & Head, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 43,08,139</p> <p>Duration 24 Months</p> <p>Subject Area Virology</p>

S.no.	Details of the project	
120	Innate and adaptive immunity in children starting antiretroviral drugs in India.	
	<p>Principal Investigator Dr. Soumya Swaminathan Deputy Director, Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 22,43,320</p> <p>Duration 24 Months</p> <p>Subject Area Child Health</p>
121	Understanding the role of vitamin carrier proteins in ovarian epithelial carcinoma.	
	<p>Principal Investigator Dr. Anjali Karande Associate Professor, Indian Institute of Sciences, Banaglore-560012</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 21,02,554</p> <p>Duration 24 Months</p> <p>Subject Area Oncology</p>
122	Localization and cloning of the obesity gene in WNIN / Ob mutant rat.	
	<p>Principal Investigator Dr. N V Giridharan Deputy Director, National Centre for Laboratory Animal Sciences, National Institute of Nutrition, Hyderabad-500007</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 39,60,960</p> <p>Duration 36 Months</p> <p>Subject Area Genetics</p>

S.no.	Details of the project	
123	LC-PUFA status and birth outcome in India.	
	<p>Principal Investigator Dr. Bhushan Patwardhan Professor & Director, Interdisciplinary School of Health Sciences, University of Pune, Pune -411007</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 30,81,200</p> <p>Duration 24 Months</p> <p>Subject Area Reproductive Health</p>
124	Burden of malaria in pregnancy in India.	
	<p>Principal Investigator Dr. Neeru Singh Deputy Director(SG) & Officer in Charge, National Institute of Malaria Research Field Station, RMRC Campus, Nagpur Road, Garha, Jabalpur 482003</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 80,00,382</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>
125	Randomised trial of Vitamin B12 in pregnant Indian women.	
	<p>Principal Investigator Dr. Sumithra Muthayya Assistant Professor, Institute of Population Health and Clinical Research, St. Johns Medical College, Bangalore-560034</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 57,60,540</p> <p>Duration 24 Months</p> <p>Subject Area Nutrition</p>

S.no.	Details of the project	
126	DC-SIGN and DC-SIGNR genetic variations and HIV transmission in India.	
	<p>Principal Investigator Dr. Akhil C Banerjea Staff Scientist VI, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi-110067</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 36,70,000</p> <p>Duration 24 Months</p> <p>Subject Area Genetics</p>
127	Joint Indo-US study of lactobacillus and its phages in bacterial vaginosis.	
	<p>Principal Investigator Dr. L S Chitra Karat Head, CSI Holdsworth Memorial Hospital, Mandi Mohalla, Mysore-570021</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 14,14,640</p> <p>Duration 24 Months</p> <p>Subject Area Reproductive Health</p>
128	Mechanisms for relations of domestic violence to poor maternal and infant health.	
	<p>Principal Investigator Mr. Balaiah Donta Deputy Director (SG), National Institute for Research in Reproductive Health, Jehangir Merwanji Road, Parel, Mumbai- 400012</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 44,03,520</p> <p>Duration 24 Months</p> <p>Subject Area Social & Behavioural Research</p>

S.no.	Details of the project	
129	Community based approach to designing an AIDS Program for HIV+ mothers in India.	
	<p>Principal Investigator Dr. Soumya Swaminathan Deputy Director, Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031</p>	<p>Funded by ICMR under Indo-US Joint Statement (Maternal and Child Health & Human Development Research)</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 15,84,880</p> <p>Duration 24 Months</p> <p>Subject Area Reproductive Health</p>
130	The mosquito-vector of filariasis: Resistance to bacterial insecticide.	
	<p>Principal Investigator Dr. S Poopathi Sr. Research Officer, Centre for Research in Medical Entomology, 4, Sarojani Street, Chinnachokkikulam, Madurai-625002</p>	<p>Funded by Indo-French Centre for the Promotion of Advance Research, India</p> <p>Date of approval July 06, 2000</p> <p>Total budget Rs. 40,57,240</p> <p>Duration 36 Months</p> <p>Subject Area Filariasis</p>
131	Indo-French collaborative studies on genetics of host /virus relationship for mother to child transmission of HIV-1 infection.	
	<p>Principal Investigator Dr. R S Paranjape Officer In Charge, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by Indo-French Centre for the Promotion of Advance Research, India</p> <p>Date of approval July 06, 2000</p> <p>Total budget Rs. 9,12,200</p> <p>Duration 36 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
132	Immunogenetic analysis of murine anti-microfilarial immunity.	
	<p>Principal Investigator Dr. Anna George Staff Scientist V, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi-110067</p>	<p>Funded by Indo-French Centre for the Promotion of Advance Research, India</p> <p>Date of approval September 10, 2001</p> <p>Total budget \$ 46,07,500</p> <p>Duration 36 Months</p> <p>Subject Area Filariasis</p>
133	Purification, characterization and mode of action of a new bacterial toxin biocide for mosquito larvae and pupae.	
	<p>Principal Investigator Dr. K Balaraman Deputy Director, Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by Indo-French Centre for the Promotion of Advance Research, India</p> <p>Date of approval March 08, 2002</p> <p>Total budget Rs. 40,14,400</p> <p>Duration 36 Months</p> <p>Subject Area Filariasis</p>
134	Molecular systematics of Indian sandflies.	
	<p>Principal Investigator Dr. Diwakar Singh Dinesh Research Assistant, Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, Patna-800007</p>	<p>Funded by Indo-French Centre for the Promotion of Advance Research, India</p> <p>Date of approval March 08, 2002</p> <p>Total budget Rs. 1,26,48,000</p> <p>Duration 36 Months</p> <p>Subject Area Leishmaniasis</p>

S.no.	Details of the project	
135	Direct Identification of Leptospira by PCR.	
	<p>Principal Investigator Dr. S C Sehgal Director, National Leptospirosis Reference Centre, Regional Medical Research Centre, Post Bag No. 13, Port Blair-744101</p>	<p>Funded by Indo-French Centre for the Promotion of Advance Research, India</p> <p>Date of approval February 25, 2003</p> <p>Total budget Rs. 21,72,780</p> <p>Duration 36 Months</p> <p>Subject Area Parasitic Infections</p>
136	Infection imaging with special reference to tuberculosis.	
	<p>Principal Investigator Dr. T Lazar Mathew Director, Institute of Nuclear Medicine & Allied Sciences, Lucknow Marg, Delhi-110054</p>	<p>Funded by Indo-Italian programme</p> <p>Date of approval September 10, 2001</p> <p>Total budget Nil</p> <p>Duration 36 Months</p> <p>Subject Area Tuberculosis</p>
137	A mathematical model on immuno-epidemiology of malaria.	
	<p>Principal Investigator Dr. Aaruna Srivastava Assistant Director, Malaria Research Centre, 20, Madhuban, Delhi-110092</p>	<p>Funded by Indo-Russia Integrated Long-Term Program(ILTP), Russia</p> <p>Date of approval July 06, 2000</p> <p>Total budget Rs. 30,70,000</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>

S.no.	Details of the project	
138	A double blind, randomized, multi-centre, three-arm study to assess the safety and efficacy of paromomycin base administered intramuscularly at three different dosing regimens (11mg/kg/day for 14 days, 15 mg/kg/day for 14 days, and 11 mg/kg/day for 21 day) for the treatment of visceral Leishmaniasis (VL) in India.	
	Principal Investigator Dr. P K Sinha Deputy Director, Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, Patna-800007	Funded by Institute for One World Health,USA Date of approval October 18, 2005 Total budget Rs. 1,46,16,000 Duration 24 Months Subject Area Leishmaniasis
139	An assessment of the economic and social burden of kala-azar - a pilot program in one district of Bihar.	
	Principal Investigator Dr. Pradeep Das Director, Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, Patna-800007	Funded by Institute for One World Health,USA Date of approval April 28, 2006 Total budget Rs. 28,52,126 Duration 6 Months Subject Area Leishmaniasis
140	A Phase IV study to expand access while assessing the safety and efficacy of paromomycin injection in an outpatient setting for the treatment of Visceral Leishmaniasis(VL) in India.	
	Principal Investigator Dr. P K Sinha Deputy Director, Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, Patna-800007	Funded by Institute for One World Health,USA Date of approval August 09, 2006 Total budget Rs. 4,40,49,638 Duration 24 Months Subject Area Leishmaniasis

S.no.	Details of the project	
141	A phase IV study to expand access while assessing the safety and efficacy of paromomycin IM injection in an outpatient setting for the treatment of visceral leishmaniasis in India.	
	<p>Principal Investigator</p> <p>Dr. P K Sinha Deputy Director, Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, Patna-800007</p>	<p>Funded by</p> <p>Institute for One World Health,USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 4,40,49,638</p> <p>Duration 24 Months</p> <p>Subject Area Leishmaniasis</p>
142	A randomized, double blind, multi-center, comparative study of Rifaximin Vs. placebo Vs.Ciprofloxin in the treatment of traveler's diarrhea due to enteropathogenic organism.	
	<p>Principal Investigator</p> <p>Dr. R K Nandy Research Officer, ICMR Virus Unit Kolkata, ID & BG Hospital Campus, 57 S. C. Banerjee Road, Beliaghata, Kolkata-700010</p>	<p>Funded by</p> <p>Institute of Social and Preventive Medicine (ISPM), Switzerland</p> <p>Date of approval February 25, 2003</p> <p>Total budget Rs. 5,00,000</p> <p>Duration 12 Months</p> <p>Subject Area Diarrhoeal Diseases</p>
143	Development of modified vaccinia ankara based HIV vaccine for use in Indian population.	
	<p>Principal Investigator</p> <p>Dr. Ramesh S Paranjape Officer In Charge, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by</p> <p>International AIDS Vaccine Initiative, USA</p> <p>Date of approval December 08, 2000</p> <p>Total budget Rs. 1,08,18,000</p> <p>Duration 36 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
144	A phase 1 randomised, placebo-controlled double-blind dose-escalation trial to evaluate the safety and immunogenicity of tgAAC09, a gag-PR-RT AAV HIV vaccine.	
	<p>Principal Investigator</p> <p>Dr. Sanjay Mehendale</p> <p>Deputy Director, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by</p> <p>International AIDS Vaccine Initiative, USA</p> <p>Date of approval November 24, 2004</p> <p>Total budget Rs. 2,46,15,798</p> <p>Duration 36 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
145	A randomized, placebo-controlled, dosage-escalating phase I double-blinded study to evaluate the safety and immunogenicity of TBC-M4 Modified Vaccinia Ankara (MVA) HIV-1 multigenic subtype C vaccine in HIV-uninfected, healthy volunteers.	
	<p>Principal Investigator</p> <p>Dr V D Ramanathan</p> <p>Deputy Director, Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031</p>	<p>Funded by</p> <p>International AIDS Vaccine Initiative, USA</p> <p>Date of approval August 17, 2005</p> <p>Total budget Rs. 4,44,10,000</p> <p>Duration 36 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
146	Role of nutrients in environmental toxicity.	
	<p>Principal Investigator</p> <p>Dr. Dinesh Kumar</p> <p>Sr. Research Officer, National Institute of Nutrition, Jamia Osmania, Tarnaka, Hyderabad-500 007</p>	<p>Funded by</p> <p>International Atomic Energy Agency (IAEA), Austria</p> <p>Date of approval November 05, 2002</p> <p>Total budget \$ 27,126</p> <p>Duration 36 Months</p> <p>Subject Area Environment & Occupational Health</p>

S.no.	Details of the project	
147	A phase III trial evaluating the role of exemestane plus GnRH analogue as adjuvant therapy for pre-menopausal women with endocrine responsive breast cancer (TEXT-Tamoxifen and Exemestane trial).	
	Principal Investigator Dr. Vani Parmar Assistant Surgeon, Tata Memorial Hospital, Dr. E. Borges Marg, Parel, Mumbai-400012	Funded by International Breast Cancer Study Group (IBCSG), USA Date of approval August 09, 2006 Total budget Rs. 32,50,000 Duration 11 Years Subject Area Oncology
148	A phase III trial evaluating the role of chemotherapy as adjuvant therapy for pre-menopausal women with endocrine responsive breast cancer who receive endocrine therapy (PERCHE trial).	
	Principal Investigator Dr. Vani Parmar Assistant Surgeon, Tata Memorial Hospital, Dr. E. Borges Marg, Parel, Mumbai-400012	Funded by International Breast Cancer Study Group (IBCSG), USA Date of approval August 09, 2006 Total budget Rs. 32,50,000 Duration 11 Years Subject Area Oncology
149	A phase III trial evaluating the role of ovarian function suppression and the role of exemestane as adjuvant therapies for pre-menopausal women with endocrine responsive breast cancer (Suppression of Ovarian Function Trial - SOFT trial).	
	Principal Investigator Dr. Vani Parmar Assistant Surgeon, Tata Memorial Hospital, Dr. E. Borges Marg, Parel, Mumbai-400012	Funded by International Breast Cancer Study Group (IBCSG), USA Date of approval August 09, 2006 Total budget Rs. 32,50,000 Duration 11 Years Subject Area Oncology

S.no.	Details of the project	
150	Synthesis and structure activity studies of 5-hydroxy-2-methyl-1, 4-napthalene dione analogues for macrofilaricidal activity.	
	<p>Principal Investigator Dr. Nisha Mathew Technical Officer, Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by International Foundation for Science (IFS), Sweden</p> <p>Date of approval May 08, 2003</p> <p>Total budget \$ 12,000</p> <p>Duration 36 Months</p> <p>Subject Area Filariasis</p>
151	The treatment and characterization of acute lymphoblastic leukemia in children, adolescents and young adults.	
	<p>Principal Investigator Dr. Shripad Banavali Tata Memorial Hospital, Dr. E. Borges Marg, Parel, Mumbai-400012</p>	<p>Funded by International Network for Cancer Treatment and Research, Belgium</p> <p>Date of approval April 20, 2004</p> <p>Total budget Rs. 2,83,56,000</p> <p>Duration 36 Months</p> <p>Subject Area Oncology</p>
152	Neuroimaging in thyroid disorders and characterisation of thyroid nodules with color doppler studies.	
	<p>Principal Investigator Dr. Lazar Mathew Institute of Nuclear Medicine & Allied Sciences, Lucknow Marg, Delhi-110054</p>	<p>Funded by Istituti di ricovero e cura a carattere scientifico (IRCCS), Italy</p> <p>Date of approval March 08, 2002</p> <p>Total budget Nil</p> <p>Duration 24 Months</p> <p>Subject Area Endocrinology</p>

S.no.	Details of the project	
153	Comparative study of MRCP versus ERCP in the evaluation and management of malignant tumors at the porta hepatis.	
	<p>Principal Investigator</p> <p>Dr. Sudha Suri Professor & Head, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by</p> <p>Istituti di ricovero e cura a carattere scientifico (IRCCS), Italy</p> <p>Date of approval March 08, 2002</p> <p>Total budget Rs. 2,50,000</p> <p>Duration 24 Months</p> <p>Subject Area Oncology</p>
154	Evaluation of modern mammographic techniques for breast cancer detection and diagnosis.	
	<p>Principal Investigator</p> <p>Dr. Meenakshi Thakur Associate Professor, Tata Memorial Hospital, Dr. E. Borges Marg, Parel, Mumbai-400012</p>	<p>Funded by</p> <p>Istituti di ricovero e cura a carattere scientifico (IRCCS), Italy</p> <p>Date of approval March 08, 2002</p> <p>Total budget Not Mentioned</p> <p>Duration 24 Months</p> <p>Subject Area Oncology</p>
155	Development of techniques for high throughput detection of mutations and genotyping of SNPs in hemoglobinopathies, other hematological and multifactorial disorders.	
	<p>Principal Investigator</p> <p>Dr D Mohanty Director, Institute of Immunohaematology, 13th Floor, New Building, KEM Hospital campus, Parel, Mumbai-400012</p>	<p>Funded by</p> <p>Japan International Cooperation Agency (JICA), Japan</p> <p>Date of approval March 08, 2002</p> <p>Total budget Rs. 3,20,00,000</p> <p>Duration 36 Months</p> <p>Subject Area Haematology</p>

S.no.	Details of the project	
156	Prevention of emerging diarrhoeal diseases.	
	<p>Principal Investigator Dr. S K Bhattacharya Director, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010.</p>	<p>Funded by Japan International Cooperation Agency (JICA), Japan</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 55,00,000</p> <p>Duration 60 Months</p> <p>Subject Area Diarrhoeal Diseases</p>
157	Evaluation of three component injecting drug users intervention in India.	
	<p>Principal Investigator Dr. Luke Samson Director, Sharan Society for Services to Urban Poverty, C - 43, Neeti Bagh, New Delhi-110049</p>	<p>Funded by Johns Hopkins University, USA</p> <p>Date of approval May 08, 2003</p> <p>Total budget \$ 9,64,699</p> <p>Duration 48 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
158	Vaccine probe study to estimate the burden of Hib meningitis and pneumonia preventable by vaccination in India- Part A.	
	<p>Principal Investigator Dr. Lalit Kant Sr. Dy. Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi-110029</p>	<p>Funded by Johns Hopkins University, USA</p> <p>Date of approval November 01, 2004</p> <p>Total budget Rs. 4,31,12,500</p> <p>Duration 15 Months</p> <p>Subject Area Influenza</p>

S.no.	Details of the project	
159	Role of CNS opportunistic infections in subsequent development of HIV encephalitis.	
	Principal Investigator Dr. S K Shankar Professor, National Institute of Mental Health & Neuro Sciences, Bangalore 560029	Funded by Johns Hopkins University, USA Date of approval March 19, 2007 Total budget Rs. 1,97,36,735 Duration 60 Months Subject Area HIV/AIDS/ STD
160	A phase III comparative, open-label, randomised, multi-centre, clinical study to assess the safety and efficacy of fixed dose formulation oral pyronaridine artesunate (180:60mg tablet) versus mefloquine (250 mg tablet) plus artesunate (100 mg tablet) in children and adult patients with acute uncomplicated P.falciparum malaria.	
	Principal Investigator Dr. A P Dash Director, National Institute of Malaria Research, 22 Sham Nath Marg, Delhi-110054	Funded by Malaria Medicine Venture, Geneva Date of approval September 12, 2007 Total budget Rs. 60,96,020 Duration 12 Months Subject Area Malaria
161	A Phase III multi-centre, randomized double-blind, double-dummy, comparative clinical study to assess the safety and efficacy of a fixed-dose formulation of oral pyronaridine artesunate (180:60 mg tablet) versus chloroquine (155 mg tablet), in children and adult patients with acute P.Vivax malaria.	
	Principal Investigator Dr. A P Dash Director, National Institute of Malaria Research, 22 Sham Nath Marg, Delhi-110054	Funded by Malaria Medicine Venture, Geneva Date of approval September 12, 2007 Total budget Rs. 38,10,020 Duration 12 Months Subject Area Malaria

S.no.	Details of the project	
162	Development of a service delivery model for prevention of nutritional anemia among rural adolescent girls.	
	<p>Principal Investigator</p> <p>Dr. Padam Singh Addl. Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi-110029</p>	<p>Funded by</p> <p>Management of Social Transformations (MOST) Programme</p> <p>Date of approval September 10, 2001</p> <p>Total budget Rs. 90,38,000</p> <p>Duration 36 Months</p> <p>Subject Area Nutrition</p>
163	Zyban as an Effective Smoking Cessation Aid for patients following an acute coronary syndrome: The ZESCA Trial.	
	<p>Principal Investigator</p> <p>Dr. K S Reddy Professor & Head, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by</p> <p>McGill University, Canada</p> <p>Date of approval October 31, 2006</p> <p>Total budget Rs. 2,30,000</p> <p>Duration 36 Months</p> <p>Subject Area Cardiovascular Diseases</p>
164	To elucidate the molecular basis of recurrent hydatidiform moles in India.	
	<p>Principal Investigator</p> <p>Dr. Rashmi Bagga Associate Professor, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by</p> <p>McGill University, Canada</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 4,00,000</p> <p>Duration 12 Months</p> <p>Subject Area Reproductive Health</p>

S.no.	Details of the project	
165	Interheart- a global study of risk factors in acute myocardial infarction.	
	<p>Principal Investigator Dr. Prem Pais Professor & Head, St. Johns Medical College and Institute of Population Health and Clinical Research, St. Johns National Academy of Health Sciences, Bangalore-560034</p>	<p>Funded by McMaster University, Canada</p> <p>Date of approval July 10, 2002 Total budget Not Mentioned Duration 36 Months Subject Area Cardiovascular Diseases</p>
166	The POISE study - Peri Operative Ischemic Evaluation study.	
	<p>Principal Investigator Dr. Prem Pais Professor & Head, St. Johns Medical College and Institute of Population Health and Clinical Research, St. Johns National Academy of Health Sciences, Bangalore-560034</p>	<p>Funded by McMaster University, Canada</p> <p>Date of approval November 01, 2004 Total budget Rs. 1,41,80,000 Duration 24 Months Subject Area Cardiovascular Diseases</p>
167	To reduce morbidity and mortality due to kala azar in Vaishali district, Bihar, India.	
	<p>Principal Investigator Dr. P K Sinha Deputy Director, Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, Patna-800007</p>	<p>Funded by Medecins Sans Frontieres, Spain</p> <p>Date of approval April 28, 2006 Total budget Rs. 2,16,10,000 Duration 36 Months Subject Area Leishmaniasis</p>

S.no.	Details of the project	
168	Inflammation in japanese encephalitis and the role of IL-6.	
	<p>Principal Investigator Dr. V Ravi Professor & Head, National Institute of Mental Health & Neuro Sciences, Bangalore 560029</p>	<p>Funded by Medical Research Council, United Kingdom</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 26,00,000</p> <p>Duration 60 Months</p> <p>Subject Area Japanese Encephalitis</p>
169	Coronis trial: The International CAESAR Study : Caesarean section surgical techniques - a randomized factorial trial.	
	<p>Principal Investigator Dr. J B Sharma Assistant Professor, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by Medical Research Council, United Kingdom</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 68,27,272</p> <p>Duration 48 Months</p> <p>Subject Area Reproductive Health</p>
170	Coronis trial: The International CAESAR Study: Caesarean section surgical techniques - a randomized factorial trial.	
	<p>Principal Investigator Dr. Jiji Elizabeth Mathews Professor, Christian Medical College & Hospital, Vellore 632004</p>	<p>Funded by Medical Research Council, United Kingdom</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 76,12,733</p> <p>Duration 48 Months</p> <p>Subject Area Reproductive Health</p>

S.no.	Details of the project	
171	Surgical Trial in Lobar Intracerebral Haemorrhage (STICH-II).	
	<p>Principal Investigator Dr. B S Sharma Professor & Head, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by Medical Research Council, United Kingdom</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 10,43,700</p> <p>Duration 36 Months</p> <p>Subject Area Neurosciences</p>
172	Surgical Trial in Lobar Intracerebral Haemorrhage (STICH-II).	
	<p>Principal Investigator Dr. V K Khosla Head, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by Medical Research Council, United Kingdom</p> <p>Date of approval September 12, 2007</p> <p>Total budget Not Mentioned</p> <p>Duration 36 Months</p> <p>Subject Area Neurosciences</p>
173	Human papilloma virus 16 & 18 associated cancers in natural background radiation area of Kerala.	
	<p>Principal Investigator Dr. K Jayashree Regional Cancer Centre, Medical College P.O., Trivandrum, Kerala</p>	<p>Funded by Ministry of Education, Japan</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 12,00,000</p> <p>Duration 12 Months</p> <p>Subject Area Oncology</p>

S.no.	Details of the project	
174	Socio-Anthropological approach to HIV transmission from mother to child in India: The case of breast-feeding.	
	<p>Principal Investigator</p> <p>Medical Officer, YRG Care, Voluntary Health Services, Taramani, Chennai-600113</p>	<p>Funded by</p> <p>Ministry of Foreign Affairs, France</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 45,45,990</p> <p>Duration 24 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
175	Bacteriological and molecular analysis of Vibrio cholerae associated with endemic and epidemic cholera in Orissa.	
	<p>Principal Investigator</p> <p>Dr. G P Chhotray</p> <p>Deputy Director, Regional Medical Research Centre, Chandrasekharpur, Bhubneswar-751023</p>	<p>Funded by</p> <p>Ministry of Foreign Affairs, Japan</p> <p>Date of approval December 08, 2000</p> <p>Total budget Rs. 22,50,500</p> <p>Duration 12 Months</p> <p>Subject Area Diarrhoeal Diseases</p>
176	Phenotypic and genotypic characterization of common enteric pathogens isolated from diarrhoeal patients: A national study.	
	<p>Principal Investigator</p> <p>Dr. T Ramamurthy</p> <p>Deputy Director, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010.</p>	<p>Funded by</p> <p>Ministry of Health, Labour and Welfare, Japan</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 7,80,000</p> <p>Duration 36 Months</p> <p>Subject Area Diarrhoeal Diseases</p>

S.no.	Details of the project	
177	A phase III, randomized, non-inferiority trial, to assess the efficacy and safety of Dihydroartemisinin + Piperaquine (DHA+PQ, Artek) in comparison with Artesunate + Mefloquine (AS+MQ) in patients affected by acute, uncomplicated Plasmodium falciparum.	
	<p>Principal Investigator</p> <p>Dr. Neena Valecha Deputy Director, National Institute of Malaria Research, 22 Sham Nath Marg, Delhi-110054</p>	<p>Funded by</p> <p>MMV/Sigma Tau, Rome</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 55,83,820</p> <p>Duration 12 Months</p> <p>Subject Area Malaria</p>
178	An Integrated Malaria epidemic Early Warning System (IMEWS) for Mewat, Haryana.	
	<p>Principal Investigator</p> <p>Dr. Aruna Srivastava Deputy Director, Malaria Research Centre, 20, Madhuban, Delhi-110092</p>	<p>Funded by</p> <p>National Aeronautics and Space Administration (NASA), USA</p> <p>Date of approval May 02, 2005</p> <p>Total budget Rs. 79,82,114</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>
179	Reproductive patterns, sex ratio at birth and perinatal outcomes in rural Tamil Nadu, South India - 10 years follow up study with comparisons among communities in Assam, India and Indian immigrants in Denmark.	
	<p>Principal Investigator</p> <p>Dr. Rita Isaac Reader, Rural Unit for Health and Social Affairs, Christian Medical College, Vellore 632209</p>	<p>Funded by</p> <p>National Council of Medical Research, Denmark</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 9,62,480</p> <p>Duration 24 Months</p> <p>Subject Area Reproductive Health</p>

S.no.	Details of the project	
180	Impact assessment of the frontiers HIV/AIDS prevention program in Andhra Pradesh, India.	
	<p>Principal Investigator Dr. Lalit Dandona Director, Administrative Staff College of India, Bella Vista, Raj Bhavan Road, Hyderabad-500082</p>	<p>Funded by National Institute of Public Health, Mexico, USA</p> <p>Date of approval November 05, 2002</p> <p>Total budget \$ 3,45,000</p> <p>Duration 60 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
181	Resistant starch: Adjunct to oral rehydration solution.	
	<p>Principal Investigator Dr. B S Ramakrishna Professor, Christian Medical College & Hospital, Vellore 632004</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval March 13, 2000</p> <p>Total budget \$ 80,000</p> <p>Duration 24 Months</p> <p>Subject Area Diarrhoeal Diseases</p>
182	NIMH collaborative HIV/STD prevention trial.	
	<p>Principal Investigator Dr. Suniti Solomon Director, YRG Care, 1, Raman Street, T. Nagar, Chennai-600017</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval March 13, 2000</p> <p>Total budget \$ 11,91,093</p> <p>Duration 60 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
183	HIV Prevention Trial Unit (HPTU) at Pune, India under HIV Prevention Trial Network (HPTN).	
	<p>Principal Investigator Dr. Sanjay Mehendale Deputy Director, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval July 06, 2000 Total budget \$ 22,47,594 Duration 60 Months Subject Area HIV/AIDS/ STD</p>
184	HIV Vaccine Trial Unit (HVTU) proposal for Indian participation in multinational consortium of clinical trial units for the HIV Vaccine Trial Network(HVTN).	
	<p>Principal Investigator Dr. R S Paranjape Officer In Charge, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval July 06, 2000 Total budget \$ 3,33,929 Duration 60 Months Subject Area HIV/AIDS/ STD</p>
185	Kinetics of 200kDa amastigote specific antigen of Leishmania donovani in tissues of experimental animals using specific monoclonal antibody and identification of gene encoding the 200 kDa antigen.	
	<p>Principal Investigator Dr. Nancy Malla Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval May 03, 2001 Total budget Not Required Duration 36 Months Subject Area Leishmaniasis</p>

S.no.	Details of the project	
186	Prevention of maternal to infant HIV transmission in India.	
	<p>Principal Investigator Dr. M A Phadke Director, Dental Medical College, IV Floor, St. George Hospital Compound, Mumbai-400001</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval May 03, 2001</p> <p>Total budget Rs. 19,26,512</p> <p>Duration 48 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
187	A randomized placebo-controlled trial of prophylactic misoprostol for prevention of postpartum haemorrhage at three primary health centres of Belgaum district, Karnataka.	
	<p>Principal Investigator Dr. Bhalachandra S Kodkany Professor, HRRC Centre-215 (ICMR), J N Medical College, Belgaum-590010</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval May 03, 2001</p> <p>Total budget \$ 23,37,798</p> <p>Duration 60 Months</p> <p>Subject Area Reproductive Health</p>
188	Evaluation of the immunological response to infection with non clade B human immunodeficiency virus-1 subtypes in India.	
	<p>Principal Investigator Dr. Soumya Swaminathan Deputy Director, Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval May 03, 2001</p> <p>Total budget \$ 90,000</p> <p>Duration 36 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
189	NIH-HIV prevention trial units.	
	<p>Principal Investigator Dr. Suniti Solomon Director, YRG Care, 1, Raman Street, T. Nagar, Chennai-600017</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval May 03, 2001</p> <p>Total budget \$ 5,68,317</p> <p>Duration 60 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
190	Prevention of infection in Indian neonates.	
	<p>Principal Investigator Dr. V K Paul Additional Professor, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 10, 2001</p> <p>Total budget \$ 7,500</p> <p>Duration 60 Months</p> <p>Subject Area Child Health</p>
191	HIV prevention intervention with Indian truck drivers.	
	<p>Principal Investigator Mr. T Joseph Benziger Managing Trustee, Benziger, Benziger Foundation, Benziger Centre, 37 Natesan Street, T. Nagar, Chennai-600117</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 10, 2001</p> <p>Total budget \$ 1,50,000</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
192	HIV 1 and HIV 2 co-infection neurological progression.	
	<p>Principal Investigator Dr. P Satishchandra Professor, National Institute of Mental Health & Neuro Sciences, Bangalore 560029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 5,93,020</p> <p>Duration 60 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
193	Understanding HIV-Relevant stigma in health care settings in India.	
	<p>Principal Investigator Dr. Nita Mawar Assistant Director, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval March 08, 2002</p> <p>Total budget Rs. 26,04,750</p> <p>Duration 24 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
194	Natural infection by SIV in Indian primates.	
	<p>Principal Investigator Dr. Jayashree S Nandi Assistant Director & Head, National Institute of Virology, 20-A, Dr.Ambedkar Road, Pune-411001</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 3,00,240</p> <p>Duration 24 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
195	Behavioural dynamics of HIV/ AIDS in Uttar Pradesh, India.	
	<p>Principal Investigator Dr. K K Singh Lecturer, Faculty of Science, Banaras Hindu University, Varanasi- 221005</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 25,000</p> <p>Duration 36 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
196	An intervention for male STD patients in India.	
	<p>Principal Investigator Dr. H R Jerajani Professor & Head, STI & Leprosy, LTMM College & LTMG Hospital, Sion, Mumbai</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 54,000</p> <p>Duration 48 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
197	Phase I safety and acceptability study of the investigational vaginal microbicide (PRO 2000/5 Ge:P).	
	<p>Principal Investigator Dr. Sanjay Mehendale Deputy Director, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval July 10, 2002</p> <p>Total budget \$ 42,605</p> <p>Duration 6 Months</p> <p>Subject Area Reproductive Health</p>

S.no.	Details of the project	
198	Centrally coordinated bioethics programme for India.	
	<p>Principal Investigator Dr. Nandini K Kumar Assistant Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi-110029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval July 10, 2002</p> <p>Total budget \$ 50,000</p> <p>Duration 24 Months</p> <p>Subject Area Bioethics</p>
199	Caregiver training in South India.	
	<p>Principal Investigator Dr. Mathew Varghese Additional Professor, National Institute of Mental Health & Neuro Sciences, Bangalore 560029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval November 05, 2002</p> <p>Total budget Rs. 47,07,640</p> <p>Duration 36 Months</p> <p>Subject Area Neurosciences</p>
200	Genetic susceptibility in schizophrenia.	
	<p>Principal Investigator Dr. Smita N Deshpande Senior Psychiatrist, Dr. Ram Manohar Lohia Hospital, New Delhi</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval November 05, 2002</p> <p>Total budget \$ 6,43,209</p> <p>Duration 60 Months</p> <p>Subject Area Mental Health</p>

S.no.	Details of the project	
201	Male sexual health concerns and prevention of HIV/STDs in India.	
	<p>Principal Investigator Dr. Ravi K Verma Professor & Head, International Institute for Population Sciences, Govandi Station Road, Deonar, Mumbai-400088</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval February 25, 2003</p> <p>Total budget Rs. 1,57,70,910</p> <p>Duration 60 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
202	Marijuana abuse: Cognition, neuroimaging and endocrines.	
	<p>Principal Investigator Dr. Sudesh Prabhakar Professor & Head, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval May 08, 2003</p> <p>Total budget \$ 98,000</p> <p>Duration 24 Months</p> <p>Subject Area Neurosciences</p>
203	Cost and efficiency of HIV prevention programs in Andhra Pradesh.	
	<p>Principal Investigator Dr. Lalit Dandona Director, Administrative Staff College of India, Bella Vista, Raj Bhavan Road, Hyderabad-500082</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval May 08, 2003</p> <p>Total budget \$ 1,30,000</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
204	A phase III, randomised, open-label evaluation of the efficacy of three nucleoside reverse transcriptase inhibitor combinations for initial anti-retroviral treatment of HIV-1 infected persons in resource limited countries.	
	<p>Principal Investigator Dr. Srikanth Tripathy Assistant Director, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval May 08, 2003</p> <p>Total budget Rs. 2,04,10,720</p> <p>Duration 60 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
205	Gender, power and susceptibility to STIs/HIV in India.	
	<p>Principal Investigator Dr. Sanghamitra Iyengar Director, Samraksha (HIV Sector), Samuha, 134, 3rd Floor, IST Block, Ranka Part Apartments, Bangalore -560027</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 24, 2003</p> <p>Total budget \$ 8,50,762</p> <p>Duration 60 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
206	Nutritional status of HIV positive and HIV negative injection drug users in India.	
	<p>Principal Investigator Dr. M D Gupte Director, National Institute of Epidemiology, Mayor V.R. Ramanathan Road, Post Box No. 2577, Chetput, Chennai-600031</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 24, 2003</p> <p>Total budget Rs. 15,99,551</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
207	Attenuated B7 expression on infected macrophages may lead to tuberculosis disease susceptibility (The role of B7 class of co-stimulatory molecules in Cd95-mediated Th1 apoptosis during tuberculosis infection and its effect on disease susceptibility).	
	Principal Investigator Dr. P R Narayanan Director, Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031	Funded by National Institutes of Health, USA Date of approval September 24, 2003 Total budget Rs. 69,00,000 Duration 60 Months Subject Area Tuberculosis
208	Comparative genomics of M.tuberculosis.	
	Principal Investigator Dr. Sujatha Narayanan Deputy Director, Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031	Funded by National Institutes of Health, USA Date of approval September 24, 2003 Total budget Rs. 1,15,00,000 Duration 60 Months Subject Area Tuberculosis
209	Immunological consequences of helminth and mycobacterial co-infection and host response to infection and treatment in lymphatic filarial disease.	
	Principal Investigator Dr. V Kumaraswmi Deputy Director (SG), Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031	Funded by National Institutes of Health, USA Date of approval September 24, 2003 Total budget Rs. 85,00,000 Duration 60 Months Subject Area Filariasis

S.no.	Details of the project	
210	WHO multi-country study-economic and environmental factors, nutrition and non-communicable diseases in countries in transition (DANCE).	
	<p>Principal Investigator Dr. K S Reddy Professor & Head, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 24, 2003</p> <p>Total budget \$ 6,50,091</p> <p>Duration 60 Months</p> <p>Subject Area Cardiovascular Diseases</p>
211	Medical Migration.	
	<p>Principal Investigator Dr. Vasantha Muthuswamy Sr. Dy. Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi-110029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 24, 2003</p> <p>Total budget Rs. 1,25,000</p> <p>Duration 6 Months</p> <p>Subject Area Bioethics</p>
212	Advance(Action in Diabetes and Vascular Diseases): A factorial Randomized trial of blood pressure lowering with a fixed low dose perindropil-indapamide combination and intensive glucose control with a modified released gliclazide based on regimen for the prevention of vascular disease among high risk individuals with type - II diabetes.	
	<p>Principal Investigator Dr. Nikhil Tandon Professor, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 24, 2003</p> <p>Total budget Rs. 45,00,000</p> <p>Duration 48 Months</p> <p>Subject Area Cardiovascular Diseases/ Diabetes</p>

S.no.	Details of the project	
213	Training programme for psychiatric genetics in India.	
	<p>Principal Investigator Dr. Smita N Deshpande Sr. Psychiatrist, Dr. Ram Manohar Lohia Hospital, New Delhi-110001</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval February 28, 2004</p> <p>Total budget \$ 16,16,183</p> <p>Duration 60 Months</p> <p>Subject Area Mental Health</p>
214	Age related cognitive loss in Mumbai, India.	
	<p>Principal Investigator Dr. C Pinto Professor, B.Y.L. Nair Hospital, A.L. Nair Road, Mumbai-400008</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval February 28, 2004</p> <p>Total budget \$ 1,00,000</p> <p>Duration 24 Months</p> <p>Subject Area Neurosciences</p>
215	A randomized trial to evaluate the effectiveness of antiretroviral therapy plus HIV primary care versus HIV primary care alone to prevent the sexual transmission of HIV-I in serodiscordant couples.	
	<p>Principal Investigator Dr. Sanjay Mehendale Deputy Director, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval February 28, 2004</p> <p>Total budget \$ 5,09,208</p> <p>Duration 60 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
216	Cerebral Malaria(CM) associated neurological disorders in India.	
	<p>Principal Investigator Dr. Neeru Singh Officer In Charge, Malaria Research Centre Field Station, RMRCT Complex, Nagpur Road, Gahra, Jabalpur -482003</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 46,00,000</p> <p>Duration 24 Months</p> <p>Subject Area Neurosciences</p>
217	Examining ART adherence issues in Bangalore, India.	
	<p>Principal Investigator Dr. Sara Chandy Assistant Professor, St. Johns Medical College and Institute of Population Health and Clinical Research, St. Johns National Academy of Health Sciences, Bangalore-560034</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval February 28, 2004</p> <p>Total budget \$ 1,75,000</p> <p>Duration 36 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
218	Behavioural secondary HIV prevention study in Chennai.	
	<p>Principal Investigator Dr. Suniti Solomon Director, YRG Care, 1, Raman Street, T. Nagar, Chennai-600017</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 23,31,238</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
219	Population drinking patterns & HIV risk behaviours in Goa, India.	
	<p>Principal Investigator Dr. Vikram Patel Chairperson, Sangath Centre, 841/1 Alto Porvorim, Goa-403521</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval April 20, 2004 Total budget Rs. 1,12,62,980 Duration 36 Months Subject Area HIV/AIDS/ STD</p>
220	STEP: An alcohol and HIV prevention education program.	
	<p>Principal Investigator Dr. Yusuf Merchant President, Drug Abuse Information, Rehabilitation and Research Centre, H-1, Sitaram Building, Palton Road, Mumbai-400001</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval April 20, 2004 Total budget Rs. 92,92,000 Duration 36 Months Subject Area HIV/AIDS/ STD</p>
221	Metapneumovirus infections of children in India.	
	<p>Principal Investigator Dr. Shobha Broor Professor, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval April 20, 2004 Total budget Rs. 47,24,358 Duration 24 Months Subject Area Child Health</p>

S.no.	Details of the project	
222	Cellular tropism and reservoir in brain with HIV1 clade C.	
	<p>Principal Investigator Dr. S K Shankar Professor, National Institute of Mental Health & Neuro Sciences, Bangalore 560029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval July 24, 2004 Total budget Rs. 19,12,500 Duration 24 Months Subject Area HIV/AIDS/ STD</p>
223	Ayurvedic Centre for collaborative research.	
	<p>Principal Investigator Dr. P R Krishna Kumar Managing Trustee, The Ayurvedic Trust, P O Box 7102, Trichy Road, Coimbatore 641045</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval July 24, 2004 Total budget Rs. 65,00,000 Duration 24 Months Subject Area Ayurveda</p>
224	A prospective cohort study of the seroprevalence of and interventions to decrease the risk of mother-to-child transmission of Human Immunodeficiency Virus Type-1(HIV) in Tamil Nadu.	
	<p>Principal Investigator Dr. N M Samuel Professor & Head, The Tamil Nadu Dr. M G R Medical University, No. 40, Anna Salai, Guindy, Chennai-600032</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval November 01, 2004 Total budget \$ 2,54,259 Duration 12 Months Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
225	Alcohol, sexual risk and HIV prevention in Mumbai.	
	<p>Principal Investigator Dr. Kamla Gupta</p> <p>Professor & Head, International Institute for Population Sciences, Govandi Station Road, Deonar, Mumbai-400088</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval November 01, 2004</p> <p>Total budget Rs. 69,40,980</p> <p>Duration 36 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
226	HIV infection, alcohol and pleuro-pulmonary tuberculosis - a study on cellular homeostasis.	
	<p>Principal Investigator Dr. Surinder K Jindal</p> <p>Professor, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval November 01, 2004</p> <p>Total budget Rs. 53,00,000</p> <p>Duration 36 Months</p> <p>Subject Area HIV/ Tuberculosis</p>
227	Centrally coordinated bioethics education for India.	
	<p>Principal Investigator Dr. Nandini K Kumar</p> <p>Assistant Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi-110029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval November 01, 2004</p> <p>Total budget Rs. 3,62,05,020</p> <p>Duration 48 Months</p> <p>Subject Area Bioethics</p>

S.no.	Details of the project	
228	Phase II double-blind, placebo controlled, randomized study of sulindac, a pan-COX inhibitor, in oral premalignant lesions.	
	<p>Principal Investigator Dr. Abraham Kuriakose Chairman, Head & Neck Inst, Amrita Institute of Medical Sciences & Research Institute, Kochi-682026</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval April 04, 2005</p> <p>Total budget Rs. 8,58,195</p> <p>Duration 24 Months</p> <p>Subject Area Oncology</p>
229	Yoga, meditation and health.	
	<p>Principal Investigator Dr. R Nagarathna Dean, Samsthana, #19, Eknath Bhavan, Gavipuram Circle, K.G. nagar, Bangalore-560019</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval April 04, 2005</p> <p>Total budget Rs. 50,24,000</p> <p>Duration 24 Months</p> <p>Subject Area Yoga</p>
230	Study of lead exposure and outcomes amongst children in Chennai, India.	
	<p>Principal Investigator Dr. Kalpana Balakrishnan Professor, Sri Ramchandra Medical Centre & Research Institute, Porur, Chennai-600116</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval April 04, 2005</p> <p>Total budget Rs. 17,00,000</p> <p>Duration 36 Months</p> <p>Subject Area Environment & Occupational Health</p>

S.no.	Details of the project	
231	Surgical Treatment for Ischemic Heart (STICH) failure trial.	
	<p>Principal Investigator Dr. K S Reddy Professor & Head, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval April 04, 2005 Total budget Rs. 2,15,22,000 Duration 60 Months Subject Area Cardiovascular Diseases</p>
232	Population genetics analysis programme: Immunity to vaccines/ infections immune response polymorphisms: typhoid/ cholera vaccines.	
	<p>Principal Investigator Dr. Partha Majumder Professor & Head, Indian Statistical Inst, 203, B.T. Road, Kolkata- 700108</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval April 04, 2005 Total budget Rs. 66,54,10,286 Duration 60 Months Subject Area Genetics</p>
233	AIDS stigma gender and health in urban India.	
	<p>Principal Investigator Dr. Jayashree Ramakrishna Additional Professor & Head, National Institute of Mental Health & Neuro Sciences, Bangalore 560029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval May 02, 2005 Total budget Rs. 1,21,99,301 Duration 48 Months Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
234	Ayurvedic centre for collaborative research.	
	<p>Principal Investigator Dr. P R Krishna Kumar Managing Trustee, The Ayurvedic Trust, P O Box 7102, Trichy Road, Coimbatore 641045</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval May 02, 2005</p> <p>Total budget Rs. 65,00,000</p> <p>Duration 12 Months</p> <p>Subject Area Ayurveda</p>
235	Characterization of HIV-1 subtypes from Indian subjects a nested part of the RO1 project entitled- design and use of HIV V3 mimetic immunogens.	
	<p>Principal Investigator Dr. Kalpana Luthra Associate Professor, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval May 02, 2005</p> <p>Total budget Rs. 38,99,561</p> <p>Duration 60 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
236	Dose response modelling in epidemiological studies.	
	<p>Principal Investigator Dr. Bhaswati Ganguly University of Calcutta, 35, Ballygunge Circular Road, Calcutta-700019</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval August 17, 2005</p> <p>Total budget Rs. 1,19,585</p> <p>Duration 36 Months</p> <p>Subject Area Bioinformatics</p>

S.no.	Details of the project	
237	Project Prakash: Visual development after congenital blindness.	
	<p>Principal Investigator Dr. Ganesh Suma Shroff Charity Eye Hospital, 5027 Kedar Nath Road, Daryaganj, New Delhi-110002</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval October 18, 2005</p> <p>Total budget Rs. 11,82,100</p> <p>Duration 24 Months</p> <p>Subject Area Ophthalmology</p>
238	Molecular epidemiology of cryptosporidiosis in India.	
	<p>Principal Investigator Dr. Gagandeep Kang Professor, Christian Medical College & Hospital, Vellore 632004</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval October 18, 2005</p> <p>Total budget Rs. 36,00,000</p> <p>Duration 36 Months</p> <p>Subject Area Diarrhoeal Diseases</p>
239	Community based training and intervention in neonatal resuscitation.	
	<p>Principal Investigator Dr. Bhalachandra Kodkany Professor, HRRC Centre-215 (ICMR), J N Medical College, Belgaum-590010</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval October 18, 2005</p> <p>Total budget Rs. 59,43,226</p> <p>Duration 36 Months</p> <p>Subject Area Child Health</p>

S.no.	Details of the project	
240	A feasibility study for a prospective diet and lifestyle cohort in Delhi and Trivandrum, India.	
	<p>Principal Investigator Dr. K S Reddy Professor & Head, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval October 18, 2005</p> <p>Total budget \$ 44,850</p> <p>Duration 18 Months</p> <p>Subject Area Cardiovascular Diseases</p>
241	Community based training and intervention in neonatal resuscitation.	
	<p>Principal Investigator Dr. Sailajanandan Parida Associate Professor & Head, SCB Medical College, Cuttack</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval October 18, 2005</p> <p>Total budget Rs. 28,66,100</p> <p>Duration 33 months</p> <p>Subject Area Child Health</p>
242	HIV in semen from infected subjects from India.	
	<p>Principal Investigator Dr. Ramdass Chatterjee Head, CNCI, 37 S P Mukherjee Rd., Kolkata 700026</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 10,00,000</p> <p>Duration 24 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
243	Cryptococcus neoformans infection in organ transplant recipients: Impact of immunosuppressive agent resistance, virulence factors on tissue tropism and outcome.	
	<p>Principal Investigator Dr. K L Gupta Additional Professor, Post Graduate Institute of Medical Education and Research , Sector 12-D, Chandigarh-160012</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 4,50,000</p> <p>Duration 36 Months</p> <p>Subject Area Immunology</p>
244	Health care and health status in Rajasthan, India.	
	<p>Principal Investigator Dr. Sanjana B Mohan Coordinator, Child Health Program, Seva Mandir, Old Fatehpura, Udaipur, Rajasthan-313004</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 1,13,55,800</p> <p>Duration 60 Months</p> <p>Subject Area Health Systems Research</p>
245	Behavioural risk factors and HIV sero-prevalence among men who have sex with men in Chennai.	
	<p>Principal Investigator Dr. Beena E Thomas Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 13,55,596</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
246	Multidisciplinary research training in enteric infections.	
	<p>Principal Investigator Dr. Gagandeep Kang Professor, Christian Medical College & Hospital, Vellore 632004</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 2,96,30,440</p> <p>Duration 60 Months</p> <p>Subject Area Diarrhoeal Diseases</p>
247	The steroids for corneal ulcers.	
	<p>Principal Investigator Dr. M Srinivasan Director, Aravind Eye Hospital & PG Institute of Ophthalmology, 1, Annanagar, Madurai-625020</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 98,35,175</p> <p>Duration 36 Months</p> <p>Subject Area Ophthalmology</p>
248	HPTN509 Phase II extended safety and acceptability study of the vaginal microbicide 1% tenofovir gel.	
	<p>Principal Investigator Dr. S N Joshi Research Officer, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 1,77,04,192</p> <p>Duration 25 months</p> <p>Subject Area Reproductive Health</p>

S.no.	Details of the project	
249	Cervical cancer screening in HIV-infected women in India.	
	<p>Principal Investigator Dr. Sanjay Mehendale Deputy Director, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 28,25,504</p> <p>Duration 24 Months</p> <p>Subject Area Oncology</p>
250	Correlates of mucosal HIV transmission in Indian women.	
	<p>Principal Investigator Dr. Suniti Solomon Director, YRG Care, 1, Raman Street, T. Nagar, Chennai-600017</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 64,50,000</p> <p>Duration 36 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
251	Understanding factors inhibiting access to VCT services in Chennai city and measure impact of capacity building in improving access.	
	<p>Principal Investigator Dr. Suniti Solomon Director, YRG Care, 1, Raman Street, T. Nagar, Chennai-600017</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 22,43,160</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
252	Type 1 Diabetes Genetics Consortium (TIDGC)- an international effort.	
	<p>Principal Investigator Dr. N K Mehra Professor & Head, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval January 17, 2006</p> <p>Total budget \$ 25,000</p> <p>Duration 24 Months</p> <p>Subject Area Diabetes</p>
253	Segmental awareness and indic writing systems.	
	<p>Principal Investigator Dr. Prakash Padakannaya Professor, University of Mysore, Mysore-570006</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 86,00,000</p> <p>Duration 24 Months</p> <p>Subject Area Psychology</p>
254	A two-arm, randomized clinical trial of concomitant immunotherapy (with interferon-alpha and retinoic acid) and radiation therapy for the treatment of advanced cervical cancer.	
	<p>Principal Investigator Dr. Partha Basu Head, Chittaranjan National Cancer Institute, 37 SP Mukherjee Road, Kolkata-700026</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 31,45,000</p> <p>Duration 36 Months</p> <p>Subject Area Oncology</p>

S.no.	Details of the project	
255	Optimizing HIV care in less developed countries.	
	Principal Investigator Dr. N Kumaraswamy YRG Care, 1, Raman Street, T. Nagar, Chennai-600017	Funded by National Institutes of Health, USA Date of approval April 28, 2006 Total budget Rs. 36,69,723 Duration 48 Months Subject Area HIV/AIDS/ STD
256	Context and correlates of health behaviors in South India.	
	Principal Investigator Dr. N Kumarasamy YRG Care, 1, Raman Street, T. Nagar, Chennai-600017	Funded by National Institutes of Health, USA Date of approval April 28, 2006 Total budget Rs. 2,03,52,006 Duration 48 Months Subject Area HIV/AIDS/ STD
257	Delineating viral determinants of HAD using SCID mice.	
	Principal Investigator Dr. Ranga Udaykumar Associate Professor, Jawaharlal Nehru Centre for Advance Science Research, Jakkur(PO), Bangalore-560064	Funded by National Institutes of Health, USA Date of approval April 28, 2006 Total budget Rs. 8,80,000 Duration 24 Months Subject Area HIV/AIDS/ STD

S.no.	Details of the project	
258	Global diversity of the major surface antigen of Plasmodium falciparum, PfEMP1.	
	<p>Principal Investigator Dr. Hema Joshi Assistant Director, National Institute of Malaria Research, 22 Sham Nath Marg, Delhi-110054</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 1,73,45,093</p> <p>Duration 60 Months</p> <p>Subject Area Malaria</p>
259	A research programme for psychiatric genetics in India.	
	<p>Principal Investigator Dr. Smita N Deshpande Sr. Psychiatrist, Dr. Ram Manohar Lohia Hospital, New Delhi-110001</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval April 28, 2006</p> <p>Total budget NIL</p> <p>Duration 60 Months</p> <p>Subject Area Mental Health</p>
260	Interferon gamma assay for latent TB in HIV infection.	
	<p>Principal Investigator Dr. Alamelu Raja Deputy Director, Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 43,50,000</p> <p>Duration 24 Months</p> <p>Subject Area HIV/ Tuberculosis</p>

S.no.	Details of the project	
261	Molecular epidemiology of HIV in STD patients and IVDUs in India.	
	<p>Principal Investigator Dr. Ramesh S Paranjape Deputy Director(SG) & Officer in Charge, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 61,25,040</p> <p>Duration 36 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
262	Molecular epidemiology of leprosy.	
	<p>Principal Investigator Dr. Indira Nath Director, Blue Peters Research Center, Lepra India Cherlapally, Near TEC Building, Hyderabad-501301</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 13,20,000</p> <p>Duration 60 Months</p> <p>Subject Area Leprosy</p>
263	Changes in HIV viral load in patients undergoing treatment for filarial infection.	
	<p>Principal Investigator Dr. Soumya Swaminathan Deputy Director, Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 77,72,106</p> <p>Duration 24 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
264	Cellular immunity in HIV-1 infected individuals in India.	
	<p>Principal Investigator Dr. K G Murugavel Assistant Professor, YRG Care, Voluntary Health Services, Taramani, Chennai-600113</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 18,28,950</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
265	Type 1 Diabetes Genetics Consortium (TIDGC) - an International effort.	
	<p>Principal Investigator Dr. Eesh Bhatia Professor, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow-226014</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval August 09, 2006</p> <p>Total budget \$ 20,000</p> <p>Duration 24 Months</p> <p>Subject Area Diabetes</p>
266	International survey of scientist and policy makers, attitudes toward research on stored human biological materials.	
	<p>Principal Investigator Dr. Vasantha Muthuswamy Sr. Dy. Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi 110029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval August 09, 2006</p> <p>Total budget Not Mentioned</p> <p>Duration 12 Months</p> <p>Subject Area Bioethics</p>

S.no.	Details of the project	
267	Molecular epidemiology of leprosy.	
	Principal Investigator Dr. Rupendra Jadhav Stanley Browne Laboratories, Richardson Leprosy Hospital, Miraj-416410	Funded by National Institutes of Health, USA Date of approval August 09, 2006 Total budget Rs. 13,20,000 Duration 60 Months Subject Area Leprosy
268	Age related cognitive loss in Mumbai, India.	
	Principal Investigator Dr. A Shah Professor & Head, B.Y.L. Nair Hospital, A.L. Nair Road, Mumbai-400008	Funded by National Institutes of Health, USA Date of approval October 31, 2006 Total budget Rs. 2,35,25,438 Duration 60 Months Subject Area Neurosciences
269	Genomics search for susceptibility genes for Type 2 diabetes in Khatri Sikhs from North India.	
	Principal Investigator Dr. Jai Rup Singh Professor, Guru Nanak Dev University, Amritsar, Punjab-143005	Funded by National Institutes of Health, USA Date of approval October 31, 2006 Total budget Nil Duration 6 Months Subject Area Genetics

S.no.	Details of the project	
270	Maintaining Options for Mothers Study(MOMS): A phase II randomized comparison for three antiretroviral strategies administered for 7 to 21 days to reduce the emergence of nevirapine resistant HIV-1 following a single intrapartum dose of nevirapine(A5207),[Final version, dated May 23,05].	
	<p>Principal Investigator</p> <p>Dr. N Kumarasamy Chief Medical Officer, YRG Care, Voluntary Health Services, Taramani, Chennai-600113</p>	<p>Funded by</p> <p>National Institutes of Health, USA</p> <p>Date of approval October 31, 2006</p> <p>Total budget Rs. 87,73,920</p> <p>Duration 24 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
271	HIV-1 C clade progression and Neuro-AIDS.	
	<p>Principal Investigator</p> <p>Dr. Sudesh Prabhakar Professor & Head, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by</p> <p>National Institutes of Health, USA</p> <p>Date of approval October 31, 2006</p> <p>Total budget Rs. 2,90,99,048</p> <p>Duration 60 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
272	Stigma in health care setting in South India.	
	<p>Principal Investigator</p> <p>Dr. Suniti Solomon Director, YRG Care, 1, Raman Street, T. Nagar, Chennai-600017</p>	<p>Funded by</p> <p>National Institutes of Health, USA</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 67,52,040</p> <p>Duration 36 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
273	Neurocognitive consequences of HIV in Southern India.	
	Principal Investigator Dr. Tokugha Yepthomi YRG Care, Voluntary Health Services, Taramani, Chennai-600113	Funded by National Institutes of Health, USA Date of approval March 19, 2007 Total budget Rs. 56,23,332 Duration 24 Months Subject Area HIV/AIDS/ STD
274	Brain Research to Ameliorate Impaired Neurodevelopment (BRAIN): Home based intervention trial.	
	Principal Investigator Dr. Bhalachandra S Kodkany Professor, HRRC Centre-215 (ICMR), J N Medical College, Belgaum-590010	Funded by National Institutes of Health, USA Date of approval March 19, 2007 Total budget Rs. 88,65,045 Duration 60 Months Subject Area Neurosciences
275	Promotion of plasmodium research and training in India.	
	Principal Investigator Dr. Hema Joshi Assistant Director, Malaria Research Centre, 22, Sham Nath Marg, Delhi-110054	Funded by National Institutes of Health, USA Date of approval March 19, 2007 Total budget Rs. 1,63,21,179 Duration 60 Months Subject Area Malaria

S.no.	Details of the project	
276	Evaluating the role of Directly Administered Antiretroviral Therapy (DAART) in conjunction with opiate substitution in delivery of highly active anti-retroviral therapy to HIV-1 infected Injecting Drug Users (IDUS) in Chennai, India: The DAART + Study.	
	<p>Principal Investigator</p> <p>Dr. Sunil Suhas Solomon</p> <p>Medical Officer and Epidemiologist, YRG Care, Voluntary Health Services, Taramani, Chennai-600113</p>	<p>Funded by</p> <p>National Institutes of Health, USA</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 90,08,740</p> <p>Duration 96 Weeks</p> <p>Subject Area HIV/AIDS/ STD</p>
277	Genetic determinants of host response to the major filarial parasite W.bancrofti.	
	<p>Principal Investigator</p> <p>Dr. S L Hoti</p> <p>Deputy Director & Head, Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by</p> <p>National Institutes of Health, USA</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 4,06,40,000</p> <p>Duration 60 Months</p> <p>Subject Area Filariasis</p>
278	National AIDS Research Institute, Pune, India : Clinical trials unit.	
	<p>Principal Investigator</p> <p>Dr. Ramesh S Paranjape</p> <p>Director, National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by</p> <p>National Institutes of Health, USA</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 7,90,78,604</p> <p>Duration 84 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
279	Characterization of retinal degeneration in WNIN-obese rat.	
	<p>Principal Investigator Dr. G Bhanuprakash Reddy Assistant Director & Group Leader, National Institute of Nutrition, Jamia Osmania, Tarnaka, Hyderabad-500 007</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 45,00,000</p> <p>Duration 36 Months</p> <p>Subject Area Ophthalmology</p>
280	Future RE vascularization Evaluation in patients with Diabetes mellitus: Optimal management of Multivessel disease (The FREEDOM trial).	
	<p>Principal Investigator Dr. Balram Bhargava Professor, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 11,00,000</p> <p>Duration 66 Months</p> <p>Subject Area Diabetes</p>
281	Phase II / III, double blind, randomized, multicentre, chemoprevention trial of curcumin in oral premalignant lesions.	
	<p>Principal Investigator Dr. Abraham Kuriakose Consultant, Head & Neck Institute, Amrita Institute of Medical Sciences & Research Institute, Kochi-682026</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 54,84,000</p> <p>Duration 24 Months</p> <p>Subject Area Oncology</p>

S.no.	Details of the project	
282	Probiotics for cryptosporidial diarrhea and growth faltering.	
	<p>Principal Investigator Dr. Gagandeep Kang Professor, Christian Medical College & Hospital, Vellore 632004</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 67,84,565</p> <p>Duration 36 Months</p> <p>Subject Area Diarrhoeal Diseases</p>
283	HAART associated body shape & metabolic changes in HIV infected patients in South India.	
	<p>Principal Investigator Dr. Suneeta Saghayam Nutritionist, YRG Care, 1, Raman Street, T. Nagar, Chennai-600017</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 1,20,80,292</p> <p>Duration 60 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
284	The prevention of HIV / STI among married women in urban India.	
	<p>Principal Investigator Dr. Arvind Pandey Director, Institute of Medical Statistics, Ansari Nagar, New Delhi-110029</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 6,34,40,582</p> <p>Duration 60 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
285	Signaling in Plasmodium falciparum : Role of PfPLC and PfPKB.	
	<p>Principal Investigator Dr. Pushkar Sharma Staff Scientist V, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi-110067</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 5,28,000</p> <p>Duration 48 Months</p> <p>Subject Area Malaria</p>
286	Transmission dynamics of cryptosporidial infection in India.	
	<p>Principal Investigator Dr. Gagandeep Kang Professor, Christian Medical College & Hospital, Vellore 632004</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 1,42,88,400</p> <p>Duration 48 Months</p> <p>Subject Area Infectious Diseases-others</p>
287	Promoting tobacco control among teachers in India.	
	<p>Principal Investigator Dr. Prakash C Gupta Sekhasaria Institute for Public Health, 601/B, Great Eastern Chambers, Plot No. 28, Sector-11, CBD Belapur, Navi Mumbai-400614</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 4,80,51,202</p> <p>Duration 60 Months</p> <p>Subject Area Mental Health</p>

S.no.	Details of the project	
288	Kerala-Einstein study: Risk factors for cognitive decline.	
	<p>Principal Investigator Dr. P S Mathuranath Associate Professor, Sree Chitra Tirunal Institute for Medical Sciences & Technology(SCTIMST), Trivandrum-695011</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 66,95,900</p> <p>Duration 24 Months</p> <p>Subject Area Mental Health</p>
289	Behavioral secondary HIV prevention in Chennai (Substudy) - secondary prevention quantitative survey.	
	<p>Principal Investigator Dr. Shakuntala Suresh Kumar Consultant Psychiatrist, YRG Care, Voluntary Health Services, Taramani, Chennai-600113</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 2,07,000</p> <p>Duration 72 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
290	Establishment of Indo-US clinical trial unit at BJ Medical College.	
	<p>Principal Investigator Dr. A V Jamkar Dean, BJ Medical College & Sassoon Hospitals, Pune</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 2,49,34,096</p> <p>Duration 84 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
291	Evaluation of the incidence and risk factors for hyperlactatemia and lactic acidosis in patients receiving Highly Active Anti Retroviral Therapy (HAART) in a tertiary referral centre in Mumbai India.	
	<p>Principal Investigator</p> <p>Dr. Amar Pazare Professor, Seth G S Medical College and KEM Hospital, Parel, Mumbai-400012</p>	<p>Funded by</p> <p>National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 22,68,000</p> <p>Duration 24 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
292	Prevention of neonatal infection in the Indian community setting using probiotics.	
	<p>Principal Investigator</p> <p>Dr. Sailajanandan Parida Associate Professor & Head, SCB Medical College, Cuttack</p>	<p>Funded by</p> <p>National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 2,03,47,200</p> <p>Duration 60 Months</p> <p>Subject Area Child Health</p>
293	Worksite tobacco control: Research and capacity-building in India.	
	<p>Principal Investigator</p> <p>Dr. Prakash C Gupta Sekhasaria Institute for Public Health, 601/B, Great Eastern Chambers, Plot No. 28, Sector-11, CBD Belapur, Navi Mumbai-400614</p>	<p>Funded by</p> <p>National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 4,56,96,906</p> <p>Duration 60 Months</p> <p>Subject Area Mental Health</p>

S.no.	Details of the project	
294	Nutritional status of HIV positive and HIV negative injection drug users in Chennai, India.	
	<p>Principal Investigator Dr. M D Gupte Director, National Institute of Epidemiology, R-127, 3rd Avenue, Tamil Nadu Housing Board, Ayapakkam, Chennai-600031</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 2,04,38,400</p> <p>Duration 48 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
295	Tropical Medicine Research Centre (TMRC) - visceral leishmaniasis in Bihar State, India.	
	<p>Principal Investigator Dr. Shyam Sundar Professor, Institute of Medical Sciences, Banaras Hindu University, Varanasi- 221005</p>	<p>Funded by National Institutes of Health, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Not Mentioned</p> <p>Duration Not Known</p> <p>Subject Area Leishmaniasis</p>
296	Immune reactivity of specific secreted antigens of M.tuberculosis in TB patients and their contacts.	
	<p>Principal Investigator Dr. H Krishna Prasad Additional Professor, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029</p>	<p>Funded by New York University, USA</p> <p>Date of approval December 08, 2000</p> <p>Total budget No funds requested only technical collaboration</p> <p>Duration 36 Months</p> <p>Subject Area Tuberculosis</p>

S.no.	Details of the project	
297	Anti-Mycobacterium tuberculosis G1cB and MPT-51 antibodies as surrogate markers to diagnose preclinical tuberculosis in HIV infected individuals.	
	<p>Principal Investigator</p> <p>Dr. Ajay Wanchu</p> <p>Assistant Professor, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by</p> <p>New York University, USA</p> <p>Date of approval February 28, 2004</p> <p>Total budget Nil</p> <p>Duration 36 Months</p> <p>Subject Area HIV/ Tuberculosis</p>
298	Randomised controlled trial to evaluate the preventive effect on mortality and serious morbidity / hospitalisations of daily vitamin D supplements in small for gestational age term infants.	
	<p>Principal Investigator</p> <p>Dr. Geeta Trilok Kumar</p> <p>Reader, Institute of Home Economics, Delhi University, F-4 Haus Khas Enclave, New Delhi-110016</p>	<p>Funded by</p> <p>Nutrition Third World, Belgium / Sight & Life, Switzerland</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 27,56,689</p> <p>Duration 36 Months</p> <p>Subject Area Nutrition</p>
299	Studies on emerging and re-emerging infectious diseases.	
	<p>Principal Investigator</p> <p>Dr. T Ramamurthy</p> <p>Deputy Director, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata,Kolkata 700010.</p>	<p>Funded by</p> <p>Okayama University, Japan</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 3,38,55,000</p> <p>Duration 36 Months</p> <p>Subject Area Infectious Diseases-others</p>

S.no.	Details of the project	
300	A Randomised trial of 6 months versus 12 months withdrawal of Methotrexate in patients with Juvenile Idiopathic Arthritis in clinical remission.	
	<p>Principal Investigator</p> <p>Dr. Surjit Singh</p> <p>Additional Professor, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by</p> <p>Pediatric Rheumatology International Trials Organisation (PRINTO), Italy</p> <p>Date of approval August 09, 2006</p> <p>Total budget Nil</p> <p>Duration 36 Months</p> <p>Subject Area Child Health</p>
301	Screening Technologies to Advance Rapid Testing for cervical cancer prevention- the Start Project.	
	<p>Principal Investigator</p> <p>Dr. R P Chinoy</p> <p>Professor & Head, Tata Memorial Centre, Tata Memorial Hospital, Parel, Mumbai-400012</p>	<p>Funded by</p> <p>Program for Appropriate Technology in Health (PATH), USA</p> <p>Date of approval May 02, 2005</p> <p>Total budget Rs. 2,92,78,395</p> <p>Duration 60 Months</p> <p>Subject Area Oncology</p>
302	Assessing introduction of HPV vaccine in India: Phase I formative study.	
	<p>Principal Investigator</p> <p>Dr. Nita Mawar</p> <p>Deputy Director(SG), National AIDS Research Institute, 73 G Block, MIDC, Bhosari, Post Box No. 1875, Pune -411026</p>	<p>Funded by</p> <p>Program for Appropriate Technology in Health (PATH) , USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 21,82,200</p> <p>Duration 12 Months</p> <p>Subject Area Oncology</p>

S.no.	Details of the project	
303	A molecular genetic study of schizophrenia.	
	<p>Principal Investigator</p> <p>Dr. R Thara Director, Schizophrenia Research Foundation, R/7 A North Main, Anna Nagar west extention, Chennai-600101</p>	<p>Funded by</p> <p>Queensland Centre for Mental Health Research, Australia</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 50,26,268</p> <p>Duration 60 Months</p> <p>Subject Area Mental Health</p>
304	Epidemiological study of resettlement village of cured leprosy patients.	
	<p>Principal Investigator</p> <p>Dr. Rupendra Jadhav Stanley Browne Laboratories, Richardson Leprosy Hospital, Miraj-416410</p>	<p>Funded by</p> <p>Research in Leprosy &TB, USA</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 30,000</p> <p>Duration 12 Months</p> <p>Subject Area Leprosy</p>
305	Molecular Rhesus D (RhD) genotyping in Indian population, and prenatal diagnosis of fetal rhesus D status from amniotic fluid by PCR and by multiplex real time PCR using cell free fetal DNA in maternal plasma of Rh negative women.	
	<p>Principal Investigator</p> <p>Dr. Deepika Deka Additional Professor, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029</p>	<p>Funded by</p> <p>Roche Research Foundation, Switzerland</p> <p>Date of approval July 24, 2004</p> <p>Total budget Rs. 2,57,500</p> <p>Duration 12 Months</p> <p>Subject Area Reproductive Health</p>

S.no.	Details of the project	
306	The impact of supplemental nutrition in pregnancy and infancy on cardiovascular diseases risk profile in childhood.	
	<p>Principal Investigator</p> <p>Dr. K V Ramsewar Sarma Deputy Director, National Institute of Nutrition, Jamia Osmania, Tarnaka, Hyderabad-500 007</p>	<p>Funded by</p> <p>Royal College of Physician, United Kingdom</p> <p>Date of approval May 08, 2003</p> <p>Total budget GBP 42,000</p> <p>Duration 12 Months</p> <p>Subject Area Child Health</p>
307	A pilot study on prenatal diagnosis of β thalassaemia and RhD status of fetus by using cell: The fetal DNA in maternal plasma.	
	<p>Principal Investigator</p> <p>Dr. Madhulika Kabra Additional Professor, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029</p>	<p>Funded by</p> <p>Special Non-Invasive Advance in Fetal and Neonatal Evaluation, USA</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 1,71,360</p> <p>Duration 12 Months</p> <p>Subject Area Reproductive Health</p>
308	VITATOPS STUDY- a multi-centre, randomised double-blind, placebo-controlled, clinical trail examining the efficacy and safety of multi-vitamin therapy in secondary stroke prevention.	
	<p>Principal Investigator</p> <p>Dr. Prem Pais Professor & Head, St. Johns Medical College and Institute of Population Health and Clinical Research, St. Johns National Academy of Health Sciences, Bangalore-560034</p>	<p>Funded by</p> <p>Stroke Unit, Royal Perth Hospital, Australia</p> <p>Date of approval July 24, 2004</p> <p>Total budget Nil</p> <p>Duration 36 Months</p> <p>Subject Area Cardiovascular Diseases</p>

S.no.	Details of the project	
309	A population-based study of diabetes and metabolic correlates of cardiovascular risk factors among Asian Indians.	
	<p>Principal Investigator</p> <p>Dr. Anoop Misra Professor, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029</p>	<p>Funded by</p> <p>Texas A&M University, USA</p> <p>Date of approval April 20, 2004</p> <p>Total budget Rs. 28,63,709</p> <p>Duration 12 Months</p> <p>Subject Area Diabetes</p>
310	Malaria vaccine related field studies in Jabalpur.	
	<p>Principal Investigator</p> <p>Dr. Neeru Singh Deputy Director, Malaria Research Centre Field Station, RMRCT Complex, Nagpur Road, Gahra, Jabalpur -482003</p>	<p>Funded by</p> <p>The CDC Foundation, Atlanta, USA</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 2,02,500</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>
311	Establishment of hospital-based surveillance for rotavirus disease and strains in India.	
	<p>Principal Investigator</p> <p>Dr. M K Bhan Professor, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029</p>	<p>Funded by</p> <p>The CDC Foundation, Atlanta, USA</p> <p>Date of approval February 28, 2004</p> <p>Total budget \$ 1,06,55,239</p> <p>Duration 42 Months</p> <p>Subject Area Virology</p>

S.no.	Details of the project	
312	Training inputs for the field epidemiology training programme conducted at the NIE, Chennai.	
	<p>Principal Investigator Dr. M D Gupte Director, National Institute of Epidemiology , Mayor V.R. Ramanathan Road, Post Box No. 2577, Chetput, Chennai-600031</p>	<p>Funded by The CDC Foundation, Atlanta, USA</p> <p>Date of approval May 02, 2005</p> <p>Total budget Rs. 2,11,99,800</p> <p>Duration 24 Months</p> <p>Subject Area Field Epidemiology Training Programme</p>
313	Contribution of influenza vaccination in children to indirect, herd immunity protection among unvaccinated individuals in Ballabgarh community, Haryana, India.	
	<p>Principal Investigator Dr. Shobha Broor Professor & Head, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by The CDC Foundation, Atlanta, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 5,81,21,280</p> <p>Duration 36 Months</p> <p>Subject Area Child Health</p>
314	Design, implementation and evaluation of an enhanced mortality surveillance and cause of death assignment system in rural Andhra Pradesh, suitable for resource poor settings.	
	<p>Principal Investigator Dr. P Krishnam Raju Chairman, CARE Hospital, Road No. 1, Banjara Hills, Hyderabad -500034</p>	<p>Funded by The George Institute for International Health, Australia</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 1,66,95,045</p> <p>Duration 36 Months</p> <p>Subject Area Health System Research</p>

S.no.	Details of the project	
315	A Phase 1, Open-Label, disease-escalating study to evaluate the safety, tolerability and immunogenicity of the Leish-111F+MPL-SE vaccine (recombinant three-antigen leishmania polyprotein with adjuvant MPL-SE) in healthy adults in India.	
	<p>Principal Investigator</p> <p>Dr. Shyam Sundar</p> <p>Professor, Institute of Medical Sciences, Banaras Hindu University, Varanasi- 221005</p>	<p>Funded by</p> <p>The Infectious Disease Research Institute (IDRI), USA</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 61,39,098</p> <p>Duration 15 Months</p> <p>Subject Area Leishmaniasis</p>
316	IARC multinational study on the evaluation of the comparative efficacy of single and double freeze technique of cryotherapy in controlling CIN lesions.	
	<p>Principal Investigator</p> <p>Dr. Veena Singh</p> <p>Deputy Director (SG), Institute of Cytology and Preventive Oncology, Research cum Clinical Complex, 1-7, Sector-39, Near Degree College, Opposite City Centre, Noida-201301</p>	<p>Funded by</p> <p>The International Agency for Research on Cancer (IARC), France</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 19,42,000</p> <p>Duration 36 Months</p> <p>Subject Area Oncology</p>
317	International study of asthma and allergies in childhood.	
	<p>Principal Investigator</p> <p>Dr. Lata Kumar</p> <p>Head, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by</p> <p>The International Study of Asthma and Allergies in Childhood (ISAAC) Programme, New Zealand</p> <p>Date of approval May 03, 2001</p> <p>Total budget Rs. 30,000</p> <p>Duration 6 Months</p> <p>Subject Area Child Health</p>

S.no.	Details of the project	
318	Surveillance for typhoid fever and cholera in eastern Kolkata, West Bengal.	
	<p>Principal Investigator Dr. S K Bhattacharya Director, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010.</p>	<p>Funded by The International Vaccine Institute, Korea</p> <p>Date of approval July 10, 2002</p> <p>Total budget \$ 3,63,059</p> <p>Duration 18 Months</p> <p>Subject Area Diarrhoeal Diseases</p>
319	Existing data collection: Disease burden due to typhoid fever, shigellosis and cholera.	
	<p>Principal Investigator Dr. S K Bhattacharya Director, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010.</p>	<p>Funded by The International Vaccine Institute, Korea</p> <p>Date of approval November 05, 2002</p> <p>Total budget \$ 24,838</p> <p>Duration 12 Months</p> <p>Subject Area Diarrhoeal Diseases</p>
320	Socio-behavioral and economic components of cholera and typhoid fever studies in Kolkata.	
	<p>Principal Investigator Dr. S K Bhattacharya Director, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010.</p>	<p>Funded by The International Vaccine Institute, Korea</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 1,12,04,965</p> <p>Duration 30 Months</p> <p>Subject Area Diarrhoeal Diseases</p>

S.no.	Details of the project	
321	Randomized controlled evaluation of protection by the Vi polysaccharide vaccine against typhoid fever in eastern Kolkata, West Bengal.	
	<p>Principal Investigator Dr. S K Bhattacharya Director, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010.</p>	<p>Funded by The International Vaccine Institute, Korea</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 4,95,11,014</p> <p>Duration 30 Months</p> <p>Subject Area Diarrhoeal Diseases</p>
322	Safety and immunogenicity (phase II) trials of a killed, oral cholera vaccine in Indian subjects in eastern Kolkata, West Bengal.	
	<p>Principal Investigator Dr. S K Bhattacharya Director, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010.</p>	<p>Funded by The International Vaccine Institute, Korea</p> <p>Date of approval November 01, 2004</p> <p>Total budget Rs. 25,33,388</p> <p>Duration 6 Months</p> <p>Subject Area Diarrhoeal Diseases</p>
323	A randomized controlled trial of the bivalent killed whole cell cholera vaccine in eastern Kolkata, West Bengal, India.	
	<p>Principal Investigator Dr. S K Bhattacharya Director, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010.</p>	<p>Funded by The International Vaccine Institute, Korea</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 4,30,94,256</p> <p>Duration 24 Months</p> <p>Subject Area Diarrhoeal Diseases</p>

S.no.	Details of the project	
324	Immune responses following one versus two doses of the killed oral cholera vaccine in eastern Kolkata, West Bengal, India.	
	<p>Principal Investigator Dr. S K Bhattacharya Director, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010.</p>	<p>Funded by The International Vaccine Institute, Korea</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 9,99,000</p> <p>Duration 6 Months</p> <p>Subject Area Diarrhoeal Diseases</p>
325	Surveillance for dengue fever in eastern Kolkata, West Bengal, India.	
	<p>Principal Investigator Dr. Sekhar Chakraborty Deputy Director (SG), National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010.</p>	<p>Funded by The International Vaccine Institute, Korea</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 2,58,05,400</p> <p>Duration 24 Months</p> <p>Subject Area Dengue</p>
326	A placebo-controlled, double-blind, single oral dose study to determine the safety and immunogenicity of M01ZH09 typhoid vaccine (oral live S.typhi (Ty2 aroC-ssaV-ZH9) in healthy paediatric and adolescent subjects, aged 2 to 17 years inclusive, who reside in the official slums of kolkata.	
	<p>Principal Investigator Dr. Dipika Sur Deputy Director, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010.</p>	<p>Funded by The International Vaccine Institute, Korea</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 24,23,360</p> <p>Duration 6 Months</p> <p>Subject Area Diarrhoeal Diseases</p>

S.no.	Details of the project	
327	Preparation of a draft country investment plan for national food fortification efforts for India.	
	<p>Principal Investigator Dr. B Sivakumar Deputy Director(SG) & Officer in Charge, National Institute of Nutrition, Jamia Osmania, Tarnaka, Hyderabad-500 007</p>	<p>Funded by The Keystone Centre, USA</p> <p>Date of approval November 05, 2002</p> <p>Total budget \$ 35,000</p> <p>Duration 6 Months</p> <p>Subject Area Nutrition</p>
328	Establishment of a national facility for dry blood spot technology for vitamin A estimation at National Institute of Nutrition, Hyderabad.	
	<p>Principal Investigator Dr. B Sivakumar Deputy Director(SG) & Officer in Charge, National Institute of Nutrition, Jamia Osmania, Tarnaka, Hyderabad-500 007</p>	<p>Funded by The Micronutrient Initiative, Canada</p> <p>Date of approval November 05, 2002</p> <p>Total budget Rs. 65,09,488</p> <p>Duration 60 Months</p> <p>Subject Area Nutrition</p>
329	An efficacy trial of dual fortified salt in Southern India.	
	<p>Principal Investigator Dr. Sumithra Muthayya Assistant Professor, Institute of Population Health and Clinical Research, St. Johns Medical College, Bangalore-560034</p>	<p>Funded by The Micronutrient Initiative, Canada</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 53,90,980</p> <p>Duration 24 Months</p> <p>Subject Area Nutrition</p>

S.no.	Details of the project	
330	Molecular characterization of different q chromosomal forms of Anopheles fluviatilis.	
	<p>Principal Investigator Dr. O P Singh Assistant Director, National Institute of Malaria Research, 22 Sham Nath Marg, Delhi-110054</p>	<p>Funded by UNDP/World Bank/WHO-TDR</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 15,50,000</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>
331	Study of interaction between HIV and tuberculosis, with special reference to alterations in cell-mediated immune response and immune activation markers.	
	<p>Principal Investigator Dr. Soumya Swaminathan Deputy Director, Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031</p>	<p>Funded by University of California, Los Angeles, USA</p> <p>Date of approval May 03, 2001</p> <p>Total budget \$ 39,500</p> <p>Duration 12 Months</p> <p>Subject Area HIV/ Tuberculosis</p>
332	Core laboratory facilities for HIV.	
	<p>Principal Investigator Dr. M D Gupte Director, National Institute of Epidemiology, Mayor V.R. Ramanathan Road, Post Box No. 2577, Chetput, Chennai-600031</p>	<p>Funded by University of California, Los Angeles, USA</p> <p>Date of approval May 03, 2001</p> <p>Total budget \$ 30,000</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
333	Assessing the effectiveness of STD detection among paramedical professionals in India.	
	<p>Principal Investigator Dr. R N Gupta Indian Council of Medical Research, Ansari Nagar, New Delhi-110029</p>	<p>Funded by University of California, Los Angeles, USA</p> <p>Date of approval September 10, 2001</p> <p>Total budget \$ 1,00,000</p> <p>Duration 18 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
334	Knowledge attitude and practices of persons at risk in relation to a future vaccine trial.	
	<p>Principal Investigator Mrs. Mohanarani Suhadev Medical Social Worker, Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031</p>	<p>Funded by University of California, Los Angeles, USA</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 10,00,000</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
335	Development of STDs/HIV prevention intervention package for STD Patients.	
	<p>Principal Investigator Dr. M D Gupte Director, National Institute of Epidemiology, Mayor V.R. Ramanathan Road, Post Box No. 2577, Chetput, Chennai-600031</p>	<p>Funded by University of California, Los Angeles, USA</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 4,31,840</p> <p>Duration 24 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
336	A feasibility study of recruitment and retention of couples requiring STD care at Govt. General Hospital, Chennai.	
	<p>Principal Investigator Dr. M D Gupte Director, National Institute of Epidemiology, Mayor V.R. Ramanathan Road, Post Box No. 2577, Chetput, Chennai-600031</p>	<p>Funded by University of California, Los Angeles, USA</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 5,29,300</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
337	Exposure to indoor air pollution and risk of tuberculosis: A case control study in Northern India.	
	<p>Principal Investigator Dr. Rajesh Kumar Head, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by University of California, Los Angeles, USA</p> <p>Date of approval October 18, 2005</p> <p>Total budget Rs. 7,37,100</p> <p>Duration 12 Months</p> <p>Subject Area Tuberculosis</p>
338	Developing a framework for predicting malaria outbreaks in rural and urban Gujarat, India.	
	<p>Principal Investigator Dr. A P Dash Director, National Institute of Malaria Research, 22 Sham Nath Marg, Delhi-110054</p>	<p>Funded by University of Michigan, USA</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 12,00,000</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>

S.no.	Details of the project	
339	Study on "Human response to streptococcal C5a peptidase in Indian children and adults".	
	<p>Principal Investigator Dr. M G Karmakar Associate Professor, Seth G S Medical College and KEM Hospital, Parel, Mumbai-400012</p>	<p>Funded by University of Minnesota, USA</p> <p>Date of approval November 01, 2004</p> <p>Total budget Rs. 4,25,000</p> <p>Duration 12 Months</p> <p>Subject Area Cardiovascular Diseases</p>
340	Prevalence of Entamoeba histolytica infection in Mangalore, India : Pilot study for vaccine trial.	
	<p>Principal Investigator Dr. Prabha Adhikari Professor, Kasturba Medical College Hospital, Attavar, Mangalore-575001</p>	<p>Funded by University of Minnesota, USA</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 1,65,000</p> <p>Duration 7 Months</p> <p>Subject Area Parasitic Infections</p>
341	Population genetic analysis of human plasmodia species.	
	<p>Principal Investigator Dr. Hema Joshi Senior Research Officer, Malaria Research Centre, 22, Sham Nath Marg, Delhi-110054</p>	<p>Funded by University of Oxford, United Kingdom</p> <p>Date of approval February 25, 2003</p> <p>Total budget Nil</p> <p>Duration 12 Months</p> <p>Subject Area Malaria</p>

S.no.	Details of the project	
342	Effect of hydrodissection on posterior capsule opacification in pediatric cataract surgery with posterior chamber intraocular lens implementation.	
	<p>Principal Investigator</p> <p>Dr. Jagat Ram</p> <p>Additional Professor, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by</p> <p>University of South Carolina, USA</p> <p>Date of approval December 08, 2000</p> <p>Total budget \$ 20,000</p> <p>Duration 36 Months</p> <p>Subject Area Ophthalmology</p>
343	Facilitating hope in the wake of disaster among women and children.	
	<p>Principal Investigator</p> <p>Dr. K Sekar</p> <p>National Institute of Mental Health & Neuro Sciences, Bangalore 560029</p>	<p>Funded by</p> <p>University of South Florida, USA</p> <p>Date of approval August 17, 2005</p> <p>Total budget Rs. 7,99,832</p> <p>Duration 12 Months</p> <p>Subject Area Psychology</p>
344	Proposal for canadian initiative for programme on genomics in India. part I: Genomics policies of governments in developing countries. Part II: Genomic policy executive course.	
	<p>Principal Investigator</p> <p>Dr. Nandini Kumar</p> <p>Dy. Director General</p> <p>Indian Council of Medical Research, Ansari Nagar, New Delhi-110029</p>	<p>Funded by</p> <p>University of Toronto Joint Centre for Bioethics(JCB), Canada</p> <p>Date of approval November 05, 2002</p> <p>Total budget Rs. 70,00,000</p> <p>Duration 48 Months</p> <p>Subject Area Bioethics</p>

S.no.	Details of the project	
345	Strengthening of the tuberculosis program in India: Surveillance for drug resistance in an urban slum population.	
	<p>Principal Investigator Dr. Meera Sharma Professor & Head, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by USAID</p> <p>Date of approval July 10, 2002</p> <p>Total budget \$ 70,833</p> <p>Duration 24 Months</p> <p>Subject Area Tuberculosis</p>
346	Assessment of therapeutic efficacy of antimalarial drugs against uncomplicated <i>P. falciparum</i> malaria in West Bengal as part of Indo-Nepal cross border activity.	
	<p>Principal Investigator Dr. Neena Valecha Deputy Director, Malaria Research Centre, 22, Sham Nath Marg, Delhi-110054</p>	<p>Funded by USAID</p> <p>Date of approval September 24, 2003</p> <p>Total budget \$ 36,000</p> <p>Duration 12 Months</p> <p>Subject Area Malaria</p>
347	Mapping and size estimation of injecting drug users in North East India (Assam, Manipur, Meghalaya, Mizoram and Nagaland).	
	<p>Principal Investigator Dr. J Mahanta Director, Regional Medical Research Centre, NE Region, Post Box. No. 105, Dibrugarh 786001</p>	<p>Funded by USAID</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 55,70,000</p> <p>Duration 12 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
348	Studies on the epidemiology of urban malaria in mega, medium and small cities of India.	
	<p>Principal Investigator Dr. B N Nagpal Assistant Director, Malaria Research Centre, 20, Madhuban, Delhi-110092</p>	<p>Funded by USAID</p> <p>Date of approval May 02, 2005 Total budget Rs. 40,50,000 Duration 24 Months Subject Area Malaria</p>
349	Rapid assessment of the burden of malaria in pregnancy in MP, India.	
	<p>Principal Investigator Dr. Neeru Singh Deputy Director (SG), Malaria Research Centre Field Station, RMRCT Complex, Nagpur Road, Gahra, Jabalpur -482003</p>	<p>Funded by USAID</p> <p>Date of approval October 18, 2005 Total budget Rs. 18,00,000 Duration 12 Months Subject Area Malaria</p>
350	Assessing the burden of Malaria in pregnancy in East India.	
	<p>Principal Investigator Dr. Neeru Singh Deputy Director(SG) & Officer-in-Charge, National Institute of Malaria Research Field Station, RMRC Campus, Nagpur Road, Garha, Jabalpur-482003</p>	<p>Funded by USAID</p> <p>Date of approval April 28, 2006 Total budget Rs. 27,92,611 Duration 24 Months Subject Area Malaria</p>

S.no.	Details of the project	
351	Academic study of the transplantation of cryopreserved human liver cells in patients with grade 3 or 4 encephalopathy brought on by acute liver failure.	
	<p>Principal Investigator Dr. C M Habibullah Director, Centre for Liver Research and Diagnostics, Deccan College of Medical Sciences, Kanchanbagh, Hyderabad-500058</p>	<p>Funded by Vesta Therapeutics Inc., USA</p> <p>Date of approval October 31, 2006</p> <p>Total budget Not Mentioned</p> <p>Duration 12 Months</p> <p>Subject Area Stem Cell Research</p>
352	Molecular characterization of insecticide resistance in the Anopheles culicifacies complex.	
	<p>Principal Investigator Dr. S K Subbrao Director, Malaria Research Centre, 22, Sham Nath Marg, Delhi-110054</p>	<p>Funded by Wellcome Trust, United Kingdom</p> <p>Date of approval March 13, 2000</p> <p>Total budget Rs. 12,60,000</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>
353	Receptor-ligand interaction involved in cytoadherence by malaria parasites.	
	<p>Principal Investigator Dr. Chetan Chitnis Assistant Scientist, International Centre for Genetic Engineering and Biotechnology, P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by Wellcome Trust, United Kingdom</p> <p>Date of approval July 06, 2000</p> <p>Total budget Rs. 2,54,00,000</p> <p>Duration 60 Months</p> <p>Subject Area Malaria</p>

S.no.	Details of the project	
354	Intracellular trafficking of Mycobacterium leprae within schwann cells and macrophages.	
	<p>Principal Investigator Dr. Indira Nath Professor, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by Wellcome Trust, United Kingdom</p> <p>Date of approval December 08, 2000 Total budget Rs. 67,66,328 Duration 36 Months Subject Area Leprosy</p>
355	The influence of differential fertility and epidemic and endemic disease on gene pool composition and structure in a South Indian community.	
	<p>Principal Investigator Dr. Appaji Rao Professor, Indian Institute of Sciences, Bangalore-560012</p>	<p>Funded by Wellcome Trust, United Kingdom</p> <p>Date of approval September 10, 2001 Total budget Rs. 1,18,54,200 Duration 36 Months Subject Area Genetics</p>
356	Role of genetic susceptibility in persistent hepatitis B virus infection.	
	<p>Principal Investigator Dr. S K Sarin Professor & Head, G.B.Pant Hospital, New Delhi-110002</p>	<p>Funded by Wellcome Trust, United Kingdom</p> <p>Date of approval September 10, 2001 Total budget Rs. 28,00,000 Duration 36 Months Subject Area Gastroenterology</p>

S.no.	Details of the project	
357	The phylogenetics of Asian Schistosoma: Research in India.	
	<p>Principal Investigator Dr. Kanwar Narain Sr.Research Officer, Regional Medical Research Centre, NE Region, Post Box. No. 105, Dibrugarh 786001</p>	<p>Funded by Wellcome Trust, United Kingdom</p> <p>Date of approval July 10, 2002</p> <p>Total budget \$ 29,400</p> <p>Duration 60 Months</p> <p>Subject Area Genetics</p>
358	Epidemiology of age-related eye disease in India: Pilot study proposal.	
	<p>Principal Investigator Dr. G V S Murthy Additional Professor & Head, Dr. R.P. Centre for Ophthalmic Sciences, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by Wellcome Trust, United Kingdom</p> <p>Date of approval July 10, 2002</p> <p>Total budget Rs. 37,74,355</p> <p>Duration 18 Months</p> <p>Subject Area Ophthalmology</p>
359	Influence of IL-ID/IL-IRS balance on disease expression in tuberculosis and leprosy.	
	<p>Principal Investigator Dr. Bhushan Kumar Professor & Head, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by Wellcome Trust, United Kingdom</p> <p>Date of approval February 25, 2003</p> <p>Total budget \$ 10,000</p> <p>Duration 12 Months</p> <p>Subject Area Tuberculosis/ Leprosy</p>

S.no.	Details of the project	
360	Understanding the biology, pathogenesis and neurovirulence of Japanese encephalitis virus using molecular methods.	
	<p>Principal Investigator Dr. Anita Desai Assistant Professor, National Institute of Mental Health & Neuro Sciences, Bangalore 560029</p>	<p>Funded by Wellcome Trust, United Kingdom</p> <p>Date of approval April 20, 2004</p> <p>Total budget GBP 89,988</p> <p>Duration 36 Months</p> <p>Subject Area Japanese Encephalitis</p>
361	Rural urban migration: Effects on obesity and diabetes in Indians.	
	<p>Principal Investigator Dr. K S Reddy Professor & Head, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029</p>	<p>Funded by Wellcome Trust, United Kingdom</p> <p>Date of approval November 01, 2004</p> <p>Total budget Rs. 3,31,31,040</p> <p>Duration 36 Months</p> <p>Subject Area Diabetes</p>
362	Epidemiology of age-related eye disease in India (INDEYE).	
	<p>Principal Investigator Dr. G V S Murthy Additional Professor & Head, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by Wellcome Trust, United Kingdom</p> <p>Date of approval May 02, 2005</p> <p>Total budget Rs. 2,64,16,635</p> <p>Duration 36 Months</p> <p>Subject Area Ophthalmology</p>

S.no.	Details of the project	
363	The clinical and cost-effectiveness of an intervention strategy to integrate the treatment of common mental disorders into routine primary care in developing countries : A cluster randomised controlled trial in Goa, India.	
	<p>Principal Investigator Dr. Vikram Patel Sangath Centre, 841/1 Alto Porvorim, Goa-403521</p>	<p>Funded by Wellcome Trust, United Kingdom</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 3,16,23,833</p> <p>Duration 60 Months</p> <p>Subject Area Mental Health</p>
364	Sexual behaviour patterns and their determinants among adolescents in urban slum and urban resettlement areas.	
	<p>Principal Investigator Dr. Sunil Mehra Executive Director, MAMTA-Health Institute for Mother & Child, 33-A Saidulajaib, Opposite D-Block Saket, M.B. Road, New Delhi-110030</p>	<p>Funded by WHO</p> <p>Date of approval March 13, 2000</p> <p>Total budget Rs. 14,95,368</p> <p>Duration 24 Months</p> <p>Subject Area Social & Behavioural Research</p>
365	Synthesis of 1-Methyl-4-substituted benzoyl piperazines for the development of a macrofilaricide.	
	<p>Principal Investigator Dr. M Kalyanasundaram Deputy Director, Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by WHO</p> <p>Date of approval March 13, 2000</p> <p>Total budget \$ 13,000</p> <p>Duration 24 Months</p> <p>Subject Area Filariasis</p>

S.no.	Details of the project	
366	Assessment of bacterial expressed P.vivax and P.cynomolgi MPS1-p42 to induce immunity in macaque monkeys against P.cynomolgi challenge.	
	<p>Principal Investigator Dr. Deep C Kaushal Scientist, Central Drug Research Institute, Lucknow-226001</p>	<p>Funded by WHO</p> <p>Date of approval March 13, 2000</p> <p>Total budget \$ 51,400</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>
367	Large-scale expression and purification of E.coli expressed Pf MSP-1-19.	
	<p>Principal Investigator Dr. Pawan Malhotra Sr. Research Officer, International Centre for Genetic Engineering and Biotechnology , PO Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by WHO</p> <p>Date of approval March 13, 2000</p> <p>Total budget \$ 15,000</p> <p>Duration 12 Months</p> <p>Subject Area Malaria</p>
368	Multicentre prospective randomised clinical study to compare efficacy of chloramphenicol with that of ampicillin plus gentamicin in children aged 2 months to 59 months with very severe pneumonia.	
	<p>Principal Investigator Dr. Sunit Singh Additional Professor, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by WHO</p> <p>Date of approval March 13, 2000</p> <p>Total budget \$ 76,500</p> <p>Duration 24 Months</p> <p>Subject Area Child Health</p>

S.no.	Details of the project	
369	Contraceptive knowledge and practices of women requesting medical termination of pregnancy.	
	<p>Principal Investigator Dr. Lalita S Savardekar Research Officer, National Institute for Research in Reproductive Health, J. M. Street, Parel, Mumbai-400012</p>	<p>Funded by WHO</p> <p>Date of approval July 06, 2000</p> <p>Total budget \$ 8,850</p> <p>Duration 24 Months</p> <p>Subject Area Reproductive Health</p>
370	Control of malarial parasite by plant derived terpenoids and alkaloids.	
	<p>Principal Investigator Dr. T R Govindachari Adviser, Centre for Natural Products, SPIC Sciences Foundation, 111, Mount Road, Guindy, Chennai-600032</p>	<p>Funded by WHO</p> <p>Date of approval July 06, 2000</p> <p>Total budget \$ 94,430</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>
371	Population genetic studies on Aedes aegypti mosquito in relation to dengue epidemic.	
	<p>Principal Investigator Dr. D T Mourya Assistant Director, National Institute of Virology, 20-A, Dr.Ambedkar Road, Pune-411001</p>	<p>Funded by WHO</p> <p>Date of approval December 08, 2000</p> <p>Total budget \$ 40,000</p> <p>Duration 36 Months</p> <p>Subject Area Dengue</p>

S.no.	Details of the project	
372	Trial 98295 : Calcium supplementation for the prevention of pre-eclampsia among low calcium intake women: A randomized controlled trial.	
	<p>Principal Investigator Dr. Mathews Mathai Professor & Head, Christian Medical College & Hospital, Vellore 632004</p>	<p>Funded by WHO</p> <p>Date of approval December 08, 2000</p> <p>Total budget \$ 41,250</p> <p>Duration 24 Months</p> <p>Subject Area Reproductive Health</p>
373	Characterization and phylogenetic analysis of populations/ strains of the malaria vector: Anopheles stephensi from different regions in India.	
	<p>Principal Investigator Dr. N Pradeep Kumar Sr.Research Officer, Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by WHO</p> <p>Date of approval May 03, 2001</p> <p>Total budget \$ 15,000</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>
374	Molecular cloning and biochemical characterisation of a sexual stage-specific protein from P. falciparum and P. vivax.	
	<p>Principal Investigator Dr. Amit Sharma International Centre for Genetic Engineering and Biotechnology, P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by WHO</p> <p>Date of approval May 03, 2001</p> <p>Total budget \$ 40,000</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>

S.no.	Details of the project	
375	Phase III evaluation of bifenthrin 10% WP and deltamethrin 25% WG indoor residual spraying for malaria vector control in India.	
	<p>Principal Investigator Dr. R S Yadav Officer In Charge, Malaria Research Centre, Field Station, Civil Hospital, Nadiad -387001.</p>	<p>Funded by WHO</p> <p>Date of approval May 03, 2001</p> <p>Total budget \$ 64,155</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>
376	Gender differentials in tuberculosis control.	
	<p>Principal Investigator Dr. M S Jawahar Deputy Director, Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031</p>	<p>Funded by WHO</p> <p>Date of approval May 03, 2001</p> <p>Total budget \$ 19,800</p> <p>Duration 12 Months</p> <p>Subject Area Tuberculosis</p>
377	Community based dengue vector control under health system in one district (South India) and transfer of technology.	
	<p>Principal Investigator Dr. K Satyanarayana Centre for Research in Medical Entomology, 4, Sarojani Street, Chinnachokkikulam, Madurai-625002</p>	<p>Funded by WHO</p> <p>Date of approval May 03, 2001</p> <p>Total budget \$ 1,20,000</p> <p>Duration 42 Months</p> <p>Subject Area Dengue</p>

S.no.	Details of the project	
378	Screening a natural compound library for molecules with anti-malarial activity.	
	<p>Principal Investigator Dr. Swati Patankar Quest Inst of Life Sciences, Mumbai</p>	<p>Funded by WHO</p> <p>Date of approval May 03, 2001</p> <p>Total budget \$ 40,000</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>
379	Operationalisation of insecticide treated bed nets and efficacy of permanently treated bed nets for malaria control in peri-urban areas of Assam.	
	<p>Principal Investigator Dr. Anil Prakash Assistant Director, Regional Medical Research Centre, NE Region, Post Box. No. 105, Dibrugarh 786001</p>	<p>Funded by WHO</p> <p>Date of approval September 10, 2001</p> <p>Total budget \$ 9,90,500</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>
380	Identification of immunoglobulin E inducing allergen genes of <i>W. bancrofti</i> : A molecular study on the immuno-pathology and drug targeting.	
	<p>Principal Investigator Dr. Kailash Patra Research Assistant, Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by WHO</p> <p>Date of approval September 10, 2001</p> <p>Total budget \$ 41,000</p> <p>Duration 36 Months</p> <p>Subject Area Filariasis</p>

S.no.	Details of the project	
381	Comparison of different DNA delivery methods for efficient DNA vaccination for malaria.	
	<p>Principal Investigator Dr. V S Chauhan Director, International Centre for Genetic Engineering and Biotechnology, P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by WHO</p> <p>Date of approval September 10, 2001</p> <p>Total budget \$ 1,51,300</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>
382	Protective efficacy of a blood stage vaccine based on Plasmodium falciparum EBA-175 in Aotus monkeys.	
	<p>Principal Investigator Dr. Chetan Chitnis Assistant Scientist, International Centre for Genetic Engineering and Biotechnology, P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by WHO</p> <p>Date of approval September 10, 2001</p> <p>Total budget \$ 62,300</p> <p>Duration 12 Months</p> <p>Subject Area Malaria</p>
383	Population based surveillance for Congenital Rubella Syndrome (CRS) in South India.	
	<p>Principal Investigator Dr. P Vijyalakshmi Chief, Aravind Eye Hospital & PG Institute of Ophthalmology, 1, Annanagar, Madurai-625020</p>	<p>Funded by WHO</p> <p>Date of approval September 10, 2001</p> <p>Total budget \$ 77,408</p> <p>Duration 24 Months</p> <p>Subject Area Child Health</p>

S.no.	Details of the project	
384	Assessment of therapeutic efficacy of chloroquine and sulphadoxine + pyrimethemine (S P) combination drugs for uncomplicated P. falciparum malaria in Indo-Myanmar border districts of Arunachal Pradesh, India.	
	<p>Principal Investigator Dr. P K Mohapatra Regional Medical Research Centre, NE Region, Post Box. No. 105, Dibrugarh 786001</p>	<p>Funded by WHO</p> <p>Date of approval September 10, 2001</p> <p>Total budget Rs.19,90,000</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>
385	Antimalarial drug resistance studies in India.	
	<p>Principal Investigator Dr. Neena Valecha Malaria Research Centre, 22, Sham Nath Marg, Delhi-110054</p>	<p>Funded by WHO</p> <p>Date of approval September 10, 2001</p> <p>Total budget \$ 64,748</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>
386	Operational feasibility of larvivorous fishes for control of malaria in a high risk area of Karnataka State, India.	
	<p>Principal Investigator Dr. S K Ghosh Assistant Director, Malaria Research Centre, Epidemic Diseases Hospital Campus, Old Madras Road, Bangalore-56003</p>	<p>Funded by WHO</p> <p>Date of approval September 10, 2001</p> <p>Total budget \$ 5,64,000</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>

S.no.	Details of the project	
387	Field evaluation of a new mosquito larvicide agnique MMF in different urban habitat against malaria vector An. stephensi.	
	Principal Investigator Dr. C P Batra Sr. Research Officer, Malaria Research Centre, 22, Sham Nath Marg, Delhi-110054	Funded by WHO Date of approval September 10, 2001 Total budget \$ 7,000 Duration 12 Months Subject Area Malaria
388	To develop a feasible model for delivery of filarial lymphedema management package to the community/ individuals.	
	Principal Investigator Dr. Ramesh Sharma Joint Director & Head, National Institute of Communicable Diseases, 22 Sham Nath Marg, Delhi -110054	Funded by WHO Date of approval September 10, 2001 Total budget \$ 15,000 Duration 24 Months Subject Area Filariasis
389	Characterization and comparison of immunogenicity of E.coli expressed MSP-1-19 and MSP-1-42 of Plasmodium falciparum in animal models using some of the adjuvants approved for human use.	
	Principal Investigator Dr. Pawan Malhotra Sr. Research Scientist, International Centre for Genetic Engineering and Biotechnology, P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067	Funded by WHO Date of approval March 08, 2002 Total budget \$ 47,200 Duration 24 Months Subject Area Malaria

S.no.	Details of the project	
390	A double blind randomized comparison of two misoprostol regimens in termination of pregnancy in the second trimester (project no. A 15065).	
	<p>Principal Investigator Dr. Rashmi Shah Deputy Director, National Institute for Research in Reproductive Health, J. M. Street, Parel, Mumbai-400012</p>	<p>Funded by WHO</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 16,000</p> <p>Duration 18 Months</p> <p>Subject Area Reproductive Health</p>
391	Comparison of two routes and two intervals of administration of misoprostol for the termination of early pregnancy: A randomised multicentre trial.	
	<p>Principal Investigator Dr. Rashmi Shah Deputy Director, National Institute for Research in Reproductive Health, J. M. Street, Parel, Mumbai-400012</p>	<p>Funded by WHO</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 21,710</p> <p>Duration 18 Months</p> <p>Subject Area Reproductive Health</p>
392	Development and testing of new strategies for mass drug distribution for lymphatic filariasis elimination in urban areas.	
	<p>Principal Investigator Dr. Dasaradha Ramiah Assistant Director, Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by WHO</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 71,300</p> <p>Duration 36 Months</p> <p>Subject Area Filariasis</p>

S.no.	Details of the project	
393	Bioinformatics and applied genomics programme grant, ICGEB.	
	<p>Principal Investigator Dr. Dinesh Gupta Research Scientist, International Centre for Genetic Engineering and Biotechnology, P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by WHO</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 45,000</p> <p>Duration 12 Months</p> <p>Subject Area Bioinformatics</p>
394	Bioinformatics of tropical disease pathogen genomes.	
	<p>Principal Investigator Dr. Dinesh Gupta Research Scientist, International Centre for Genetic Engineering and Biotechnology, P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by WHO</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 20,000</p> <p>Duration 12 Months</p> <p>Subject Area Bioinformatics</p>
395	A multicentre study to compare complication rates of first trimester vacuum aspiration abortion by use of a vaginal tablet of 400 microgram misoprostol for cervical ripening.	
	<p>Principal Investigator Dr. Sunita Mital Professor & Unit Head, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by WHO</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 28,750</p> <p>Duration 12 Months</p> <p>Subject Area Reproductive Health</p>

S.no.	Details of the project	
396	The early predictors of a healthy adolescence: A community cohort study in India.	
	<p>Principal Investigator Dr. Vikram Patel Sangath Centre, 841/1 Alto Porvorim, Goa 403521</p>	<p>Funded by WHO</p> <p>Date of approval March 08, 2002</p> <p>Total budget Rs. 38,06,178</p> <p>Duration 36 Months</p> <p>Subject Area Social & Behavioural Research</p>
397	A double blind randomized comparison of two misoprostol regimen in termination of pregnancy in the second trimester (project no. A 15065).	
	<p>Principal Investigator Dr. Valsamma Chacko Professor & Head, SAT Hospital, Medical College, Trivandrum- 695011</p>	<p>Funded by WHO</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 55,850</p> <p>Duration 12 Months</p> <p>Subject Area Reproductive Health</p>
398	Comparison of two routes and two intervals of administration of misoprostol for the termination of early pregnancy: A randomized multicentre trial" project A 05217.	
	<p>Principal Investigator Dr. Valsamma Chacko Professor, SAT Hospital, Medical College, Trivandrum-695011</p>	<p>Funded by WHO</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 9,800</p> <p>Duration 12 Months</p> <p>Subject Area Reproductive Health</p>

S.no.	Details of the project	
399	Comparison of two routes and two intervals of administration of misoprostol for the termination of early pregnancy: A randomized multicentre trial.	
	<p>Principal Investigator Dr. Sunita Mital Professor & Unit Head, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029</p>	<p>Funded by WHO</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 18,750</p> <p>Duration 12 Months</p> <p>Subject Area Reproductive Health</p>
400	A double blind randomized comparison of two misoprostol regimen in termination of pregnancy in second trimester (project no. A 15065).	
	<p>Principal Investigator Dr. Sunita Mital Professor & Unit Head, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029</p>	<p>Funded by WHO</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 15,965</p> <p>Duration 12 Months</p> <p>Subject Area Reproductive Health</p>
401	Pretreatment with misoprostol before vacuum aspiration for first trimester induced abortion: A multicentre, double blind randomized controlled trial.	
	<p>Principal Investigator Dr. Rashmi Shah Deputy Director, National Institute for Research in Reproductive Health, J. M. Street, Parel, Mumbai-400012</p>	<p>Funded by WHO</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 34,470</p> <p>Duration 18 Months</p> <p>Subject Area Reproductive Health</p>

S.no.	Details of the project	
402	Mortality Surveillance of AIDS in Tamil Nadu.	
	<p>Principal Investigator Dr. V Gajalakshmi Director, Epidemiological Research Center, New No. 27, Canal Road, Kilpauk Garden Colony, Chennai 600 010</p>	<p>Funded by WHO</p> <p>Date of approval March 08, 2002</p> <p>Total budget Not Known</p> <p>Duration Not Known</p> <p>Subject Area HIV/AIDS/ STD</p>
403	Expanded safety and acceptability study of 6% cellulose sulfate protocol no. A00-056/A-15006.	
	<p>Principal Investigator Dr. C P Puri National Institute for Research in Reproductive Health, J. M. Street, Parel, Mumbai-400012</p>	<p>Funded by WHO</p> <p>Date of approval July 10, 2002</p> <p>Total budget \$ 23,904</p> <p>Duration 9 months</p> <p>Subject Area Reproductive Health</p>
404	Multicentre randomized, controlled clinical trial to assess safety and efficacy of injectable paromomycin in patients with visceral leishmaniasis.	
	<p>Principal Investigator Dr. S K Bhattacharya Director, Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, Patna-800007</p>	<p>Funded by WHO</p> <p>Date of approval November 05, 2002</p> <p>Total budget \$ 1,55,900</p> <p>Duration 18 Months</p> <p>Subject Area Leishmaniasis</p>

S.no.	Details of the project	
405	Timing and its significance in the diagnosis and treatment of TB.	
	<p>Principal Investigator Dr. Rajeswari Ramachandran Deputy Director (SG), Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031</p>	<p>Funded by WHO</p> <p>Date of approval February 25, 2003</p> <p>Total budget \$ 39,900</p> <p>Duration 12 Months</p> <p>Subject Area Tuberculosis</p>
406	Multi-Country study on the acceptability of Long Lasting Treated Nets (LLTN).	
	<p>Principal Investigator Dr. K Gunasekaran Assistant Director, Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by WHO</p> <p>Date of approval February 25, 2003</p> <p>Total budget \$ 7,800</p> <p>Duration 20 Months</p> <p>Subject Area Malaria</p>
407	Antimalarial drug resistance studies in India.	
	<p>Principal Investigator Dr. Neena Valecha Malaria Research Centre, 22, Sham Nath Marg, Delhi-110054</p>	<p>Funded by WHO</p> <p>Date of approval February 25, 2003</p> <p>Total budget \$ 20,000</p> <p>Duration 12 Months</p> <p>Subject Area Malaria</p>

S.no.	Details of the project	
408	Multicentre Study of clinical signs predicting severe illness in Young Infant.	
	<p>Principal Investigator Dr. Ashok K Deorari Additional Professor, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029</p>	<p>Funded by WHO</p> <p>Date of approval September 24, 2003</p> <p>Total budget Rs. 31,57,239</p> <p>Duration 18 Months</p> <p>Subject Area Child Health</p>
409	Multicentric study of clinical signs predicting severe illness in young infants.	
	<p>Principal Investigator Dr. Anil Narang Professor & Head, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by WHO</p> <p>Date of approval September 24, 2003</p> <p>Total budget Rs. 30,65,280</p> <p>Duration 18 Months</p> <p>Subject Area Child Health</p>
410	Behavioral risk factors surveillance for non-communicable diseases: An exploratory study into the determinants and community perception in India.	
	<p>Principal Investigator Dr. Bela Shah Sr. Dy. Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi-110029</p>	<p>Funded by WHO</p> <p>Date of approval September 24, 2003</p> <p>Total budget Rs. 11,71,080</p> <p>Duration 12 Months</p> <p>Subject Area NCD Surveillance</p>

S.no.	Details of the project	
411	Microarray based analysis of gene expression in drug resistant leishmania isolated from Indian patients of kala azar.	
	<p>Principal Investigator Dr. Poonam Salotra Assistant Director, Institute of Pathology, Safdarjung Hospital Campus, New Delhi-110029</p>	<p>Funded by WHO</p> <p>Date of approval September 24, 2003</p> <p>Total budget Rs. 10,00,000</p> <p>Duration 12 Months</p> <p>Subject Area Leishmaniasis</p>
412	Development of antifilarial agents based on molecular targets in filarial endosymbiont Wolbachia.	
	<p>Principal Investigator Dr. K Balaraman Deputy Director(SG), Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by WHO</p> <p>Date of approval September 24, 2003</p> <p>Total budget \$ 86,300</p> <p>Duration 36 Months</p> <p>Subject Area Filariasis</p>
413	Comparison of two Mifepristone doses and two intervals of misoprostol administration for termination of early pregnancy : A multinational RCT Project A.15078.	
	<p>Principal Investigator Dr. Sunita Mital Professor & Unit Head, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by WHO</p> <p>Date of approval September 24, 2003</p> <p>Total budget Rs. 7,70,000</p> <p>Duration 12 Months</p> <p>Subject Area Reproductive Health</p>

S.no.	Details of the project	
414	Production of pre-clinical grade recombinant Acidic Basic Repeat Antigen(ABRA)/MSP-9 of P. falciparum.	
	<p>Principal Investigator Dr. Ashima Bhardwaj Research Scientist, International Centre for Genetic Engineering and Biotechnology, P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by WHO</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 29,06,250</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>
415	A randomized study for reducing post abortion bleeding after medical abortion.	
	<p>Principal Investigator Dr. P Sobhana Associate Professor, SAT Hospital, Medical College, Trivandrum- 695011</p>	<p>Funded by WHO</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 4,09,900</p> <p>Duration 12 Months</p> <p>Subject Area Reproductive Health</p>
416	Multicentric evaluation of a sensitive smear microscopy technique for detection of acidfast bacilli in sputum.	
	<p>Principal Investigator Dr. Jaya Sivaswami Tyagi Additional Professor, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by WHO</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 33,60,000</p> <p>Duration 12 Months</p> <p>Subject Area Tuberculosis</p>

S.no.	Details of the project	
417	A multicenter randomized clinical trial of Vitamin C and E supplementation in pregnancy for the prevention of pre-eclampsia.	
	Principal Investigator Dr. Manorama Purwar Professor, Government Medical College, Nagpur -440003	Funded by WHO Date of approval February 28, 2004 Total budget Rs. 23,80,500 Duration 24 Months Subject Area Reproductive Health
418	Comparison of medical and surgical methods to evacuate the uterus in women with a non-viable pregnancy up to 12 weeks of gestation: A randomized multicentre trial project A25121.	
	Principal Investigator Dr. Sunita Mital Professor & Unit Head, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029	Funded by WHO Date of approval February 28, 2004 Total budget Rs. 4,73,800 Duration 12 Months Subject Area Reproductive Health
419	Incidence and risk factors for Pelvic Inflammatory Disease (PID) following induced abortion : A multicentric nested case-control study Project A25026.	
	Principal Investigator Dr. Sunita Mital Professor & Unit Head, All India Institute of Medical Sciences , Ansari Nagar, New Delhi 110029	Funded by WHO Date of approval February 28, 2004 Total budget Nil Duration 12 Months Subject Area Reproductive Health

S.no.	Details of the project	
420	Study of immunogenicity and protective efficacy of rodent homologues of P. falciparum merozoites surface protein(MSP)-9.	
	<p>Principal Investigator Dr. V S Chauhan Director, International Centre for Genetic Engineering and Biotechnology , P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by WHO</p> <p>Date of approval February 28, 2004</p> <p>Total budget Rs. 28,27,200</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>
421	Surveillance of antimicrobial usage and resistance patterns in patients suffering from urinary tract infection: A time series study.	
	<p>Principal Investigator Dr. Usha Gupta Professor, Maulana Azad Medical College, New Delhi-110002</p>	<p>Funded by WHO</p> <p>Date of approval February 28, 2004</p> <p>Total budget Not Known</p> <p>Duration Not Known</p> <p>Subject Area Reproductive Health</p>
422	Comparison of three misoprostol regimes after pretreatment with Mifepristone for early pregnancy termination : A multinational RCT" Project no. A35148.	
	<p>Principal Investigator Dr. Sunita Mital Professor & Unit Head, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by WHO</p> <p>Date of approval April 20, 2004</p> <p>Total budget Rs. 5,36,700</p> <p>Duration 12 Months</p> <p>Subject Area Reproductive Health</p>

S.no.	Details of the project	
423	A structural and biomedical study of homeopathic medicines.	
	<p>Principal Investigator Dr. R K Saxena Associate Professor, Centre for Biomedical Engineering, Indian Institute of Technology, New Delhi -110016</p>	<p>Funded by WHO</p> <p>Date of approval July 24, 2004</p> <p>Total budget \$ 1,72,344</p> <p>Duration 36 Months</p> <p>Subject Area Homeopathy</p>
424	Multi-country validation - study of Aedes aegyptii pupal productivity survey methodology in India.	
	<p>Principal Investigator Dr. D Dominic Amalraj Assistant Director, Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by WHO</p> <p>Date of approval July 24, 2004</p> <p>Total budget Rs. 11,50,000</p> <p>Duration 12 Months</p> <p>Subject Area Filariasis</p>
425	Efficacy of impregnated bed-nets as a vector control measure in kala-azar.	
	<p>Principal Investigator Dr. Kamal Kishore Deputy Director, Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, Patna-800007</p>	<p>Funded by WHO</p> <p>Date of approval July 24, 2004</p> <p>Total budget Rs. 39,73,250</p> <p>Duration 36 Months</p> <p>Subject Area Leishmaniasis</p>

S.no.	Details of the project	
426	Randomized village-scale evaluation to compare efficacy of lambda-cyhalothrin CS with lambda-cyhalothrin WP used in indoor residual spraying for malaria vector control.	
	<p>Principal Investigator Dr. Rajpal S Yadav Malaria Research Centre, Field Station, Civil Hospital, Nadiad -387001</p>	<p>Funded by WHO</p> <p>Date of approval November 01, 2004</p> <p>Total budget Rs. 18,90,019</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>
427	Evolutionary history of human malaria parasite Plasmodium falciparum in India: Population genomic approach.	
	<p>Principal Investigator Dr. Hema Joshi Assistant Director, Malaria Research Centre, 22, Sham Nath Marg, Delhi-110054</p>	<p>Funded by WHO</p> <p>Date of approval May 02, 2005</p> <p>Total budget Rs. 66,25,000</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>
428	Implementation strategies for visceral leishmaniasis treatment in India.	
	<p>Principal Investigator Dr. Shyam Sundar Professor, Institute of Medical Sciences, Banaras Hindu University, Varanasi- 221005</p>	<p>Funded by WHO</p> <p>Date of approval August 17, 2005</p> <p>Total budget Rs. 47,10,332</p> <p>Duration 24 Months</p> <p>Subject Area Leishmaniasis</p>

S.no.	Details of the project	
429	Variable number of tandem repeats genotyping of <i>M. leprae</i> for epidemiological studies in leprosy.	
	<p>Principal Investigator Dr. Abraham Joseph Director, Schieffelin Leprosy Research & Training Centre, Karigiri, Vellore - 632106</p>	<p>Funded by WHO</p> <p>Date of approval August 17, 2005</p> <p>Total budget Rs. 10,42,460</p> <p>Duration 24 Months</p> <p>Subject Area Leprosy</p>
430	Evaluation of MDA (DEC+ALB vs DEC) under Govt. program conditions of NFCP in two blocks of Ghatampur in Kanpur (U P).	
	<p>Principal Investigator Dr. Anil Kumar Deputy Director, Central JALMA Institute for Leprosy, P. Box. No. 101, Tajganj, Agra-282001</p>	<p>Funded by WHO</p> <p>Date of approval August 17, 2005</p> <p>Total budget Rs. 1,91,38,200</p> <p>Duration 72 months</p> <p>Subject Area Filariasis</p>
431	Evaluation of IFN-gamma and IL-12 polarized dendritic cells in preventing and/or clearing mycobacterial infection.	
	<p>Principal Investigator Dr. Krishnamurthy Natarajan Research Scientist, International Centre for Genetic Engineering and Biotechnology, P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by WHO</p> <p>Date of approval October 18, 2005</p> <p>Total budget Rs. 6,90,000</p> <p>Duration 24 Months</p> <p>Subject Area Tuberculosis</p>

S.no.	Details of the project	
432	Treatment of mild to moderate hypertension for the prevention of pre-eclampsia: A randomized clinical trial.	
	<p>Principal Investigator Dr. Manorama Purwar Professor & Head, Government Medical College, Nagpur-440003</p>	<p>Funded by WHO</p> <p>Date of approval October 18, 2005</p> <p>Total budget \$ 45,000</p> <p>Duration 24 Months</p> <p>Subject Area Reproductive Health</p>
433	Identification of candidate antigens for improved early diagnosis of tuberculosis.	
	<p>Principal Investigator Dr. Alamelu Raja Deputy Director, Tuberculosis Research Centre , Mayor V.R. Ramanathan Road, Chetput, Chennai-600031</p>	<p>Funded by WHO</p> <p>Date of approval October 18, 2005</p> <p>Total budget Rs. 34,42,500</p> <p>Duration 12 Months</p> <p>Subject Area Tuberculosis</p>
434	Safety of an aerosol attenuated measles vaccine in healthy subjects, open, non-control, sequential by age group, parallel trial.	
	<p>Principal Investigator Dr. S K Bhattacharya Director, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata,Kolkata 700010.</p>	<p>Funded by WHO</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 51,59,610</p> <p>Duration 24 Months</p> <p>Subject Area Virology</p>

S.no.	Details of the project	
435	Safety of an aerosol attenuated measles vaccine in healthy subjects, open, non-control, sequential by age group, parallel trial.	
	<p>Principal Investigator Dr. Niteen Wairagkar Deputy Director, National Institute of Virology, 20-A, Dr.Ambedkar Road, Pune-411001</p>	<p>Funded by WHO</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 79,20,000</p> <p>Duration 24 Months</p> <p>Subject Area Virology</p>
436	Safety of an aerosol attenuated measles vaccine in healthy subjects; open, non-control, sequential by age group, parallel trial.	
	<p>Principal Investigator Dr. S Balasubramanyam Assistant Director, National Institute of Epidemiology, Mayor V.R. Ramanathan Road, Post Box No. 2577, Chetput, Chennai-600031</p>	<p>Funded by WHO</p> <p>Date of approval January 17, 2006</p> <p>Total budget Rs. 24,82,200</p> <p>Duration 24 Months</p> <p>Subject Area Virology</p>
437	Quality of obstetric care in rural South India : Understanding women's perceptions, decision-making and providers' perspectives.	
	<p>Principal Investigator Dr. Asha Kilaru Research Coordinator, Belaku Trust, 641 29th Main J P Nagar, 1st Phase, Bangalore - 560078</p>	<p>Funded by WHO</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 4,44,000</p> <p>Duration 30 Months</p> <p>Subject Area Reproductive Health</p>

S.no.	Details of the project	
438	Evaluation of verbal autopsy for ascertaining the cause of stillbirths and deaths in the neonatal period in a hospital setting.	
	<p>Principal Investigator Dr. Rajesh Kumar Professor & Head, Post Graduate Institute of Medical Education and Research, Sector 12-D, Chandigarh-160012</p>	<p>Funded by WHO</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 22,35,875</p> <p>Duration 24 Months</p> <p>Subject Area Child Health</p>
439	Screening for pre-eclampsia : Evaluation of the predictive ability of angiogenic factors for pre-eclampsia.	
	<p>Principal Investigator Dr. Manorama Purwar Professor & Head, Government Medical College, Nagpur-440003</p>	<p>Funded by WHO</p> <p>Date of approval April 28, 2006</p> <p>Total budget Rs. 55,80,000</p> <p>Duration 30 Months</p> <p>Subject Area Reproductive Health</p>
440	Functional characterization of gyrase enzyme from Plasmodium falciparum.	
	<p>Principal Investigator Dr. Neelima Mondal Assistant Professor, School of Life Sciences, Jawahar Nehru University, New Delhi - 110067</p>	<p>Funded by WHO</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 7,89,800</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>

S.no.	Details of the project	
441	Identification and characterization of Hs1VU proteasome machinery in Plasmodium falciparum and designing its specific inhibitors.	
	<p>Principal Investigator Dr. Asif Mohmmmed Staff Research Scientist, International Centre for Genetic Engineering and Biotechnology, P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by WHO</p> <p>Date of approval October 31, 2006</p> <p>Total budget Rs. 29,06,800</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>
442	Comparison of two doses and two routes of administration of misoprostol after pretreatment with Mifepristone for early pregnancy termination.	
	<p>Principal Investigator Dr. T Sheela Shenoy Professor & Head, SAT Hospital, Medical College, Trivandrum- 695011</p>	<p>Funded by WHO</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 6,67,500</p> <p>Duration 12 Months</p> <p>Subject Area Reproductive Health</p>
443	Comparison of two doses and two routes of administration of misoprostol after pre-treatment with Mifepristone for early pregnancy termination.	
	<p>Principal Investigator Dr. Lalita S Savardekar Sr.Research Officer, National Institute for Research in Reproductive Health, J. M. Street, Parel, Mumbai-400012</p>	<p>Funded by WHO</p> <p>Date of approval March 19, 2007</p> <p>Total budget \$ 17,300</p> <p>Duration 18 Months</p> <p>Subject Area Reproductive Health</p>

S.no.	Details of the project	
444	Marital and pre marital sexual initiation and its co-relates and further violence in marriage in India.	
	<p>Principal Investigator Dr. Mallika Alexander Consultant RCH, KEM Hospital Research Centre, Rasta Peth, Pune</p>	<p>Funded by WHO</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 11,72,336</p> <p>Duration 12 Months</p> <p>Subject Area Social & Behavioural Research</p>
445	Microarray analysis for identification of genes involved in refractoriness of Indian malarial vector <i>A.culicifacies</i> .	
	<p>Principal Investigator Dr. Raj K Bhatnagar Group Leader, International Centre for Genetic Engineering and Biotechnology, P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by WHO</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 42,57,000</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>
446	Phase III evaluation to compare insecticidal efficacy and community acceptance of long-lasting insecticidal nets with conventional insecticide treated nets in India.	
	<p>Principal Investigator Dr. A P Dash Director, National Institute of Malaria Research, 22 Sham Nath Marg, Delhi-110054</p>	<p>Funded by WHO</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 16,23,266</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>

S.no.	Details of the project	
447	WHO guidelines for feeding of LBW infants: Feasibility, requirements and effects of their implementation in health facilities in India.	
	<p>Principal Investigator Dr. V K Paul Additional Professor, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029</p>	<p>Funded by WHO</p> <p>Date of approval September 12, 2007</p> <p>Total budget Rs. 9,71,700</p> <p>Duration 12 Months</p> <p>Subject Area Child Health</p>
448	Efficacy of zinc (given as an adjunct) in the treatment of severe and very severe pneumonia in hospitalized children children 2-24 months ago.	
	<p>Principal Investigator Dr. Shinjini Bhatnagar Scientist(Grade III), Centre for Diarrhoeal Diseases and Nutrition Research, All India Institute of Medical Sciences, New Delhi-110029</p>	<p>Funded by WHO & Johns Hopkins University</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 1,29,37,650</p> <p>Duration 30 Months</p> <p>Subject Area Child Health</p>
449	Genotyping of measles virus strains circulating in various parts of India.	
	<p>Principal Investigator Dr. Niteen S Wairagkar Assistant Director & Head, National Institute of Virology, 20-A, Dr. Ambedkar Road, Pune-411001</p>	<p>Funded by WHO-IVR</p> <p>Date of approval November 01, 2004</p> <p>Total budget Rs. 28,29,000</p> <p>Duration 24 Months</p> <p>Subject Area Virology</p>

S.no.	Details of the project	
450	Field evaluation of a granule formulation of Bacillus thuringiensis var. israelensis (Bti) against larvae of Anopheles and Culex species in different habitats.	
	<p>Principal Investigator Dr. T Adak Deputy Director, National Institute of Malaria Research, 2, Nanak Enclave, Radio Colony, Delhi 110009</p>	<p>Funded by WHOPEP</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 8,99,775</p> <p>Duration 10 Months</p> <p>Subject Area Malaria</p>
451	Development of a rapid, specific and sensitive diagnostic surveillance tool for an arboviral diseases- japanese encephalitis.	
	<p>Principal Investigator Dr. Lalitha Kabilan Deputy Director, Centre for Research in Medical Entomology, 4, Sarojani Street, Chinnachokkikulam, Madurai-625002</p>	<p>Funded by WHO-SEARO</p> <p>Date of approval December 08, 2000</p> <p>Total budget \$ 37,150</p> <p>Duration 36 Months</p> <p>Subject Area Japanese Encephalitis</p>
452	Monitoring of insecticide resistance in anopheline vectors in different epidemiological situations of malaria in India.	
	<p>Principal Investigator Dr. K Gunasekaran Assistant Director, Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by WHO-SEARO</p> <p>Date of approval December 08, 2000</p> <p>Total budget \$ 15,020</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>

S.no.	Details of the project	
453	Immunohistological studies on skin lesions of post kala-azar dermal leishmaniasis.	
	<p>Principal Investigator Dr. Ashok Mukherjee Director, Institute of Pathology, Safdarjung Hospital Campus, New Delhi-110029</p>	<p>Funded by WHO-TDR</p> <p>Date of approval March 13, 2000</p> <p>Total budget \$ 10,000</p> <p>Duration 24 Months</p> <p>Subject Area Leishmaniasis</p>
454	Feasibility of filariasis elimination using mass drug annual single dose DEC supplemented with DEC fortified salt in endemic clusters.	
	<p>Principal Investigator Dr. K Krishnamoorthy Assistant Director, Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by WHO-TDR</p> <p>Date of approval December 08, 2000</p> <p>Total budget \$ 83,100</p> <p>Duration 36 Months</p> <p>Subject Area Filariasis</p>
455	Clinical trial to assess efficacy and safety of orally administered miltefosine in children with visceral leishmaniasis.	
	<p>Principal Investigator Dr. Shyam Sundar Professor, Institute of Medical Sciences, Banaras Hindu University, Varanasi- 221005</p>	<p>Funded by WHO-TDR</p> <p>Date of approval December 08, 2000</p> <p>Total budget \$ 48,000</p> <p>Duration 12 Months</p> <p>Subject Area Leishmaniasis</p>

S.no.	Details of the project	
456	Molecular biology of olfaction and olfactory conditioning.	
	<p>Principal Investigator Dr. O Siddiqi TIFR National Centre for Biological Sciences, GVKK Campus, Bangalore</p>	<p>Funded by WHO-TDR</p> <p>Date of approval May 03, 2001 Total budget \$ 1,20,000 Duration 36 Months Subject Area Genetics</p>
457	Identification of specific L. donovani genes required for pathogenesis using a genomic microarray.	
	<p>Principal Investigator Dr. Poonam Salotra Assistant Director, Institute of Pathology, Safdarjung Hospital Campus, New Delhi-110029</p>	<p>Funded by WHO-TDR</p> <p>Date of approval May 03, 2001 Total budget \$ 90,575 Duration 24 Months Subject Area Leishmaniasis</p>
458	Operational feasibility of lot quality assurance sampling as a tool for process evaluation in filariasis intervention.	
	<p>Principal Investigator Dr. A Lakshmi Statistical Assistant, Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by WHO-TDR</p> <p>Date of approval May 03, 2001 Total budget \$ 1,47,000 Duration 12 Months Subject Area Filariasis</p>

S.no.	Details of the project	
459	Development of a rapid, cost effective sample survey method for delimitation or for monitoring and evaluation of infection parameters at district level using Og4C3 serum ELISA test kit in bancroftian filariasis.	
	<p>Principal Investigator Dr. L K Das Sr.Research Officer, Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by WHO-TDR</p> <p>Date of approval May 03, 2001</p> <p>Total budget \$ 18,500</p> <p>Duration 24 Months</p> <p>Subject Area Filariasis</p>
460	Evaluation of MDA in the elimination of filariasis.	
	<p>Principal Investigator Dr. R Rajendran Sr.Research Officer, Centre for Research in Medical Entomology, 4, Sarojani Street, Chinnachokkikulam, Madurai-625002</p>	<p>Funded by WHO-TDR</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 1,20,000</p> <p>Duration 36 Months</p> <p>Subject Area Filariasis</p>
461	Community development and partnership strategy for LF drug delivery in urban areas in Uttar Pradesh in India, Varanasi.	
	<p>Principal Investigator Dr. Raj Narain Rai Joint Director, National Institute of Communicable Diseases, Varanasi Branch, Vijaya Nagaram Palace, B.20/44, Bhelupura, Varanasi-221010</p>	<p>Funded by WHO-TDR</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 82,500</p> <p>Duration 36 Months</p> <p>Subject Area Filariasis</p>

S.no.	Details of the project	
462	Development and evaluation of community development and partnership strategy for drug delivery for control of lymphatic filariasis in urban areas of Orissa.	
	<p>Principal Investigator Dr. B V Babu Sr. Research Officer, Regional Medical Research Centre, Chandrasekharpur, Bhubneswar-751023.</p>	<p>Funded by WHO-TDR</p> <p>Date of approval March 08, 2002</p> <p>Total budget \$ 70,400</p> <p>Duration 36 Months</p> <p>Subject Area Filariasis</p>
463	Phase IV trial of miltefosine in the treatment of visceral leishmaniasis (kala-azar).	
	<p>Principal Investigator Dr. S K Bhattacharya Director, Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, Patna-800007</p>	<p>Funded by WHO-TDR</p> <p>Date of approval November 05, 2002</p> <p>Total budget \$ 70,000</p> <p>Duration 24 Months</p> <p>Subject Area Leishmaniasis</p>
464	Uniform MDT regimen for all leprosy patients.	
	<p>Principal Investigator Dr. M D Gupte Director, National Institute of Epidemiology, Mayor V.R. Ramanathan Road, Post Box No. 2577, Chetput, Chennai-600031</p>	<p>Funded by WHO-TDR</p> <p>Date of approval February 25, 2003</p> <p>Total budget \$ 96,000</p> <p>Duration 84 Months</p> <p>Subject Area Leprosy</p>

S.no.	Details of the project	
465	Studies on dengue and dengue haemorrhagic fever in Rajasthan.	
	<p>Principal Investigator Dr. Vinod Joshi Deputy Director & Head, Desert Medicine Research Centre, New Pali Road, Jodhpur-342005</p>	<p>Funded by WHO-TDR</p> <p>Date of approval May 08, 2003 Total budget \$ 1,57,288 Duration 36 Months Subject Area Dengue</p>
466	Field evaluation of novel diagnostic tests for V. leishmaniasis: Freeze dried DAT, RK 39 dipstick and KATEX.	
	<p>Principal Investigator Dr. Shyam Sundar Professor, Institute of Medical Sciences, Banaras Hindu University, Varanasi- 221005</p>	<p>Funded by WHO-TDR</p> <p>Date of approval July 24, 2004 Total budget Rs. 45,94,550 Duration 24 Months Subject Area Leishmaniasis</p>
467	High throughput functional analysis of putative merozoite invasion molecules of P. falciparum using RNAi.	
	<p>Principal Investigator Dr. Pawan Malhotra Sr. Research Scientist, International Centre for Genetic Engineering and Biotechnology, P O Box 10504, Aruna Asaf Ali Marg, New Delhi -110067</p>	<p>Funded by WHO-TDR</p> <p>Date of approval November 01, 2004 Total budget Rs. 45,02,600 Duration 36 Months Subject Area Malaria</p>

S.no.	Details of the project	
468	Molecular characterization of nitric oxide synthase in Anopheles culicifacies: Relevance for refractory mechanism.	
	<p>Principal Investigator Dr. Arun Sharma Deputy Director, Malaria Research Centre, 22, Sham Nath Marg, Delhi-110054</p>	<p>Funded by WHO-TDR</p> <p>Date of approval April 04, 2005 Total budget Rs. 64,23,750 Duration 36 Months Subject Area Malaria</p>
469	Safety and efficacy of oral miltefosine in patients with Post Kala Azar Dermal Leishmaniasis (PKDL)- dose finding study comparing 8 and 12 weeks of treatment open, randomized dose ranging multicentre trial.	
	<p>Principal Investigator Dr. T K Jha Kala-azar Research Centre, Brahmpura, Muzaffarpur - 842003</p>	<p>Funded by WHO-TDR</p> <p>Date of approval August 17, 2005 Total budget Rs. 13,50,000 Duration 24 Months Subject Area Leishmaniasis</p>
470	Gender issues in leprosy- inequalities and marginalisation of women in rural India.	
	<p>Principal Investigator Dr. Solomon M Raju Research Officer, The Leprosy Mission India, CNI Bhavan, 16, Pandit Pant Marg, New Delhi-110001</p>	<p>Funded by WHO-TDR</p> <p>Date of approval April 28, 2006 Total budget Rs. 11,49,000 Duration 12 Months Subject Area Leprosy</p>

S.no.	Details of the project	
471	The efficacy and safety of a short course of miltefosine and liposomal amphotericin B for visceral leishmaniasis in India.	
	<p>Principal Investigator Dr. Shyam Sundar Professor, Institute of Medical Sciences, Banaras Hindu University, Varanasi- 221005</p>	<p>Funded by WHO-TDR</p> <p>Date of approval August 09, 2006</p> <p>Total budget Nil</p> <p>Duration 18 Months</p> <p>Subject Area Leishmaniasis</p>
472	Early identification of asymptomatic cases of kala-azar in endemic foci of Bihar, India: An epidemiological and sociobehavioral study.	
	<p>Principal Investigator Dr. V N R Das Sr. Research Officer, R Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, Patna-800007</p>	<p>Funded by WHO-TDR</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 3,50,000</p> <p>Duration 18 Months</p> <p>Subject Area Leishmaniasis</p>
473	A randomized clinical trial with four anti malarials to study comparative efficacy, in treatment of uncomplicated P.falciparum malaria.	
	<p>Principal Investigator Dr. Anna Salomi Kerketta Sr. Research Officer, Regional Medical Research Centre, Chandrasekharpur, Bhubneswar-751023.</p>	<p>Funded by WHO-TDR</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 66,64,300</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>

S.no.	Details of the project	
474	Vector surveillance using RS/GIS for disease mapping and developing warning system for dengue control in Kerala, India.	
	<p>Principal Investigator Dr. B K Tyagi Officer In Charge, Centre for Research in Medical Entomology, 4, Sarojani Street, Chinnachokkikulam, Madurai-625002</p>	<p>Funded by WHO-TDR</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 73,70,000</p> <p>Duration 36 Months</p> <p>Subject Area Dengue</p>
475	Morbidity management to reduce lymphatic filarial disease in MDA implemented villages of Tirukoilur, South India.	
	<p>Principal Investigator Dr. R Rajendran Assistant Director, Centre for Research in Medical Entomology, 4, Sarojani Street, Chinnachokkikulam, Madurai-625002</p>	<p>Funded by WHO-TDR</p> <p>Date of approval October 31, 2006</p> <p>Total budget Rs. 44,94,600</p> <p>Duration 36 Months</p> <p>Subject Area Filariasis</p>
476	Eco-Bio-Social aspects of dengue in urban and peri-urban ecosystems in Tamil Nadu, India.	
	<p>Principal Investigator Dr. N Arunachalam Deputy Director (SG), Centre for Research in Medical Entomology, 4, Sarojani Street, Chinnachokkikulam, Madurai-625002</p>	<p>Funded by WHO-TDR</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 58,05,000</p> <p>Duration 24 Months</p> <p>Subject Area Dengue</p>

S.no.	Details of the project	
477	Cost-effective vector management in relation to VL elimination in Bihar, India.	
	<p>Principal Investigator Dr. Pradeep Das Director, Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, Patna-800007</p>	<p>Funded by WHO-TDR</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 9,02,745</p> <p>Duration 12 Months</p> <p>Subject Area Leishmaniasis</p>
478	Isolation and characterization of macrofilaricidal leads from natural products.	
	<p>Principal Investigator Dr. Nisha Mathew Sr. Research Officer, Vector Control Research Centre, Medical complex, Indira Nagar, Pondicherry-605006</p>	<p>Funded by WHO-TDR</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 10,53,410</p> <p>Duration 36 Months</p> <p>Subject Area Filariasis</p>
479	Mapping of insecticide resistance in vectors of malaria in Rajasthan State, India.	
	<p>Principal Investigator Dr. Karam V Singh Deputy Director, Desert Medicine Research Centre, New Pali Road, Jodhpur-342005</p>	<p>Funded by WHO-TDR</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 6,87,000</p> <p>Duration 18 Months</p> <p>Subject Area Malaria</p>

S.no.	Details of the project	
480	Estimation of malaria disease burden in Jharkhand state of India.	
	<p>Principal Investigator Dr. Ashwani Kumar Assistant Director, Malaria Research Centre Field Station, Panaji, Goa-403001</p>	<p>Funded by WHO-USAID</p> <p>Date of approval April 04, 2005</p> <p>Total budget Rs. 44,02,000</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>
481	Assessment of therapeutic efficacy of antimalarial drugs against uncomplicated <i>P. falciparum</i> malaria.	
	<p>Principal Investigator Dr. Neena Valecha Deputy Director, Malaria Research Centre, 22, Sham Nath Marg, Delhi-110054</p>	<p>Funded by WHO-USAID</p> <p>Date of approval April 04, 2005</p> <p>Total budget Rs. 29,90,000</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>
482	Assessment of malaria treatment practices in public and private health sectors.	
	<p>Principal Investigator Dr. Neena Valecha Deputy Director, Malaria Research Centre, 22, Sham Nath Marg, Delhi-110054</p>	<p>Funded by WHO-USAID</p> <p>Date of approval May 02, 2005</p> <p>Total budget Rs. 32,87,000</p> <p>Duration 24 Months</p> <p>Subject Area Malaria</p>

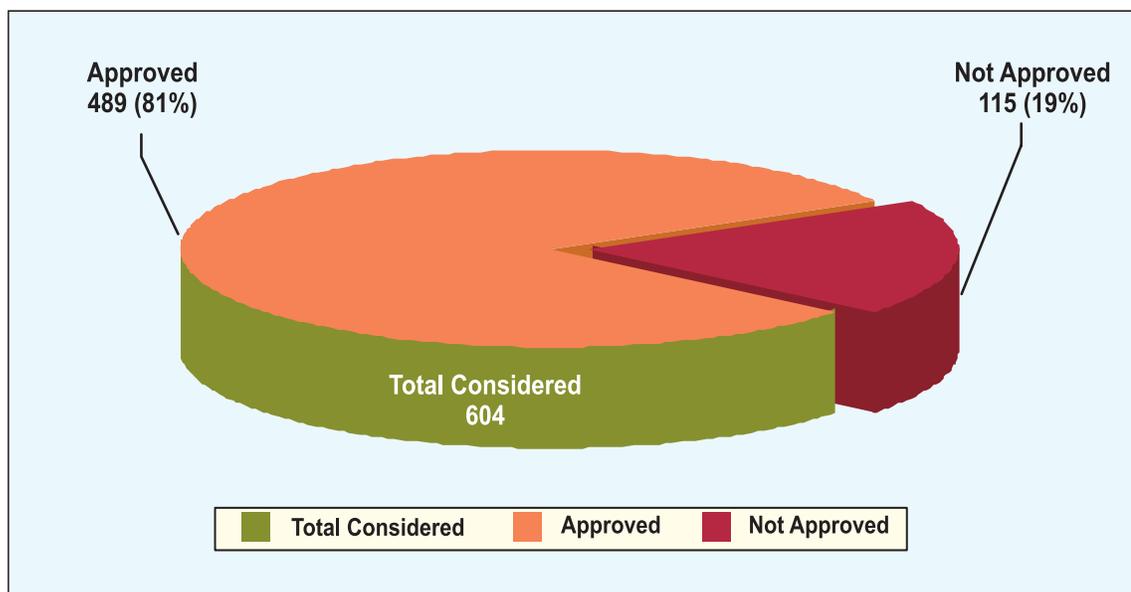
S.no.	Details of the project	
483	Scaling-up implementation of evidence-based antimalarial treatment policy in India.	
	<p>Principal Investigator Dr. A P Dash Director, National Institute of Malaria Research, 22 Sham Nath Marg, Delhi-110054</p>	<p>Funded by WHO-USAID</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 1,03,49,940</p> <p>Duration 36 Months</p> <p>Subject Area Malaria</p>
484	Studies on integrin receptor mediated signaling and regulation of MMPs expression & function 19n relation to tumor metastasis.	
	<p>Principal Investigator Dr. Amitava Chatterjee Head, Chittaranjan National Cancer Institute, 37 SP Mukherjee Road, Kolkata-700026</p>	<p>Funded by Wistar Institute, USA</p> <p>Date of approval October 18, 2005</p> <p>Total budget Nil</p> <p>Duration 36 Months</p> <p>Subject Area Oncology</p>
485	Reducing HIV risk among psychiatric patients in India.	
	<p>Principal Investigator Dr. Prabha S Chandra Associate Professor, National Institute of Mental Health & Neuro Sciences, Bangalore 560029</p>	<p>Funded by World Aids Foundation, United Kingdom</p> <p>Date of approval July 06, 2000</p> <p>Total budget \$ 75,285</p> <p>Duration 24 Months</p> <p>Subject Area HIV/AIDS/ STD</p>

S.no.	Details of the project	
486	Community Based HIV Prevention among females at risk in Bangalore, India.	
	<p>Principal Investigator Dr. Vivek Benegal Assistant Professor, National Institute of Mental Health & Neuro Sciences, Bangalore 560029</p>	<p>Funded by World Aids Foundation, United Kingdom</p> <p>Date of approval August 09, 2006</p> <p>Total budget Rs. 31,73,985</p> <p>Duration 24 Months</p> <p>Subject Area HIV/AIDS/ STD</p>
487	Food assistance to improve treatment outcome for TB and HIV patients.	
	<p>Principal Investigator Dr. P R Narayanan Director, Tuberculosis Research Centre, Mayor V.R. Ramanathan Road, Chetput, Chennai-600031</p>	<p>Funded by World Food Programme</p> <p>Date of approval July 10, 2002</p> <p>Total budget \$ 51,672</p> <p>Duration 12 Months</p> <p>Subject Area HIV/ Tuberculosis</p>
488	Randomized controlled field trial of a probiotic to assess its role in the prevention of acute diarrhoeal diseases in children.	
	<p>Principal Investigator Dr. S K Bhattacharya Director, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010.</p>	<p>Funded by Yakult Central Institute for Microbiological Research, Japan</p> <p>Date of approval March 19, 2007</p> <p>Total budget Rs. 1,61,21,512</p> <p>Duration 10 Months</p> <p>Subject Area Diarrhoeal Diseases</p>

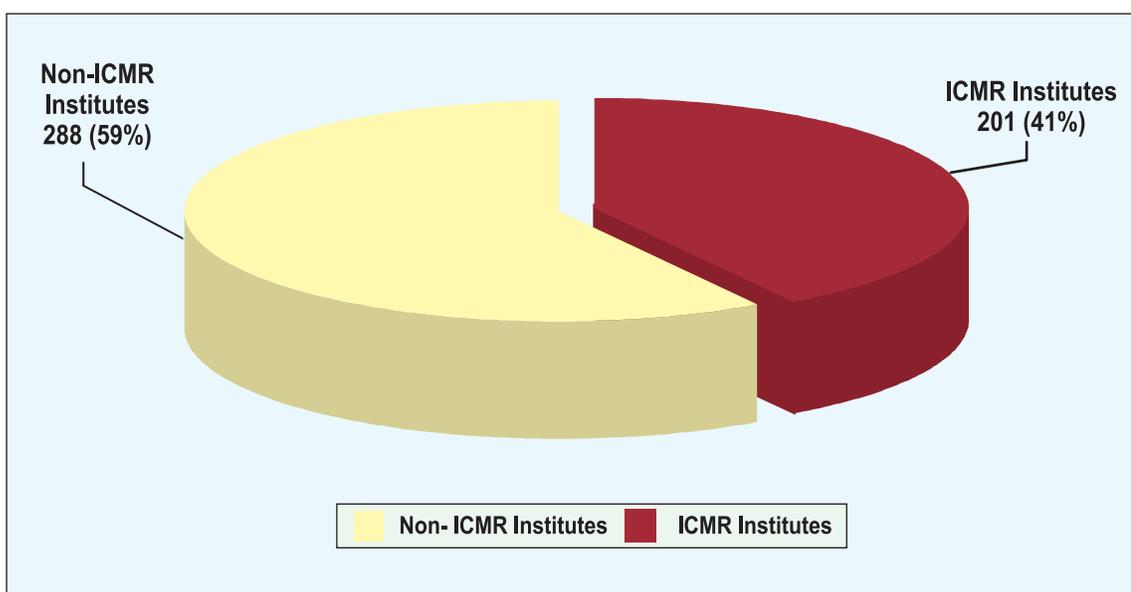
S.no.	Details of the project	
489	D-Serine facilitation of cognitive retraining in schizophrenia.	
	<p>Principal Investigator Dr. Chittaranjan Andrade Additional Professor, National Institute of Mental Health & Neuro Sciences, Bangalore 560029</p>	<p>Funded by Yale University School of Medicine, USA</p> <p>Date of approval May 02, 2005</p> <p>Total budget Rs. 35,41,200</p> <p>Duration 36 Months</p> <p>Subject Area Neurosciences</p>

Facts and Figures

Number of international collaborative proposals considered and approved by HMSC during the years 2000 to 2007

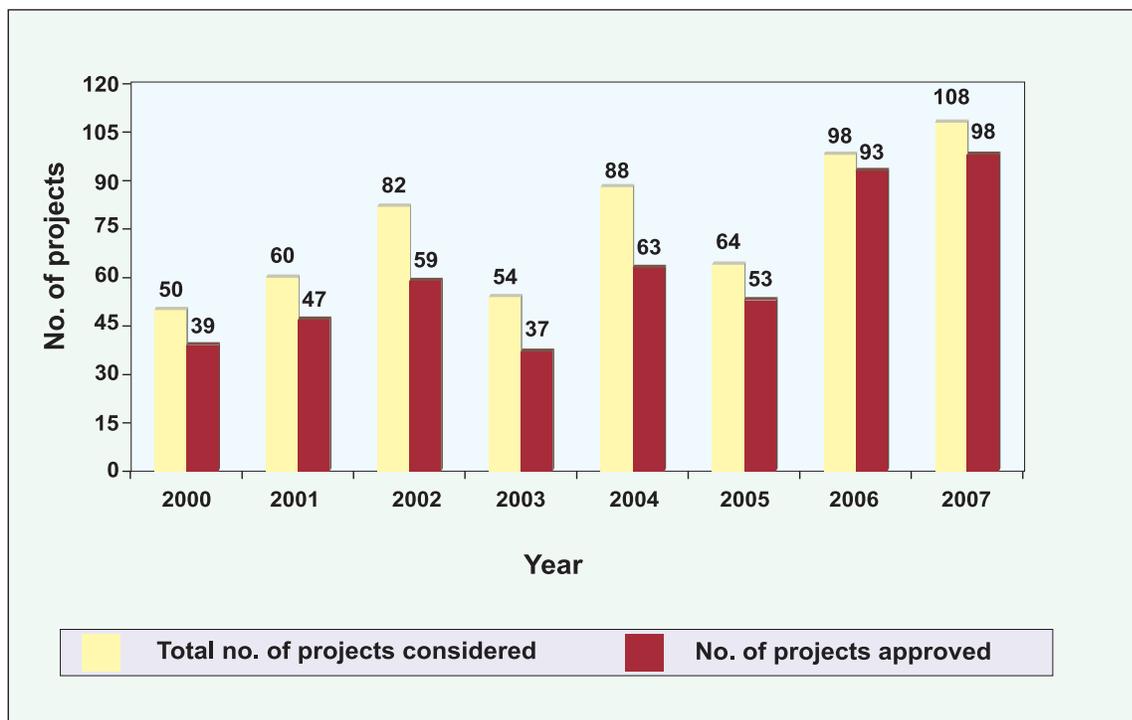


International collaborative projects undertaken at ICMR & Non-ICMR Institutes during the years 2000 to 2007



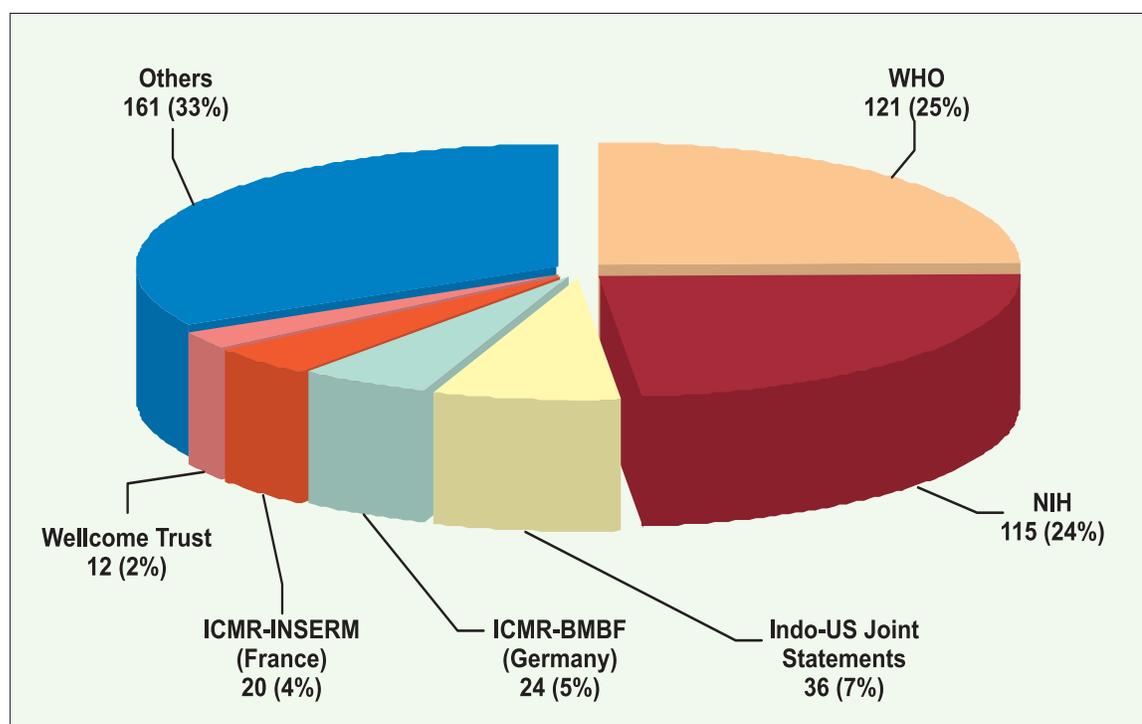
Proposals considered & approved by HMSC during the years 2000 to 2007

Year	Total no. of projects considered	No. of projects approved
2000	50	39
2001	60	47
2002	82	59
2003	54	37
2004	88	63
2005	64	53
2006	98	93
2007	108	98
Total	604	489



Funding agency wise representation of projects approved by HMSC during the years 2000 to 2007

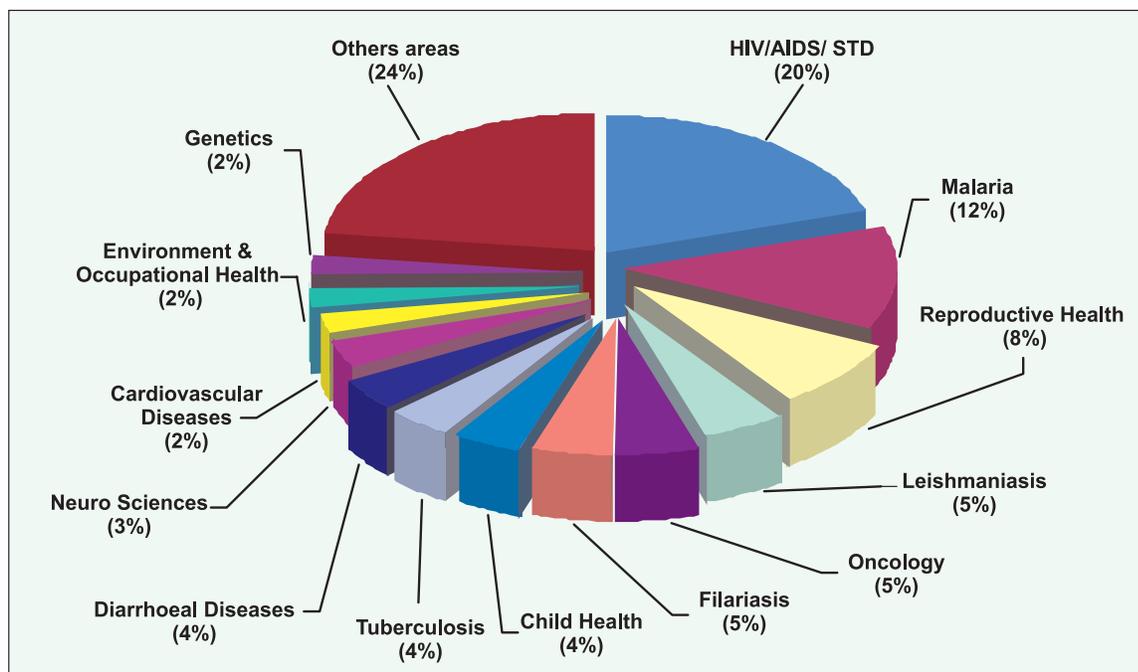
Funding agency	Projects approved (489)
WHO	121
NIH	115
Indo-US Joint Statements	36
ICMR-BMBF (Germany)	24
ICMR-INSERM (France)	20
Wellcome Trust	12
Other agencies*	161



* Other agencies with less than 10 projects include IVI, EU, Bill & Melinda Gates Foundation, IFCPAR, USAID, MRC-UK, CONRAD, Institute of One World Health, CDC, CIHR, DNDi, FHI, Health Effects Institute, IAVI, IBCSG, IRCCS, AREAS, JICA, MMV, PATH, WAF, ILTP, IAEA, IDRI, various Foreign Universities etc.

Subject area wise representation of projects approved by HMSC during the years 2000 to 2007

Subject area	Projects approved (489)
HIV/AIDS/ STD	98
Malaria	60
Reproductive Health	39
Leishmaniasis	25
Oncology	24
Filariasis	23
Child Health	20
Tuberculosis	20
Diarrhoeal Diseases	19
Neuro Sciences	15
Cardiovascular Diseases	12
Environment & Occupational Health	11
Genetics	10
Others areas [†]	113



[†] An exhaustive list of all subject areas is compiled in "Sub areas under which international collaborative projects were undertaken during the years 2000 to 2007"

Sub areas under which international collaborative projects were undertaken during the years 2000 to 2007

Major Areas#	Sub-areas
HIV/AIDS(98) <ul style="list-style-type: none"> ▪ HIV/AIDS-Tuberculosis(5) ▪ HIV/AIDS-STD(93) 	<ul style="list-style-type: none"> ▪ Prevention/ Intervention trials ▪ Behavioral research ▪ Health Systems Research ▪ Clinical trials ▪ Genetics & molecular biology ▪ Immunology ▪ Vaccine trials ▪ Surveillance ▪ Diagnostic tool development ▪ Neurovirology
Malaria (60)	<ul style="list-style-type: none"> ▪ Genetics & molecular biology ▪ Vector control ▪ Epidemiology ▪ Drug development ▪ Health Systems Research ▪ Vaccine trials ▪ Pharmacotherapy ▪ Immunology ▪ Drug and Insecticide resistance ▪ Others (Including projects on geospatial studies, mathematical modeling & public policy linkages and disease susceptibility models.
Reproductive Health(39)	<ul style="list-style-type: none"> ▪ Clinical trials ▪ Microbicides ▪ Epidemiology & surveillance ▪ Behavioral factors
Leishmaniasis (25)	<ul style="list-style-type: none"> ▪ Clinical trials ▪ Genetics & molecular biology ▪ Health Systems Research ▪ Surveillance & vector control
Oncology (24)	<ul style="list-style-type: none"> ▪ Clinical trials ▪ Epidemiology & surveillance ▪ Molecular biology & genetics ▪ Novel techniques ▪ Others (including study on radiation oncology)
Filariasis (23)	<ul style="list-style-type: none"> ▪ Drug development ▪ Epidemiology ▪ Health Systems Research ▪ Pharmaco-therapy ▪ Immunology ▪ Diagnostic tool development
Child Health (20)	<ul style="list-style-type: none"> ▪ Epidemiology & surveillance ▪ Clinical trials ▪ Capacity building ▪ Influenza vaccine

Table Continued ...

Major Areas#	Sub-areas
Tuberculosis(20)	<ul style="list-style-type: none"> ▪ Epidemiology ▪ Diagnostic tool development ▪ Immunology ▪ Drug resistance and disease susceptibility
Diarrhoeal Diseases(19)	<ul style="list-style-type: none"> ▪ Vaccine trials ▪ Genomics ▪ Prevention/Intervention trials
Neuroscience (15)	<ul style="list-style-type: none"> ▪ Geriatrics ▪ Molecular biology & genetics ▪ Others (Including study on cognitive retraining and home based interventions)
Cardiovascular Diseases (12)	<ul style="list-style-type: none"> ▪ Clinical trials ▪ Risk factor identification (including cohort study)
Environment & Occupational Health(11)	<ul style="list-style-type: none"> ▪ Air pollution ▪ Surveillance ▪ Arsenic toxicity
Genetics(10)	<ul style="list-style-type: none"> ▪ Molecular genetics
Other areas(113) Leprosy(9)	<ul style="list-style-type: none"> ▪ Genetics & molecular biology ▪ Prevention trials
Mental Health(9)	<ul style="list-style-type: none"> ▪ Schizophrenia ▪ Genetics ▪ Integration of treatment of CMD's in primary care
Nutrition (9)	<ul style="list-style-type: none"> ▪ Health Systems Research ▪ Basic science
Virology (8)	<ul style="list-style-type: none"> ▪ Vaccine trials ▪ Epidemiology & surveillance
Ophthalmology(8)	<ul style="list-style-type: none"> ▪ Epidemiology ▪ Others (Including study on rehabilitation in congenital blindness)
Diabetes (7) [‡]	<ul style="list-style-type: none"> ▪ Genomics & molecular biology
Haematology(6)	<ul style="list-style-type: none"> ▪ Immunology ▪ Genetics & molecular biology
Dengue (6)	<ul style="list-style-type: none"> ▪ Surveillance ▪ Vector control & genetics
Alternative Medicinal Systems(5) <ul style="list-style-type: none"> ▪ Ayurveda ▪ Homeopathy ▪ Yoga 	<ul style="list-style-type: none"> ▪ Capacity building ▪ Biochemistry ▪ Yoga
Bioethics(5)	<ul style="list-style-type: none"> ▪ Capacity building ▪ Public policy
Basic Sciences [§] (5)	
Social & Behavioral Research(5)	<ul style="list-style-type: none"> ▪ Cohort study on healthy adolescence ▪ Exploring the relationship of domestic violence with poor maternal and infant health

Table Continued ...

[‡] Projects exploring CVD and Diabetes—have been clubbed with Cardiovascular Diseases in the list whereas studies on Diabetes have been put under a different head.

[§] not classified elsewhere.

Major Areas [#]	Sub-areas
Bioinformatics(4)	<ul style="list-style-type: none"> ▪ Genomics ▪ Telemedicine
Health Systems Research(4)	<ul style="list-style-type: none"> ▪ Health financing ▪ Surveillance
Infectious Diseases [§] (4)	
Japanese Encephalitis(3)	<ul style="list-style-type: none"> ▪ Molecular biology
Parasitic Infections (3)	
Immunology (2)	<ul style="list-style-type: none"> ▪ Transplant immunology
Gastroenterology (2)	<ul style="list-style-type: none"> ▪ Liver diseases
Non-Communicable Dis. Surveillance (2)	Details are available in the list of international collaborative projects
Psychology (2)	
Stem Cell Research (2)	
Influenza (2)	
Endocrinology (1)	
Field Epidemiology Training Programme (1)	

[#] Total number of approved projects are shown in bracket.

Trends in Biomedical Research

The HMSC granted approval to a total of 489 international collaborative projects during the years 2000 to 2007. The approved collaborative projects were in varied subject areas. This information can be used as an evidence base to analyze whether international collaborative projects were undertaken only in certain major areas of research. We hope that the current analysis will help in identifying those areas which need further attention and would help policy makers to formulate a better informed strategic decision making.

The maximum number of projects approved were 98 projects in the area of HIV/AIDS with a representation of 20% of total approved projects. Out of these, five projects focused exclusively on HIV/AIDS and tuberculosis while remaining 93 were on various areas related to HIV/AIDS and STD. The projects broadly focused on prevention/intervention, behavioral aspects of disease and such research issues which could be incorporated in the national health systems. The clinical/vaccine trials and genomics research was also undertaken through certain projects for effective prevention and treatment of HIV/AIDS.

Subsequent focus, as manifested by 60 projects, was on Malaria. Predominantly, the genomics and molecular biology approach was undertaken for research in this area. Other areas in which projects were undertaken included vector control, epidemiology, drug and vaccine development. Use of newer geo epidemiological techniques such as geo informatics systems (GIS) and mathematical modeling as well as public policy impact evaluation has begun showing forays in the domain of international collaborative research on Malaria.

Within the area of Reproductive health, 39 projects were approved during the above said period. The projects were undertaken as clinical trials and epidemiology/surveillance studies. The emerging areas of research such as studies on microbicide were also undertaken which embarks the public policy focus on novel preventive strategies.

An important thrust area appears to be Leishmaniasis with 25 projects, where clinical trials, genomics and vector control measures predominated. The relatively lower efficacy profile and high index of adverse reactions of older agents has prompted newer anti-infective product development strategies and hence increasing number of clinical trials in the field of leishmaniasis.

The international collaboration on Oncology resulted into 24 projects, with more than one third as clinical trials. Other areas of concentration included genomics and evaluation of novel techniques for diagnostic and therapeutic accuracy in cancer. However, radiation oncology had just one international collaborative project, which is an area where technology transfer and future integration with nuclear medicine has immense value, both in basic science and translational research.

The approved research projects on Filariasis amounted to 23 projects, where the maximum

focus was on preventive strategic research and drug development.

The area of Child Health was explored through 20 international collaborative projects where emphasis was on epidemiology and surveillance, clinical trials and influenza vaccine development to improve the current treatment options and hence maximize the benefits.

The collaborative projects undertaken in Tuberculosis numbered 20 projects with major focus on epidemiology, immunology and drug resistance studies.

The collaborative programme on Diarrhoeal diseases constituted of 19 projects undertaken during the years 2000 to 2007. The studies undertook scientific exploration in areas such as vaccine and prevention/intervention trials and genomics.

Neuroscience studies consisted of 15 projects, where a diverse set of areas like geriatrics, molecular biology, cognitive retraining etc. were considered. However, work has also begun on home based therapeutic interventions, which if improved, could change the outcome of currently practiced service delivery modalities.

The projects undertaken on cardiovascular diseases amounted to 12 projects, where the trend of focus was on the risk factor identification and clinical trials. The Environment & Occupational Health consisted of 11 projects primarily focusing on pollution and establishing patterns of surveillance.

Projects in the area of genetics were 10 in number mainly focusing on molecular genetics.

However, few notable areas such as alternative systems of medicine, bioethics, bioinformatics and stem cell research etc (outlined under other areas in the table on page no- 199-201) had minimal number of projects for international collaboration. Some of these are the upcoming fields of research and need to be taken up with certain international institutes working in these areas.

Composition of Health Ministry's Screening Committee

Chairman	Secretary (Department of Health Research) Ministry of Health & Family Welfare Govt. of India, New Delhi
Co-Chairman	Director General / Additional Director General Indian Council of Medical Research (ICMR) New Delhi
Members	Director General of Health Services Directorate General of Health Services (DGHS) New Delhi Additional Secretary Ministry of Health & Family Welfare New Delhi Project Director / Director General National AIDS Control Organization (NACO) Ministry of Health & Family Welfare New Delhi Joint Secretary (Medical Research) Ministry of Health & Family Welfare New Delhi Joint Secretary (International Cooperation) Ministry of Health & Family Welfare New Delhi Joint Secretary (Co-ordination) Ministry of External Affairs New Delhi

Joint Secretary (Investment & Trade Promotion)

Ministry of External Affairs
New Delhi

Director / Dy. Secretary (International Cooperation)

Ministry of Health & Family Welfare
New Delhi

Director (Family Welfare)

Ministry of Health & Family Welfare
New Delhi

Director General/ Additional Director General

Armed Forces Medical Services (Medical Research)
DGAFMS, Ministry of Defence
New Delhi

Joint Secretary (Fund Bank)

Department of Economic Affairs
Ministry of Finance
New Delhi

Representative from Department of Science and Technology (DST)

Ministry of Science & Technology
New Delhi

Representative from Department of Biotechnology (DBT)

Ministry of Science & Technology
New Delhi

Member Secretary

Head, International Health Division

Indian Council of Medical Research
New Delhi

List of Eminent Scientists / Experts associated with the project

1. **Dr. R. C. Mahajan**
Adviser, ECD, Emeritus Prof., Deptt of Parasitology
Post Graduate Institute of Medical Education & Research
Chandigarh-160 012
2. **Dr. T. D. Chugh**
Former Prof & Head, Dept. of Microbiology
Dayanand Medical College
Rohtak-124 001
3. **Dr. N. K. Mehra**
Prof.& Head
Dept. of Transplant Immunology & Immunogenetics
All India Institute of Medical Sciences
Ansari Nagar, New Delhi-110 029
4. **Dr. S. Broor**
Prof., Dept. of Microbiology
All India Institute of Medical Sciences
Ansari Nagar, New Delhi- 110 029
5. **Dr. N. L. Kalra**
A-38, Swasthya Vihar
Vikas Marg, Delhi- 110 092
6. **Dr. C. M. Gupta**
Former Director,
Central Drug Research Institute (CDRI)
Chattar Manzil, Post Box No. 173
Lucknow- 226 001
7. **Dr. V. I. Mathan**
ICMR Chair of Epidemiology at NIE
National Institute of Epidemiology(NIE)
Chetpet, Chennai – 600 031

- 8. Dr. S. Pattanayak**
B – 91, Swasthya Vihar
Delhi-110 092
- 9. Dr. M. K. K. Pillai**
37, Sakshar Apartments
A- 3, Paschim Vihar
New Delhi-110 063
- 10. Dr. S Y Quraishi**
Former Addl. Secretary & Project Director
National AIDS Control Organisation
MOH&FW, New Delhi -110 011
- 11. Dr. C A K Yesudian**
Prof. & Dean (Research and Development)
Tata Institute of Social Sciences (TISS)
Mumbai-400 088
- 12. Dr. T Jacob John**
Former Prof. & Head
Christian Medical College
Vellore-632 004
- 13. Dr. Nimesh Desai**
Prof. & Head
Dept of Psychiatry & Medical Superintendent
Institute of Human Behaviour and Allied Sciences
Delhi-110 095

National Funding Agencies

	<p>Indian Council of Medical Research (ICMR) V. Ramalingaswami Bhawan Ansari Nagar, New Delhi – 110 029 Tel : 011- 26589336, 26588980, 26589873 Fax: 011- 26588662, 26589791, 26589492 http://www.icmr.nic.in</p>
	<p>Department of Biotechnology (DBT) Block 2, 7th Floor, CGO Complex Lodhi Road, New Delhi-110 003 Tel : 011-24362950 Fax: 011-24362884 http://www.dbtindia.gov.in http://www.bitsnet.gov.in</p>
	<p>Department of Science & Technology (DST) Ministry of Science & Technology Technology Bhavan, New Mehrauli Road New Delhi –110 016 Tel : 011-26567373, 26962819 Fax: 011-26864570, 26862418 http://www.dst.gov.in</p>
	<p>Council of Scientific & Industrial Research (CSIR) Anusandhan Bhavan 2, Rafi Ahmed Kidwai Marg New Delhi-110 001 Tel : 011-23737889, 23710138 Fax: 011-23710618 http://www.csir.res.in</p>
	<p>Indian National Science Academy (INSA) Bahadur Shah Zafar Marg New Delhi-110 002 Tel : 011-23221931, 23221950 (20 lines) Fax: 011-23235648, 23231095 http://www.insa.ac.in</p>
	<p>Defence Research and Development Organization (DRDO) Ministry of Defence, Govt. of India DRDO Bhawan, Rajaji Marg, New Delhi - 110 105 Tel : 011-23011073 Fax : 011-23007636 http://www.drdo.org</p>

International Funding Agencies

1. **ANRS (the National Agency for AIDS Research)**
101 rue de Tolbiac – 75013, Paris, France
Tel: +33-1-53 94 60 00
Fax: +33-1-53 94 60 02
<http://www.anrs.fr>
2. **Bill & Melinda Gates Foundation**
P.O. Box. 23350
Seattle, WA-98102, USA
Tel: +1-206-709 3100, 709 3140
<http://www.gatesfoundation.org>
3. **Centres for Disease Control and Prevention (CDC)**
1600 Clifton Rd
Atlanta, GA 30333, USA
Tel: +1-404-639 3311
<http://www.cdc.gov>
4. **Department for International Development**
British High Commission
B 28 Tara Crescent, Qutab Institutional Area
New Delhi-110 016
Tel: +91-11-2652 9123
Fax: +91-11-2652 9296
<http://www.dfidindia.org>
5. **International Buro(IB) of the Federal Ministry of Education and Research(BMBF) at the German Space Agency (DLR)**
(German counterpart for scientific collaboration with India)
Heinrich-Konen –stra ße1
D-53227 Bonn, Germany
Tel: +49-228-3821406
Fax: +49-228-3821444
<http://www.internationales-buero.de>

- 6. Ford Foundation**
55, Lodhi Estate
New Delhi-110 003
Tel: +91-11-2461-9441
Fax: +91-11-2462-7147
<http://www.fordfound.org>
- 7. Global Strategies for HIV Prevention (Global Fund)**
Research Programme Director
104, Dominican Drive, San Rafael, CA-94901, USA
Tel: +1-415-451 1814
Fax: +1-415-456 2622
<http://www.globalstrategies.org>
- 8. International Development Research Centre (IDRC)**
208 Jor Bagh
New Delhi-110 003
Tel: +91-11-2461-9411/12/13
Fax: +91-11-2462-2707
<http://www.idrc.ca/saro>
- 9. Institut National de la Santé et de la Recherche Médicale (INSERM)**
101, rue de Tolbiac 75654
Cedex 13, Paris, France
Tel: +33-1-4423 6180
Fax: +33-1-4585 1467
<http://www.inserm.fr>
- 10. Indo-French Centre for the Promotion of Advance Research (IFCPAR)**
5 B, Ground Floor, India Habitat Centre
Lodhi Road, New Delhi-110 003
Tel: +91-11-2468 2251 / 2468 2252
Fax: +91-11-2464 8632
<http://www.cefipra.org>
- 11. International AIDS Vaccine Initiative (IAVI)**
India Office
193, Floor 1, Jorbagh
New Delhi-110 003
Tel: +91-11-24652668 / 24652669 / 24610761 / 24610762
Fax: +91-11- 24646464
<http://www.iavi.org>

12. International Vaccine Institute(IVI)

Kwanak PO Box 14
Seoul, Korea
Tel: +82-2-872-2801
Fax: +82-2-872-2803
<http://www.ivi.int>

13. Johns Hopkins University(JHU)

Administrative Coordinator
Research Projects Administration
720, Rutland Avenue, Ross 1159
Baltimore, Maryland 21205, USA
Tel: +1-410-516 5256
Fax: +1-410-516 7775
<http://www.jhu.edu>

14. Japan International Cooperation Agency (JICA)

6th–13th floors, Shinjuku Maynds Tower
2-1-1 Yoyogi, Shibuya-ku
Tokyo 151-8558, Japan
Tel: +81-3-5352-5311/5312/5313/5314
Fax: +81-3-5352-5150

JICA India Office:

3A, 3rd Floor, Lotus Towers
Community Centre, New Friends Colony
New Delhi-110 025
Tel: +91-11-4167-2580-85
Fax: +91-11-4167-2586
<http://www.jica.go.jp>

15. National Parkinson Foundation

1501 N.W., 9th Avenue
Bob Hope Road, Miami
Florida 33136-1494, USA
Tel: +1-305-243 6666
Fax: +1-305-243 5595
<http://www.parkinson.org>

- 16. National Institutes of Health (NIH)**
9000 Rockville Pike
Bethesda, MD 20892, USA
Tel: +1-301-496 4000
Fax +1-301-496 8496
<http://www.nih.gov>
- 17. Population Council**
Zone 5A, Ground Floor
India Habitat Centre
Lodhi Road, New Delhi-110 003
Tel: +91-11-2464 2901/2, 464 4008/9, 465 2502/3, 465 6119
Fax: +91-11-2464 2903
<http://www.popcouncil.org>
- 18. Stanley Foundation**
The Stanley Foundation
209 Iowa Avenue, Muscatine, IA 52761, USA
Tel: +1-563-264 1500
Fax: +1-563-264 0864
<http://www.stanleyfoundation.org>
- 19. Special Programme for Research & Training in Tropical Diseases (TDR)**
World Health Organization (WHO)
1211 Geneva 27, Switzerland
Tel: +41-22-791 3725
Fax: +41-22-791 4854
<http://www.who.int/tdr>
- 20. The Third World Academy of Sciences (TWAS)**
The Academy of Sciences for the Developing World
c/o The Abdus Salam International Centre for Theoretical Physics (ICTP)
Strada Costiera 11, 34014 Trieste, Italy
Tel: +39-40-2240327
Fax: +39-40-224559
<http://www.twas.org>

- 21. The Heiser Programme for Research in Leprosy and Tuberculosis**
The New York Community Trust
909 Third Avenue
New York, 10022 USA
Tel: +1-212-686 0010 ext 556
Fax: +1-212-532 8528
<http://www.nycommunitytrust.org>
- 22. United Nations Development Programme (UNDP)**
55, Lodhi Estate
New Delhi-110 003
Tel: +91-11-4653 2333
Fax: +91-11-2462 7612
<http://www.undp.org.in>
- 23. United Nations Educational, Scientific and Cultural Organization (UNESCO)**
B-5/29, Safdarjung Enclave
New Delhi-110 029
Tel: +91-11-2671 3000
Fax: +91-11-2671 3001
<http://www.unesco.org/newdelhi>
- 24. Wellcome Trust**
183, Euston Road
London, NW 1, 2 BE,
United Kingdom
Tel: +44-20 7611 8888
Fax: +44-20 7611 8545
<http://www.wellcome.ac.uk>
- 25. World Health Organisation (WHO)**
Regional Office for South-East Asia
WHO House, Indraprastha Estate
Ring Road, New Delhi-110 002
Tel: +91-11-2337 0804
Fax: +91-11-2337 9507
<http://www.searo.who.int>

26. World AIDS Foundation (WAF)

Foundation Modiale, SIDA
C/o Director, Institute Pasteur
28, rue du Docteur Roux
75724, Paris, Cedex 15, France
Fax: +33-1-4568 8938

27. World Bank

(IBRD–International Bank for Reconstruction & Development &
IDA – International Development Association)
70, Lodhi Estate
New Delhi-110 003
Tel: +91-11-2461 7241-4
Fax: +91-11-2461 9393
<http://www.worldbank.org.in>

28. World Food Programme

Via Cesare Giulio Viola, 68/70
00148 Roma, Italia
Tel: +39-06-6513 3663
Fax: +39-06-6513 2063
<http://www.wfp.org>

List of ICMR Institutes

- 1. National JALMA Institute for Leprosy & Other Mycobacterial Diseases (NJIL)**
Post Box No. 101
Tajganj, Agra 282 001
Tel: +91-562-233 1756
Fax: +91-562-233 1755
<http://www.jalma-icmr.org.in>
- 2. National Institute of Occupational Health (NIOH)**
Meghani Nagar
Ahmedabad 380 016
Tel: +91-79-2868 6351-59, 2268 6352
Fax: +91-79-2868 6110
<http://www.nioh.org>
- 3. National Institute of Epidemiology (NIE)**
Second Main Road, Tamil Nadu Housing Board
Ayapakkam, Ambattur
Chennai 600 077
Tel: +91-44-65651587 / 65713698
Fax: +91-44-26357464 / 26357465
<http://www.nieicmr.org>
- 4. Tuberculosis Research Centre (TRC)**
Mayor V.R. Ramanathan Road (Spurtank Road)
Chetput, Chennai 600 031
Tel: +91-44-2836 2432, 2836 2433
Fax: +91-44-2836 2528
<http://www.trc-chennai.org>
- 5. National Institute of Malaria Research (NIMR)**
22, Sham Nath Marg
Delhi 110 054
Tel: +91-11-2253 3201
Fax: +91-11-2251 5086
<http://www.mrcindia.org>

6. **Food and Drug Toxicology Research Centre (FDTRC)**
National Institute of Nutrition (NIN), Jamai-Osmania
Hyderabad 500 007
Tel: +91-40-2700 8921-27
Fax: +91-40-2701 9074, 2701 8234
<http://www.ninindia.org/fdtrc.htm>

7. **National Centre for Laboratory Animal Science (NCLAS)**
National Institute of Nutrition, Jamai-Osmania
Hyderabad 500 007
Tel: +91-40-2701 8234
Fax: +91-40-2701 9074
<http://www.ninindia.org>

8. **National Institute of Nutrition (NIN)**
Jamai-Osmania
Hyderabad 500 007
Tel: +91-40-2700 8921-27
Fax: +91-40-27019074, 2701 8234
<http://www.ninindia.org>

9. **National Institute of Cholera and Enteric Diseases (NICED)**
P-33, CIT Road Scheme XM
Post Box No.177, Beliaghata
Kolkata 700 010
Tel: +91-33-2350 5533, 2350 4478
Fax: +91-33-2350 5066
<http://www.niced.org>

10. **Centre for Research in Medical Entomology (CRME)**
4-Sarojini Street, Chinna Chokkikulam
Madurai 625 002
Tel: +91-452-265 0281
Fax: +91-452-253 0660
<http://www.icmr.nic.in/pinstitute/crme.htm>

11. **Enterovirus Research Centre(EVRC)**
Haffkine Institute Compound
Acharya Donde Marg, Parel, Mumbai 400 012
Tel: +91-22-2414 8750, 2412 5309
Fax: +91-22-2415 6484
<http://www.icmr.nic.in/pinstitute/evrc.htm>

12. Genetic Research Centre(GRC)

National Institute For Research In Reproductive Health Complex
Jehangir Meherwanji Street
Parel, Mumbai 400 012
Tel: +91-22-2414 7843, 418 3084
Fax: +91-22-2414 7843
<http://www.icmr.nic.in/pinstitute/grc/grc.htm>

13. National Institute for Research in Reproductive Health (NIRRH)

Jehangir Merwanji Street
Parel, Mumbai 400 012
Tel: +91-22-2413 2111-12, 2413 2116-17
Fax: +91-22-2413 9412
<http://www.icmr.nic.in/irrprofile.htm>

14. Institute of Immunohaematology (IIH)

13th Floor, New Multistoreyed Building
KEM Hospital Campus, Parel
Mumbai 400 012
Tel: +91-22-2413 8518/19
Fax: +91-22-2413 8521
<http://www.iihicmr.org>

15. National Institute of Medical Statistics(NIMS)

Ansari Nagar, New Delhi 110 029
Tel: +91-11-2658 8900, 2658 8904
Fax: +91-11- 2658 9635
<http://www.icmr.nic.in/000134/irms.htm>

16. Institute of Cytology and Preventive Oncology (ICPO)

I-7, Sector - 39
NOIDA, Uttar Pradesh 201 301
Tel: +91-120-257 9471, 257 9472
Fax: +91-120-257 9473
<http://www.icpo.org.in>

17. Institute of Pathology (IOP)

Safdarjang Hospital Campus
Post Box No. 4909, New Delhi 110 029
Tel: +91-11-2619 8402, 2619 8405
Fax: +91-11-2619 8401
<http://www.icmr.nic.in/pinstitute/iop.htm>

18. Rajendra Memorial Research Institute of Medical Sciences (RMRIMS)

Agam Kuan, Patna 800 007

Tel: +91-612-263 1565

Fax: +91-612-263 4379

<http://www.rmrim.org.in>

19. Vector Control Research Centre (VCRC)

Medical Complex

Indira Nagar, Puducherry 605 006

Tel: +91-413-227 2396, 227 2397

Fax: +91-413-227 2041

<http://www.pon.nic.in>

20. National AIDS Research Institute (NARI)

Plot No. 73, Block G, MIDC Complex

Bhosari, Pune 411 026

Tel: +91-20-7121210

Fax: +91-20-7121071

<http://www.nari-icmr.res.in>

21. National Institute of Virology (NIV)

20-A, Dr. Ambedkar Road

Post Box No.11, Pune 411 001

Tel: +91-20-2612 7301, 2612 4386

Fax: +91-20-2612 2669

<http://www.icmr.nic.in/pinstitute/niv.htm>

Microbial Containment Complex(MCC)

Sus Road, Pashan

Pune 411 021

Tel: +91-20-2588 0982, 2588 9194

Fax: +91-20-2612 2669

<http://www.icmr.nic.in/pinstitute/mcc/mcc.html>

22. Regional Medical Research Centre (RMRC)

Nandankanan Road

P.O. Chandrasekharapur

Bhubaneswar 751 016

Tel: +91-674-2303336

Fax: +91-674-2301351

<http://www.icmr.nic.in/pinstitute/bhubaneswar.htm>

23. Regional Medical Research Centre (RMRC)

NE Region, East-Chowkidinghee
Post Box No. 105
Dibrugarh 786 001
Tel: +91-373-2381 494/ 506/ 548
Fax: +91-373-2381 748/ 2381494
<http://www.icmr.nic.in/pinstitute/dibrugarh.htm>

24. Regional Medical Research Centre for Tribals (RMRCT)

R.M.R.C.Complex
Nagpur Road
P.O. Garha, Jabalpur 482 003
Tel: +91-761-2370 800, 2370 818
Fax: +91-761-2672 239
<http://www.icmr.nic.in/pinstitute/jabalpur.htm>

25. Desert Medicine Research Centre (DMRC)

P. O. Box No. 122
New Pali Road
Jodhpur 342 005
Tel: +91-291-2721 022
Fax: +91-291-2721 022
<http://www.icmr.nic.in/pinstitute/jodhpur.htm>

26. Regional Medical Research Centre (RMRC)

Post Bag No.13, Port Blair 744 101
Andaman & Nicobar Islands
Tel: +91-3192 251158, 251043
Fax: +91-3192 251163
<http://www.rmrc.res.in>

27. Regional Medical Research Centre (RMRC)

Nehru Nagar, National Highway No.4
Belgaum 590 010
Tel: +91-831-247 5477
Fax: +91-831-247 5479
<http://www.icmr.nic.in/pinstitute/belgaum.htm>

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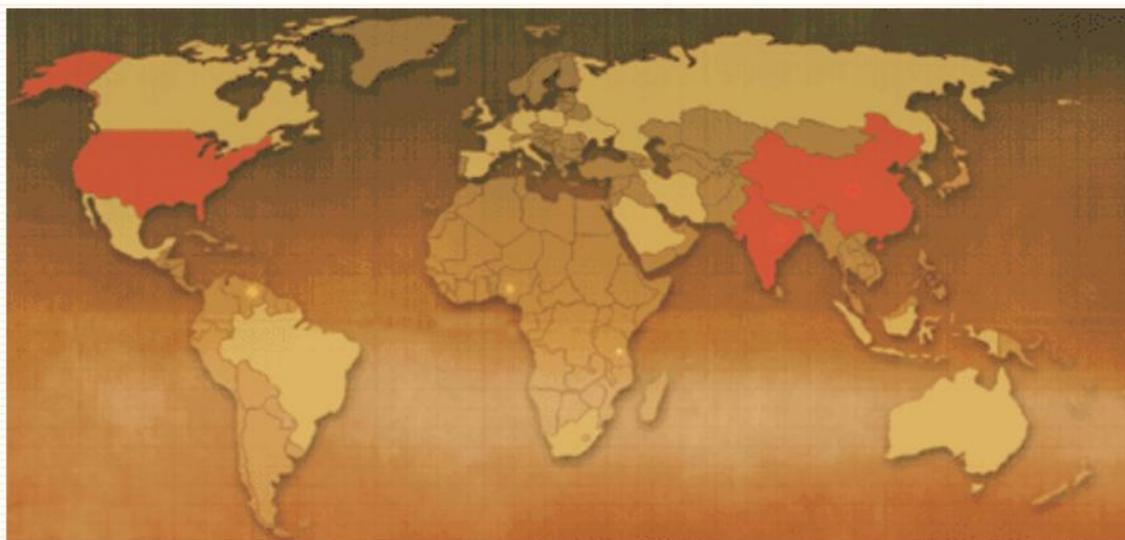
The main purpose of this document is to provide information and helpful hints giving basic information to scientists about international collaboration in biomedical research. The ICMR is in no way responsible for any liability arising out of contents / text of the document or research findings emerging out of the international collaborative projects. This material is a compilation of information on international research projects approved by HMSC during the years 2000 to 2007. All the information pertaining to the projects are based on the protocols/proposals submitted by the investigator(s) to the ICMR and HMSC. Errors, if any, brought to our notice, will be rectified and gratefully acknowledged.

The purpose of this effort is to update the knowledge of various scientific agencies/policy makers/ scientists & researchers regarding the international research collaboration. Nevertheless, this document may help them during the decision making processes of various national programmes and policies. The information contained in this document may be used with Council's prior permission/acknowledgment.

The dynamic state of science of public health in the realm of public policy has been a major cause of concern today. Globally, the collaborative efforts in bio-medical sciences and socio-behavioural research have progressed at a rapid pace with India providing a rich scientific expertise due to a variety of reasons.

This document is a compilation of various parameters related to international collaborative research projects as approved by Health Ministry's Screening Committee, Ministry of Health & Family Welfare, Government of India during the last eight years. It is also an attempt to create adequate evidence to assist the scientists in exploring the priority areas of research, as well as avoid duplication through enlisting the collaborative work done by the researchers in India.

This publication aims to provide assistance to policy makers to identify the gaps in cross cutting areas of health research in order to address future policy bearings & prioritize key areas of scientific enquiry and research.



International Health Division
Indian Council of Medical Research
Department of Health Research
(Ministry of Health & Family Welfare)
V. Ramalingaswami Bhawan
Ansari Nagar, New Delhi-110029, India
Telefax: +91-11-26589492
E-mail: ihd@icmr.org.in