



SOUTH-EAST ASIA REGION

SOUTH-EAST ASIA ADVISORY COMMITTEE ON HEALTH RESEARCH

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7 April 1988

PROGRESS REPORT

SOUTH-EAST ASIA REGIONAL RESEARCH PROGRAMME

The main purpose of this document is to keep the South-East Asia Advisory Committee on Health Research informed of the overall progress.

It provides in summary, the follow-up actions taken on the recommendations made by the Thirteenth Session of the SEA/ACHR. It also provides area-wise summary statements of ongoing research projects supported by the Regional Office. Funding of Research Training Grants and Visiting Scientist Grants during the period April 1987 to March 1988 is also given. Information on the research meetings funded and the current status of the WHO Collaborating Centres, and National Centres recognized by WHO is provided. A summary statement of the advisory services provided to member countries for research promotion and development from April 1987 to March 1988 is also given.

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P R O G R E S S
R E P O R T

RESEARCH PROMOTION AND DEVELOPMENTAL ACTIVITIES
OF THE SOUTH-EAST ASIA REGIONAL OFFICE

1. INTRODUCTION

The promotion and conduct of research in the field of health is one of the important constitutional functions of WHO; the Regional office executes this function through the formulation and implementation of the Regional Research Programme, whose thrust and direction is guided by the policy decisions of the WHO governing bodies including the Regional Committee, and the recommendations of the South-East Asia Advisory Committee on Health Research (SEA/ACHR) and its sub-committees, and meetings of the Directors of Medical Research Councils or Analogous Bodies and Concerned Research Foci in the Relevant Ministries (MRCs).

The priorities for research and development identified in 1976 at the beginning of the Regional Research Programme have now been realigned in accordance with national, regional and global strategies for HFA/2000, and are described in detail in the SEARO Technical Publication "Research Needs for HFA/2000".

The eleven Member Countries of the South-East Asia Region are in varying stages of development in respect of research capabilities, and the volume and range of research activities identified as necessary and which are being supported and carried out in each country also varies considerably. At the same time, there is also a commonality of purpose and needs, opportunities and constraints, which the Regional office endeavours to identify and to incorporate into the Regional Research programme in order that there may be uniformity of direction and action. In this, it is greatly guided and assisted by the advice of the Regional Advisory Committee for Health Research, its sub-committees, task forces, scientific working groups, as well as by the consultative and other scientific meetings convened by the Regional office from time to time and the recommendations of the biennial meetings of the Directors of Medical Research Councils and Analogous Bodies.

The WHO medium-term Programme for research promotion and development in the South-East Asia Region for the period 1984-1989 envisages that by 1989, most Member Countries of the Region will have strengthened their national health research capabilities so as to be able to carry out health research required for implementation of HFA strategies; and that most countries will have developed adequate mechanisms to carry out the health research as required in support of the national HFA strategies.

Research promotion and development activities undertaken by the Regional Office comprises the award of grants for research projects including commissioned research, award of visiting scientists grants, research training grants, support to inter-country and national meetings related to research, recruitment of consultants to help in research-related activities, and designation of collaborating centres to undertake specific tasks of a technical nature related to research. These different component activities are packaged as appropriate and brought to bear upon the several priority research topics identified by the Regional office in accordance

with the guidance received from its advisory bodies. These several sets of activities as well as follow-up action taken in response to the recommendations of the ACHR are summarized below, some being presented separately as annexes to this report.

2. FOLLOW-UP ACTIONS ON THE RECOMMENDATIONS OF THE SEA/ACHR

A noteworthy feature of Regional Office activities during this reporting period is the deliberate effort to strengthen institutions for research. Institutional Strengthening has been one of the objectives of the regional research programme since its inception in 1976 but had been less obvious because it had been undertaken in many instances as components of the research grants for projects which included support for research training grants, visiting scientists grants, provision of supplies and equipment etc.

The Regional Office, in response to the recommendation of the 12th and 13th SEA-ACHR meetings, has now proceeded with the administrative and financial arrangements necessary to give greater emphasis and visibility to the strengthening of research capability of institutions in countries, particularly that required for promoting and undertaking health systems research.

The Task Force on Health Systems Research was convened at the Regional office in November 1987 to assist the Regional office in drawing up a consolidated work plan for Health Systems Research encompassing Health Behaviour Research and Health Economic Research. Its report has been circulated to the ACHR members as information document No. SEA/ACHR/14/Info.Doc.3 and the recommendations will form the basis on which the Regional office will take further action to promote, coordinate and support HSR activities in the Region. Research capability strengthening activities recommended by the Task Force on Institutional Strengthening will largely be in the area of Health Systems Research and therefore, implementation of these recommendations will also be an important step forward in HSR promotion and development in the Region.

The Task Force on Institutional Strengthening which was recommended by the 13th ACHR was convened in October 1987 in the Regional office and its report has been circulated as an information document (SEA/ACHR/14/Info.Doc.2). The important operational recommendations are that:

- a) A significant portion of SEARO Research Promotion and Development (RPD) resources be allocated for directly strengthening the research capability of institutions - while at the same time letting a research capability strengthening effect take place through indirect mechanisms as currently practised in the South-East Asia Region.
- b) Initial support for institutional strengthening from WHO intercountry research promotion and development funds should progressively be taken over by the WHO country funds and ultimately by the national budget.

- c) The main thrust of activities for strengthening of the research capability of institutions in health systems research should be for research management including research promotion and coordinating mechanisms; for the software components of research infrastructure; and for information systems.
- d) A small independent panel of scientists be constituted, which would be assisted by the secretariat to screen proposals and recommend institutions for strengthening.

There is now a separate allocation for institutional strengthening under the inter-country research funds for 1988-1989 biennium. A panel of scientists for dealing with the institutional strengthening scheme has been constituted, and at the first meeting in March 1988 they considered and agreed upon the criteria to be used for identification of institutions eligible for strengthening and for the type and magnitude of strengthening to be provided to institutions so identified.

Following the recommendations of the twelfth SEA/ACHR that the processing of research proposals be streamlined, changes have been introduced in the Regional Office management of the research programme. The prime responsibility for this rests with the Director of Research and Family Health. In addition, the Research Development Committee consisting of the programme directors and chaired by the Director, Programme Management, advises the Regional Director on the execution of the Regional Research policy and development of research programmes. Research proposals are first reviewed from the technical aspect by the Research Review Committee (RRC) composed of Regional Advisers and chaired by the concerned Programme Director. Proposals for research grants exceeding \$ 10,000 are also submitted for Peer Review by scientists outside the Regional Office. This financial limit may need to be revised upwards in view of increase in average cost of the type of research projects that are being proposed and funded in the context of HFA strategies. The recommendations of the RRC and the Peer scientists, when required, are again reviewed by the RDC from the broad policy angle and finally submitted to the Regional Director for guidance.

Drawing upon the experience of the past years, the functions of the RRC and RDC have been revised since January 1988, so as to more clearly separate the respective technical advisory and policy advisory roles. Proposals costing less than a certain financial limit determined by the Regional Director will now be reviewed technically by RRC and excepting special circumstances its recommendations will be submitted directly to the Regional Director for decision. Only large costly projects, specially multi-centre, collaborative commissioned projects need be further reviewed by the RDC. RDC will now be mainly concerned with broad aspects of programme development, the balance between programmes, collaboration between WHO/HQ and other WHO Regions, etc. (SEA/ACHR/14/Info.Doc.9).

The research grant application forms have also been modified in order to fit in better with the type of research project proposals that are now being promoted and received after the change in research policy that took place after Alma Ata, and in order also to make processing by the investigator as well as Regional Office smoother and quicker.

Information Book containing guidelines on how to submit research proposals has also been revised to make it more understandable and helpful to researchers, especially the new breed of investigators most of whom are not yet trained in research and who are undertaking research in addition to other pressing service and teaching functions.

Other follow-up actions on the recommendations of the 13th SEA/ACHR are shown in Annex 1.

3. OVERVIEW OF THE RESEARCH ACTIVITIES PROMOTED BY THE REGIONAL OFFICE

Over 125 projects supported by the Regional office have been completed and final reports are available from about 100 of them and are being abstracted. The first volume containing 49 abstracts has already been circulated to ACHR members last year and have also been widely distributed. The second volume containing about 50 abstracts is under preparation for printing and circulation.

There are now 110 ongoing research projects which are listed in Annex 2, together with a table showing the distribution according to broad subject areas and countries.

Research in Communicable Diseases including malaria, diarrhoea, dengue haemorrhagic fever, acute respiratory infections, viral hepatitis comprised the major proportion of the ongoing projects followed closely by environmental health, maternal and child health and health systems research. Nutrition and other non-communicable diseases such as mental health, prevention of blindness and health of the elderly comprised smaller proportions of the total.

The majority of research projects are field or community based studies of the prevalence and distribution of illness and their socio-cultural determinants; assessment of peripheral level interventions using simple appropriate technology or behavioural alternatives to technology. A small but important number of them are concerned with assessment of newly emerging technologies under conditions prevalent in the South-East Asia Region. There are few hospital-based investigations of clinical problems or of the patho-physiological determinants of disease. There are also very few laboratory-based experimental studies, the notable example being the Dengue vaccine development project.

In almost all disease and health areas, research being carried out is predominantly in the form of large multicentre collaborative projects commissioned by SEARO on the advice of meetings of scientists, or individual projects actively promoted by SEARO. The number of investigator-originated projects are relatively few. The large proportion of commissioned or actively advocated research projects reflects the successful promotional efforts of the Regional Office in response to the recommendations made by the ACHR, MRCs and other meetings of Scientists. A number of ongoing projects are primarily aimed at strengthening the capability of institutions to conduct research; a few are meant to strengthen institutions to undertake better health care and are not strictly research projects. Now that there is a separate scheme and budget

for institutional strengthening activities, a clearer distinction will be possible between research projects and institutional strengthening projects. All projects supported are relevant to Regional and Country strategies for achieving HFA goals through PHC. Predominance of research into communicable diseases too is in accordance with the prevailing health priorities in the Region and the countries. The pattern and direction of research activities supported by SEARO through its inter-country research funds have not changed during the last few years. It is envisaged that this pattern will continue.

Highlights of some of the ongoing research projects are:

In **Dengue Haemorrhagic Fever** research, the multicentre collaborative epidemiological studies in endemic and silent areas aimed at identifying factors associated with severe diseases is going through the concluding phases. The study in Thailand has been completed. Indonesia and Sri Lanka are trying to complete the necessary Plaque Reduction Neutralization Tests (PRNT), and Burma will complete the field studies by the end of the year. The results available uptill 1987 have been discussed at the meeting of the Principal Investigators in 1987. Regarding the projects on development of Dengue Vaccine, phase I clinical trials have been completed for the dengue-2 candidate vaccines and just started for dengue 1 whereas attenuated strains for the other two dengue viruses are still in various stages of laboratory development. In response to the recommendations of the Inter-country Workshop on Community-oriented Control of Dengue Fever/Dengue Haemorrhagic Fever Vectors held in Rangoon in December 1986, multicentre collaborative studies on **Community Participation for the Control of Dengue Vectors** have been initiated in Burma, Indonesia and Thailand.

Research in **Malaria** is being mainly supported with respect to surveillance of drug resistant *P. falciparum*. The Regional Collaborative Studies of drug resistant malaria launched in 1978, has succeeded in documenting the geographical extent and degree of resistance to chloroquine in countries of the Region and monitoring of resistance to these drugs is now part of the service programme of the countries. The Regional Office is now supporting the surveillance of the emerging problem of multi-drug resistance of *P.falciparum* to other drugs such as Sulfadoxine-pyrimethamine, amodiaquine, quinine and mefloquine.

Research in **Viral Hepatitis** is being supported in multicentre collaborative epidemiological studies of Non-A Non-B hepatitis. The epidemic form of this disease is reported largely from our region with high mortality in pregnant women; it is hoped that WHO efforts will contribute towards definite identification of the responsible virus.

Field trial of plasma based vaccine in Burma has been concluded and the trial of the yeast-based vaccine will also be completed by the end of the year. These studies will also help authorities in countries of the Region where perinatal transmission of Hepatitis B is high, to plan their strategy for controlling the high incidence of chronic liver disease and liver cancer which are the consequences of persistence of infection with the hepatitis B virus.

With respect to research in acute **Diarrhoea** many studies on oral rehydration therapy have been supported in the past and the research is now moving away into other areas involving inter-action between environmental health, maternal and child health and health services delivery and self-care. A new initiative has been made for support of research into **Shigellosis**.

Research in **Acute Respiratory Infections** has gained momentum and is at present being supported for epidemiological studies of morbidity and mortality pattern and of case management.

In **Maternal and Child Health**, the important collaborative study of Low Birth Weight and its determinants is underway in several countries and several other epidemiological studies on maternal and perinatal mortality are also being carried out.

Nutrition research is being supported for specific nutritional deficiencies of higher priority in the Region such as Iodine Deficiency and Vitamin A deficiency. A review of WHO's collaborative research in the Region will be presented separately (Under agenda item 13).

In **Non-communicable Diseases**, a beginning has been made in supporting epidemiological studies for aging and risk factors contributing to glaucoma and cataract and in the possibility of using community health workers to detect eye diseases in the early stages.

Research in **Environmental Health** is being supported for investigation both into the behavioural and technological aspects of waste disposal, excreta disposal, latrine construction and usage and provision of safe water supply.

In **Mental Health** studies are being supported in the management of mental diseases at Primary Health Care level, psycho-social indicator of mental development, and epidemiological studies on drug abuse.

Studies designated as **Health Systems Research** are being supported in projects ranging from evaluation of service programmes and alternative approaches to primary health care to community participation in family planning etc. However, many studies otherwise classified such as Dengue Haemorrhagic Fever, Environmental Health and Mental Health are largely concerned with HSR approach to these problems and may rightly be regarded as HSR; for example, community participation in vector control, behavioural aspects of latrine construction, etc.

4. MEETINGS

Meetings convened by the Regional office for the promotion, strengthening and coordination of research in identified topical areas are listed in Annex-4.

The meeting of the Principal Investigators on the Study of Low Birth weight and Infant Mortality and Morbidity held in April 1987 helped to launch study in an important priority area and was followed up by another meeting which made an early assessment of progress and constraints.

The inter-country Consultation on AIDS is one of several activities that the Regional office is carrying out to prepare and counter the threat of AIDS In the Region.

The meeting on Targetting on Reorientation of Medical Education is one of the series of meetings being supported by Inter-country research funds to promote research in Health Manpower Development.

The Task Force Meetings on Institutional Strengthening and on Health Systems Research and the Meeting of the Panel of Scientists for Institutional Strengthening are follow-ups of the recommendations of the ACHR and have resulted in a series of inter-related activities detailed in other parts of this report.

5. COLLABORATING CENTRES

Currently, there are 54 WHO Collaborating Centres within the Region and more are being proposed as WHO's activities and interests expand into new areas. The number and types of Collaborating Centres in the Region reflect the increasing stature of institutions in the Region and the range and depth of expertise available and their collaboration in WHO programmes.

6. VISITING SCIENTISTS AND RESEARCH TRAINING GRANTS

There were 11 awards made under visiting scientists grants and research training grants. They helped to strengthen the research capability of the institutions in the various areas and are related to the research being implemented or developed in the respective countries.

7. CONCLUSION

The Regional office will continue in its efforts to ensure that research promotion and development activities being carried out with ICP-RPD funds are supportive of the Regional and country strategies aimed at achieving HFA goals and that the research funded by the Regional office will help the speedy, efficient and effective implementation of health programmes in countries.

Research promotion and development activities carried out by the Regional office provide of course, only one component of the total of such efforts being made by WHO in member countries in the Region. Regional activities are substantially supplemented by those of WHO/HQ and Special Programmes such as TDR, HRP and CDD and the rapidly expanding activities of the Global Programme for AIDS. The WHO Research Promotion and Development budget in a number of countries also support research activities which are directly in accordance with the countries perspectives and its own research needs and priorities. The WHO research efforts have also to be viewed in the context of the larger and broader inputs for health related research from many other international, governmental and non-governmental organizations.

FOLLOW UP ACTIONS ARISING OUT OF THE
THIRTEENTH ADVISORY COMMITTEE ON HEALTH
RESEARCH, ULAN BATOR, MONGOLIA

FOLLOW UP ACTIONS TAKEN BY THE SOUTH-EAST ASIA REGIONAL OFFICE
IN RESPONSE TO RECOMMENDATIONS MADE BY THE THIRTEENTH
SESSION OF THE SEA/ACHR HELD IN ULAN BATOR FROM 27 JULY to 1 AUGUST 1987

RECOMMENDATIONS

PROGRESS

AGENDA ITEM 5

South-East Asia Regional Research Programme Progress Report

The SEA/ACHR recommended that the Regional Director consider the appointment of a small, ad hoc Task Force to look into ways and means of strengthening the capability of institutions in the countries of the Region to undertake scientifically sound, relevant, applicable research - due consideration being given to the varying levels of research capability already developed in different research areas, in different countries and the limited funds available.

A Task Force on Institutional Strengthening was convened by the Regional Director in SEARH/New Delhi from 30 to 31 October 1987. Subsequently, a meeting of Panel of Scientists was held in WHO/SEAFO from 10 to 11 March 1988 to develop the programme further.

RECOMMENDATIONS

PROGRESS

AGENDA ITEM 7.1

UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases (TDR)

The SEA/ACHR recommends that the UNDP/WHO/World Bank Special Programme on Research and Training in Tropical Diseases (TDR), in collaboration with the Regional office, should:

1. identify countries in the Region where the diseases of interest to TDR are highly endemic and yet where very little institutional strengthening or research and development activities is taking place, identify factors impeding such development and try to find ways and means to overcome these constraints;
2. be urged to further promote and increase their support for clinical research into tropical diseases endemic in the Region - especially with respect to diseases where there are gaps in knowledge impeding proper clinical management, leading to high mortality and morbidity;

The Director, TDR/HQ has written to the two countries of the South-East Asia Region (Bangladesh and Nepal) requesting information on their interest in the TDR Programme and possible institutions that may be strengthened.

As follow-up on the above letter from Director/TDR/HQ a member of the WHO/SEARO Secretariat visited Nepal to assess feasibility and initiate development of institutional profiles and strengthening proposals for consideration at a future RSG meeting. A preliminary response from Bangladesh is awaited.

Regarding the request for promotion of clinical research, one of the Agenda Items for the 14th Session of SEA/ACHR (Agenda Item 14) is Clinical Research. It is expected that Tropical Diseases Research will be discussed as one of the priority areas under the above agenda item.

RECOMMENDATIONS

PROGRESS

3. be urged to promote further existing arrangements and increase their support for collaboration between developing countries of the Region - in research development and institutional strengthening including training; and
4. be urged to help countries create favourable conditions for attracting funds for research and development in tropical diseases and for institutional strengthening from WHO or other funding agencies.

Considered by the Task Force on Institutional Strengthening convened by the Regional Director in SEARO from 30 to 31 October 1987.

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AGENDA ITEM 8

Research Related to Information and Education for Health

1. A scientific working group be convened to identify research priority areas (e.g., evaluative research) using the document "Research Related to Information and Education for Health" which was presented to be used as a working document (SEA/ACHR/13/Agenda Item 8);

The secretariat having considered this felt that there was already sufficient material and guidance of SEA/ACHR to proceed on this occasion without resorting to a meeting of scientific working group.

RECOMMENDATIONS

PROGRESS

2. Efforts should be made to disseminate more widely the paper presented namely, "Research Related to Information and Education for Health" (SEA/ACHR 13/Agenda item 8), and that this document be printed and distributed after incorporating suggestions and new inputs from the SEA/ACHR, and the Scientific Working Group to be formed as well as from other appropriate sources.
3. The Regional office should sensitize the countries to the importance of IEH and provide greater support for IEH activities. WHO should also promote the strengthening of IEH Bureaux or similar focal points in countries to enable them to carry out broad IEH activities and to conduct related research.
- This paper is being revised accordingly.
- A document on IEH in South-East Asia which puts forward a future perspective for the region is in its final stage of preparation and will be distributed to member states this year. The proposed programme budget in the biennium 1988-1989, supports IEH activities in member states through the strengthening of health education bureaux, training of personnel production of materials & IEH research.

RECOMMENDATIONS

PROGRESS

AGENDA ITEMS 9 AND 10

- Self-care: Emerging Research Challenge for Primary Health Care in Developing Countries (Agenda item 9)

- Family Life in Changing Social and Technological Environment and its implications for Healthy Human Development (Agenda item 10)

- 1. WHO Regional Office promote and support research into methods of improving self care, in general, and within the context of existing health programmes such as CDD, Nutrition, MCH, etc.;

- 2. The Regional Office promote research into health aspects of changes in family life in a transforming social and technological environment - especially intervention studies based on validated inter-relationship between family health and such changes. Essentially such studies should focus on the health of mother and child as affected by these changes; &

- 3. WHO Regional office promote close collaboration between social scientists and health professionals in the conduct of the above studies so that both the health and the societal perspectives are given due emphasis; and also promote and support the development or improvement of methodologies for the above studies.

WHO Regional Office supported national meetings on this aspect.

Provision made under Health Systems Research Task Force recommendation.

RECOMMENDATIONS

PROGRESS

AGENDA ITEM 11

Suggestions for the Agenda of the Fourteenth
Session of the SEA/ACHR

The SEA/ACHR agreed that the following items be considered for inclusion in the agenda for the fourteenth session of ACHR:

- Research on Nutrition
- Clinical Research - to Strengthen and Realign Towards
HFA 2000

Both these items have been included as agenda items for discussion at the 14th SEA/ACHR.

RESEARCH PROJECTS

LIST OF ONGOING PROJECTS AREA AND COUNTRYWISE

AREA	BAN	BHU	BUR	IND	INO	MAV	MOG	NEP	SRL	TEA	TOTAL
Acute Respiratory Infections			1		1						2
Communicable Diseases									1		1
Dengue Haemorrhagic Fever			4		2				1	3	10
Diarrhoeal Diseases			1	1				1			3
Environmental Health				3	3				3	5	14
Expanded Programme of Immunization					1					1	2
Health Manpower Development								1	2		3
Health Services Research	1	1						3	1	2	8
Japanese Encephalitis									1		1
Leprosy			3						1		4
Liver Diseases			3		1		1	1	1	2	9
Malaria	2	1	2	1	2			3	1	2	14
Maternal and Child Health				1	1		1	3	1		7
Mental Health	1		1	2	3					1	8
Nutrition				1					3	1	5
Non-communicable Diseases	1				1			1	1	1	5
Prevention of Blindness								1		1	2
Tuberculosis				1							1
Miscellaneous	3		1		1	1	1	2		2	11
Total	7	4	16	10	16	1	3	16	16	21	110

LIST OF ONGOING RESEARCH PROJECTS - AREAWISE

SN No.	Title of Project	Duration	Starting Date	Department, Institute & Country	Principal Investigator	Source of Funds
<u>ACUTE RESPIRATORY INFECTIONS</u>						
560	Clinical and Simple Laboratory Methods for Diagnosis and Management of Acute Respiratory Infections (ARI) in Hospitalized Children	3 years	May 1986	Clinical Research Division Department of Medical Research <u>Rangoon, Burma</u>	Dr Nyunt Nyunt Wai	ICP RPD
561	Operational Trial on ARI in Kediri Subdistrict, Indonesia	3 years	February 1986	Ministry of Health <u>Jakarta</u> Indonesia	Dr M. Adhyatma	ICP RPD
<u>DENGUE HAEMORRHAGIC FEVER</u>						
32	Epidemiological Study of Dengue Haemorrhagic Fever in Sri Lanka	8 years	1979	Medical Research Institute <u>Colombo</u> Sri Lanka	Dr T. Vitarana	ICP RPD
39	Development of Dengue Virus Vaccine	8 years	1980	Department of Pathology Ramathibodi Hospital Mahidol University <u>Bangkok</u> Thailand	Dr Natth Bhamarapravati	ICP RPD and ADAB
143	Epidemiological Study on Dengue in Dengue Haemorrhagic Fever Endemic and Silent areas in Indonesia	6 years	1981	Division of Virology and Rickettsia Biomedical Research Sub-directorate of Epidemiological Surveillance Directorate of Epidemiology and Quarantine Services <u>Jakarta, Indonesia</u>	Dr Suharyono Wryadi	ICP RPD
380	Study to Develop Rapid Techniques for Chikungunya Virus	2 years	April 1985	Ministry of Health Department of Medical Research <u>Rangoon, Burma</u>	Dr Soe Thein	ICP RPD
397	Epidemiological Study on Dengue Haemorrhagic Fever	5 years	February 1984	Department of Medical research Virology Research Division <u>Rangoon, Burma</u>	Dr Soe Thein	ICP RPD
539	Community Participation in the Control and Prevention of Vectors of Dengue/ Dengue Haemorrhagic Fever in the District of Phanus Nikhom in Thailand	1 year	1985	Division of Medical Entomology Department of Medical Sciences Ministry of Public Health <u>Bangkok, Thailand</u>	Dr Boonluan Phanthunachinda	ICP RPD

LIST OF ONGOING RESEARCH PROJECTS - AREAWISE

SN No.	Title of Project	Duration	Starting Date	Department, Institute & Country	Principal Investigator	Source of Funds
746	Assessment of changes in serum complement and prostaglandin levels in Dengue Patients in Burma	2 years	April 1988	Department of Medical Research <u>Rangoon</u> Burma	Dr U Thet-Win	BUR RPD
771	Regional Multicentre Project to control DHF vectors by community participation	1 year	February 1988	Directorate General of CDC&EH <u>Jakarta</u> Indonesia	Dr Thomas Suroso	INO VBC
772	Regional Multicentre Project to control DHF Vectors by Community Participation	1 year	February 1988	V.B.D.C. Project Department of Medical Research <u>Rangoon, Burma</u>	Dr U Nyunt Elaing	BUR RPD
773	Control of Dengue Haemorrhagic Fever Vectors by Community Participation	1 year	April 1988	Department of Communicable Disease Control Ministry of Public Health <u>Bangkok, Thailand</u>	Dr Somporn Preuksaraj	THA RPD
<u>DIARRHOEAL DISEASES</u>						
192	Study of the Impact of Oral Rehydration Therapy Among Rural Nepalese Children	2 years	1983	Directorate-General of Health Services <u>Kathmandu, Nepal</u>	Dr Suniti Acharya	ICP RPD
458	Study of the Effectiveness of Educational Approach in the Use of Oral Rehydration Fluids	1 year	February 1986	Department of Preventive and Social Medicine Instit. of Medical Sciences Banaras Hindu University <u>Varanasi</u> Uttar Pradesh, India	Dr Paramjit Kaur	ICP RPD
526	Clinical and Pathophysiological Determinants of Residual Deaths From Acute Childhood Diarrhoea	1 year	March 1986	Clinical Research Division Department of Medical Research <u>Rangoon, Burma</u>	Dr Khin Maung U	ICP RPD
<u>ENVIRONMENTAL HEALTH</u>						
76	Study of Health Benefits of Water Supply in a Rural Area of Uttar Pradesh	10 years	1979	Department of Social & Preventive Medicine M.L.B. Medical College <u>Jhansi</u> Uttar Pradesh India	Dr S.K. Bapat	ICP RPD
436	Evaluation of Risks due to Contamination of Drinking Water from on-site sanitation facilities in urban areas and developing guidelines for preventive sand envelopes around Latrine pits.	2 years	July 1985	All India Institute of Hygiene and Public Health 110, Chittaranjan Avenue <u>Calcutta</u> India	Professor K.J. Nath	ICP RPD

LIST OF ONGOING RESEARCH PROJECTS - AREAWISE

SN No.	Title of Project	Duration	Starting Date	Department, Institute & Country	Principal Investigator	Source of Funds
437	Socio-economic and health aspects of recycling of urban solid waste through scavenging	1 year	May 1987	All India Institute of Hygiene and Public Health 110, Chittaranjan Avenue <u>Calcutta</u> India	Professor K.J. Nath	ICP RPD
439	Health Aspects of Waste Recycling in Aquaculture in West Java	1 year	August 1985	Padjadjaran University Institute of Ecology Jalan Sekeloa Bandung, Indonesia	Dr B. Abisudjak	ICP RPD
604	Study to Ascertain Reasons for Non-construction of Latrines in Rural Areas of the Kalutara District	1 year	July 1986	National Institute of Health Sciences P.O. Box No. 28 <u>Kalutara</u> Sri Lanka	Mr A.K. Seneviratne	ICP RPD
645	Community Participation in Drinking Water Quality Surveillance	1 year	November 1986	Environmental Health Division Department of Health Ministry of Public Health Devavessm Palace <u>Bangkok, Thailand</u>	Mrs Nitaya Mahabhol	ICP RPD
646	Appropriate Types of Latrines for Rural Communities in Thailand	1 year	August 1986	Department of Health Ministry of Public Health Devavessm Palace <u>Bangkok</u> Thailand	Mr Paisal Prigsang	ICP RPD
647	Community Management of Rural Piped Water Supply	1 year	April 1988	Rural Water Supply Division Department of Health Ministry of Public Health <u>Bangkok, Thailand</u>	Mr Chetpan Karnkaew	ICP RPD
648	Proposed Communication Patterns in Promoting Use of Latrines in Thai rural areas	1 year	August 1986	Department of Health Ministry of Public Health Devavessm Palace <u>Bangkok, Thailand</u>	Mr Paisal Prigsang	ICP RPD
649	Study of a Simple Technique for Field Testing of Coliform Bacilli in Drinking Water	1 year	October 1986	Department of Health Ministry of Public Health Devavessm Palace <u>Bangkok, Thailand</u>	Dr Nitaya Mahabhol	ICP RPD
666	Comparative Study of Factors Influencing level of community participation in Utilization, Operation and Management and Extension of Rural Water Supply In Pandegelang and Purwakarta	18 months	August 1986	Department of Civil Engineering Faculty of Technology University of Indonesia <u>Jakarta</u> Indonesia	Mr Sulisbyoweni Wiganarko	ICP RPD

LIST OF ONGOING RESEARCH PROJECTS - AREAWISE

SN No.	Title of Project	Duration	Starting Date	Department, Institute & Country	Principal Investigator	Source of Funds
668	Study on the Methods of Human Excreta Disposal in Densely Populated Areas With Emphasis on development of low cost technology options	18 months	September 1986	National Water Supply & Drainage Board P.O. Box No. 14, Galle Road Ratmalana, <u>Colombo</u> Sri Lanka	Mr Pararajasegaram Dharmabalan	ICP RPD
669	Studies to Investigate Factors that lead to persistence of diarrhoeal diseases in Sri Lanka, with emphasis on water quality and pollution aspects	18 Months	September 1986	National Water Supply & Drainage Board P.O. Box 14 Mt. Lavinia, Galle Ratmalana, <u>Colombo, Sri Lanka</u>	Dr S.M. Don	ICP RPD
738	The Engineering, health, social and management aspects in application of the twin leaching pits toilets in areas with a high and low water table	3 years	December 1987	Institute of Human Settlements Dte. General of Research and development Ministry of Public Works Jl. Tamansari 84, <u>Bandung</u> Indonesia	Mrs Ida Sumidjan	ICP RPD
<u>EXPANDED PROGRAMME OF IMMUNIZATION</u>						
368	Community participation in immunization assessment of the role of school children	1 year	December 83	Division of Ecology, National Institute of Health Research and Development <u>Jakarta, Indonesia</u>	1. Dr K. Binol 2. Dr Sunanti Zalbawi	ICP RPD
601	Pilot Study of Factors influencing immunization coverage in infants and pregnant women in Rural North-East Thailand	1 year	October 1986	Department of Paediatrics Faculty of Medicine Khon Kaen University <u>Khon Kaen, Thailand</u>	Dr Sompon Tassniyom	ICP RPD
<u>HEALTH MANPOWER DEVELOPMENT</u>						
396	A Study of Nursing Personnel Activities in Bir Hospital	18 months	June 1985	Institute of Medicine Lazimpat, P.O. Box 1240 <u>Kathmandu, Nepal</u>	Ms Jimmy Tamsang	ICP RPD
687	Preparation of new entrant Medical students for a leadership role in Health Care - an introductory teaching module	9 months	April 1988	Department of Physiology Faculty of Medicine P.O. Box No. 70 <u>Galle, Sri Lanka</u>	Prof. Colvin Goonaratna	ICP RPD
763	A Pilot Study to test the feasibility of utilizing a modified distance teaching method for the continuing education of middle level health professionals in Sri Lanka	1 year	April 1988	Assistant Medical Practitioners Training Programme Faculty of Medicine University of Colombo <u>Colombo, Sri Lanka</u>	Mrs P.K. Weerakoon	ICP RPD

LIST OF ONGOING RESEARCH PROJECTS - AREAWISE

SN No.	Title of Project	Duration	Starting Date	Department, Institute & Country	Principal Investigator	Source of Funds
<u>HEALTH SERVICES RESEARCH</u>						
287	Community participation in health and family planning services - an action-cum-research project of the health services coordinating committee	30 months	September 1984	Social Services National Co-ordination Council Health Services Coordination Committee Bhrikuti Mandap Kathmandu, Nepal	Dr S.K. Pahari	ICP RPD NEP RPD
335	Evaluation of Alternate Approaches to PHC to Develop long-term health strategies	1 year	July 1984	Family Health Project Institute of Medicine Kathmandu, Nepal	Dr P.M. Shreshtha	ICP RPD
471	Impact of the New Drug Policy of the Government of Bangladesh in a Rural Community	1 year	September 1985	Institute of Postgraduate Medicine and Research Centre Shahbagh Dhaka, Bangladesh	Prof. Nurul Islam	ICP RPD
528	Establishment of a National programme for health services (systems) Research	1 year	October 1987	National institute of Health Kalutara Sri Lanka	Dr N.T. Cooray	ICP RPD
583	Development of District Health Services Model in Mongar District	2 years	December 1985	Department of Health Services Thimphu, Bhutan	Dr J. Norbhu	ICP RPD BHU DGP ICP PHC
643	Promotion of Health Economics Research and training support of primary health care	1 year	February 1986	Centre for Coordination of Medical and Health Affairs, Ministry of Public Health and Thai University Association Bangkok, Thailand	Dr Prawase Wasi	ICP RPD
644	The role of Universities to Health for All	1 year	February 1986	Centre for coordination of Medical and Health Affairs Ministry of Public Health and Thai university Association, Bangkok, Thailand.	Dr Prawase wasi	ICP RPD
692	Pilot Study of patient flow analysis	6 months	April 1988	Communicable Disease and Vector Control Division Ministry of Health Phachali Kathmandu, Nepal	Dr Tilak Man Shreshtha	ICP RPD
<u>JAPANESE ENCEPHALITIS</u>						
670	Study of the epidemiology and entomology of the present epidemic of Japanese Encephalitis (JE) in Sri Lanka	2 years 9 months	March 1986	Medical Research Institute P.O. Box 527 Colombo, Sri Lanka	Dr T. Vitarana	ICP RPD
<u>LEPROSY</u>						
42	Rifampisin Trial in Burma	7 years	1978	Department of Health Leprosy Control Division Rangoon, Burma	Dr Kyaw Lwin	ICP RPD

LIST OF ONGOING RESEARCH PROJECTS - AREAWISE

SN No.	Title of Project	Duration	Starting Date	Department, Institute & Country	Principal Investigator	Source of Funds
46	Mycobacteria of Sri Lanka Environment	6 years	1979	Department of Microbiology Faculty of Medicine University of Sri Lanka <u>Peradeniya, Sri Lanka</u>	Dr M.R.M. pinto	ICP RPD
676	Study on the Socio-economic Status of Leprosy patients after a minimum of 15 years of treatment in Peri-Urban areas of Rangoon	6 months	April 1987	Department of Health, Ministry of Health <u>Rangoon, Burma</u>	Dr U Tin Myint	ICP RPD
677	A Comparative KAP study of leprosy patients and members of the Community in peri-urban and rural areas	6 months	April 1987	Department of Health Ministry of Health <u>Rangoon, Burma</u>	Dr U Tin Mysint	ICP RPD
<u>LIVER DISEASES</u>						
541	Study on Hepatitis B vaccine using Yeast-derived HB vaccine	3 years	October 1985	Department of Medical Research <u>Rangoon, Burma</u>	Dr Khin Maung Tin	ICP RPD
613	Development of Reagents for Detection of HBsAg	2 years	November 1987	Department of Medical Research <u>Rangoon, Burma</u>	Dr U Tun Khin	ICP RPD
623	Multicentre Study on Non-A Non-B Hepatitis	3 years	March 1986	Department of Medicine Faculty of Medicine Ramathibodi Hospital <u>Bangkok, Thailand</u>	Dr Sucha kurathong	ICP RPD
636	Study of Sporadic acute viral hepatitis in Nepal and epidemiological and laboratory follow-up of household contacts of NANB hepatitis.	1 year	May 1987	Liver Unit, Bir Hospital <u>Kathmandu, Nepal</u>	Dr S.M. shrestha	ICP RPD
713	Epidemiological and Laboratory study of sporadic acute viral hepatitis in Rangoon	1 year	October 1987	Environmental Medicine Division Department of Medical Research <u>Rangoon, Burma</u>	Dr Hla Myint	ICP RPD
721	Epidemiology of Sporadic and Epidemic Non-A Non-B Viral Hepatitis in Indonesia.	1 year	October 1987	National Institute of Health <u>Jakarta, Indonesia</u>	Dr Ishak Koiman	ICP RPD
725	Epidemiology of sporadic acute viral hepatitis in Ulan Bator	18 months	July 1987	State Institute of Hygiene, Epidemiology and Microbiology <u>Ulan Bator, Mongolia</u>	Dr P. Nymadawa	ICP RPD
726	Epidemiology of Sporadic Acute Viral Hepatitis in Thailand	1 year	January 1988	Division of Epidemiology Ministry of Public health Devavesm Palace <u>Bangkok, Thailand</u>	Dr Prayura Kunasol	ICP RPD
739	Development of Monoclonal Antibodies	1 year	April 1988	Department of Microbiology Faculty of Medicine University of Colombo <u>Colombo, Sri Lanka</u>	Dr Lalitha N. Mendis	SRL CLR

LIST OF ONGOING RESEARCH PROJECTS - AREAWISE

SN No.	Title of Project	Duration	Starting Date	Department, Institute & Country	Principal Investigator	Source of Funds
<u>MALARIA</u>						
444	Regional Collaborative Studies on Drug Resistant Malaria	2 years	March 1984	Bhutan Antimalaria Programme Ministry of Health <u>Thimphu, Bhutan</u>	Dr Anayat S.Y.	ICP RPD
506	Study of the effectiveness of environmental measures in Malaria control in the Terai Region of Nepal	3 years	April 1986	Nepal Malaria Eradication Orgn. P.O. Box 3291 <u>Kathmandu, Nepal</u>	Dr Riddi Gopal Vaidya	ICP RPD
548	Induction and Characterization of Drug resistant mutants of <u>P. falciparum</u> in continuous culture	2 years	March 1986	Department of Microbiology Faculty of Science Mahidol University <u>Bangkok, Thailand</u>	Dr Peerapan Tan-Ariya	
573	The Efficacy of Decamethrin Impregnated Mosquito Nets against <u>A. balabacensis</u>	2 years	January 1986	National Institute for Preventive and Social Medicine Mohakhali <u>Dhaka-2, Bangladesh</u>	Dr Mohammad Elias	ICP RPD
574	Evaluation of Indigenous larvivorous fish in the outer Terai of Nepal	3 years	April 1986	Research and Training Division Nepal Malaria Eradication Orgn P.O. Box No. 3291 <u>Kathmandu, Nepal</u>	Mrs Yeeta Rajbhandari	ICP RPD
577	Operational Use of Insecticide Impregnated Nets Against <u>A. balabacensis</u> in East Kalimantan	2 years	March 1986	Directorate-General, CDC&EH Jl. Percetakan Negara 29 <u>Jakarta, Indonesia</u>	Dr Santiya Kirnowardaya	ICP RPD
585	Study on the <u>in-vitro</u> response of drug resistant <u>Plasmodium falciparum</u> to alternative drugs	2 years	March 1986	National Malaria Eradication Programme 22, Shyam Nath Marg <u>New Delhi - 110 054</u> India	Dr G.K. Sharma	ICP RPD
586	Study on the <u>in-vitro</u> response of Drug Resistant <u>Plasmodium falciparum</u> to alternative drugs	2 years	March 1986	Malaria Division, Dept. of Communicable Diseases Ministry of Public Health Devaveam Palace <u>Bangkok, Thailand</u>	Dr Somthas Malikul	ICP RPD
587	Study on the <u>in-vitro</u> response of Drug Resistant <u>Plasmodium falciparum</u> to alternative drugs	2 years	April 1986	Directorate-General of CDC&EH Jl. Percetakan Negara 29 <u>Jakarta, Indonesia</u>	Dr Arwati Soepanto	ICP RPD
588	Study on the <u>in-vitro</u> response of Drug Resistant <u>Plasmodium falciparum</u> to alternative drugs	30 months	January 1986	Malaria Control Programme Directorate General of Health Services, <u>Dhaka, Bangladesh</u>	Dr Ali Ahmed	ICP RPD

LIST OF ONGOING RESEARCH PROJECTS - AREAWISE

SN No.	Title of Project	Duration	Starting Date	Department, Institute & Country	Principal Investigator	Source of Funds
589	Study on the <u>in-vitro</u> response of Drug Resistant <u>Plasmodium falciparum</u> to alternative drugs	2 years	March 1986	Anti-Malaria Campaign <u>Colombo-5</u> <u>Sri Lanka</u>	Ms P.R. Ratnapala	ICP RPD
590	Study on the <u>in-vitro</u> response of Drug Resistant <u>Plasmodium falciparum</u> to alternative drugs	30 months	March 1986	Nepal Malaria Eradication Orgn. Kamaladi <u>Kathmandu, Nepal</u>		ICP RPD
591	Study on the <u>in vitro</u> response of Drug Resistant <u>Plasmodium falciparum</u> to alternative drugs	2 years	March 1986	Malaria Control Division Department of Health <u>Rangoon, Burma</u>	Dr Franco Tin	ICP RPD
592	Study on the <u>in vitro</u> response of Drug Resistant <u>Plasmodium falciparum</u> to alternative drugs	2 years	March 1986	Parasitology Research Division Department of Medical Research <u>angoon, Burma</u>	Dr Myint Lwin	ICP RPD
<u>MATERNAL AND CHILD HEALTH</u>						
565	Living conditions and activities of Health Care as Factors influencing morbidity and mortality of children aged 0-7 years with particular attention to respiratory diseases.	1 year	November 1985	MCH Research Institute <u>Ulan Bator,</u> <u>Mongolia</u>	Dr Gambo Bazar	ICP RPD
569	A Study to improve the health of mothers and children by effectively utilizing services of available TBAs within the community	1 year	July 1987	Department of Child Health School of Medicine Padjadjaran University Hasan Sadikin General Hospital <u>Bandung, Indonesia</u>	Dr Anna Alisjahbana	ICP RPD
576	To Study the Infant Mortality Rate in 3 Panchayats of Rupandehi District District with Health Services provided at Present Level	2 years	March 1986	Lumbini Zonal Hospital <u>Butwal,</u> <u>Nepal</u>	Dr Basant kumar Batajoo	ICP RPD
662	Study of Factors on Low Birth Weight Infant and Young Child Morbidity and Mortality	27 months	July 1986	K.E.M. Hospital Rasta Peth, Sardar Mudaliar Rd., <u>Pune - 411 001</u> <u>Maharashtra, India</u>	Dr (Mrs) B. Coyaji	ICP RPD
663	Factors in Low Birth Weight and Young Child Infant Morbidity and Mortality	27 months	October 1986	Maternity Hospital <u>Kathmandu,</u> <u>Nepal</u>	Dr (Mrs) D.S. Malla	ICP RPD
664	Study of Factors on LBW, Infant and Young Child Morbidity and Mortality	27 months	October 1986	Ministry of Health <u>Kathmandu</u> <u>Nepal</u>	Dr (Mrs) S. Acharya	ICP RPD
665	Study of factors on LBW, Infant and Young Child Morbidity and Mortality	30 months	September 1986	Family Health Bureau Ministry of Health <u>Colombo, Sri Lanka</u>	Dr Kusum P. Wickramasuriya	ICP RPD

LIST OF ONGOING RESEARCH PROJECTS - AREAWISE

SN No.	Title of Project	Duration	Starting Date	Department, Institute & Country	Principal Investigator	Source of Funds
<u>MENTAL HEALTH</u>						
286	WHO-SEARO Collaborative Study on Mental health in Primary Health Care	4 years	1982	Department of Psychiatry Post-graduate Institute of Medical Education and Research <u>Chandigarh, India</u>	Dr V.K. Sharma	ICP BSR ICP RPD
386	WHO-SEARO Collaborative Study on Mental health in Primary Health Care	1 year	March 1986	Division of Mental Health Department of Medical Sciences <u>Nanthabari, Thailand</u>	Dr Udom Laksanavichara	ICP BSR
546	Indicators of Child Mental Health and Healthy Psychosocial Development	1 year	December 1985	Sub-division of Child Psychiatry Dept. of Paediatrics School of Medicine University of Indonesia <u>Jakarta Indonesia</u>	Dr Jan Prasetyo	ICP RPD
596	Indicators of Psychosocial Aspects of Primary Health Care Service	1 year	March 1986	Bangli State Mental Hospital <u>Bangli, Bali Indonesia</u>	Dr Denny Thong	ICP RPD
650	Epidemiological Survey on Drug Abuse	1 year	October 1986	Drug Dependence Treatment and Research unit Rangoon Psychiatric Hospital <u>Rangoon, Burma</u>	Dr U khant	ICP RPD
684	First Circumstances of Drug Abuse among young people in Jakarta	1 year	July 1987	Community mental Health Develop- ment Board Badan Pembina Kesehatan Jiwa Masyarakat DKI Jakarta Jalan Kesehatan 10 <u>Jakarta Pusat Indonesia</u>	DR (Ms) Harlina Martono	ICP RPD
705	Collaborative Study on Indicators of Mental Health in Educational Institutions in Delhi	2 years	March 1987	Indian Council of Medical Research Ansari Nagar <u>New Delhi, India</u>	Dr (Mrs) Usha K. Luthra	ICP RPD
720	Prevalence of substance abuse by student community in Dhaka City and to develop indicators of drug abuse	1 year	March 1988	Institute of Postgraduate Medicine and Research Shahbagh, <u>Dhaka-2 Bangladesh</u>	Dr A.K.M.N. Chowdhury	ICP RPD
<u>NUTRITION</u>						
135	Training and Research in Nutrition and Health Education for the field Staff of 3 ICDS Projects in Gujarat	2 years	1983	Food and Nutrition Dept., Faculty of Home Sciences M.S. University, Baroda <u>Gujarat, India</u>	Dr Tara Gopalas	ICP RPD

LIST OF ONGOING RESEARCH PROJECTS - AREAWISE

SN No.	Title of Project	Duration	Starting Date	Department, Institute & Country	Principal Investigator	Source of Funds
177	Prevalence and Geographical Distribution of Endemic Goitre in Sri Lanka and Probable Aetiological Factors	27 months	October 1984	Faculty of Medicine University of Peradeniya <u>Peradeniya, Sri Lanka</u>	Prof. Malcolm Fernando	ICP RPD
384	A Study of Vitamin A Status among pregnant women in different social classes	4 years	November 1984	Department of Biochemistry Faculty of Medicine University of Colombo <u>Colombo, Sri Lanka</u>	Dr T.S. Atukorale	ICP RPD
701	Macro surveillance project to assess nutritional status, food consumption patterns and other linked Socio-economic indicators in the 24 districts	1 year	October 1987	Food and Nutrition Policy Planning Division Ministry of Plan implementation <u>Colombo, Sri Lanka</u>	Raja V.W.E.Ameresekere	ICP RPD
749	Development of nutritional indices to identify pregnant women at risk (for LBW babies)	2 years	April 1988	Faculty of Public Health Mahidol University 420/1, Rajvidhi Road Phyathai, <u>Bangkok, Thailand</u>	Dr Mandhana Pracipasen	ICP RPD
<u>NON-COMMUNICABLE DISEASES</u>						
478	Development of Health Educational Activities for the Prevention of Smoking	2 years	February 1986	Department of Medicine Faculty of Medicine <u>Peradeniya Sri Lanka</u>	Dr P.B.S. Mendis	ICP RPD
499	Study of Cigarette Smoking in Children and Adolescents in Bangkok	1 year	March 1985	National Cancer Institute Rama VI Road <u>Bangkok, Thailand</u>	Dr Ghunpit Bunyaratavej	ICP RPD
555	Activities to be undertaken by WHO Collaborating Centre for Research and Training for Prevention and control of Diabetes Mellitus	1 year	1984	BIRDEM <u>Dhaka Bangladesh</u>	Dr (Mrs) Hajera Mahtab	ICP RPD
631	Epidemiological Study on Arthritic Diseases in Urban and Rural Areas	1 year	June 1986	Faculty of Medicine University of Indonesia <u>Jakarta, Indonesia</u>	Dr Ahmed Sanoesi Tambunam	ICP RPD
752	Sample Survey of school children for detection, prevention and control of rheumatic fever (RF) and Rheumatic Heart Diseases (RHD) in the urban communities of the hill region of Nepal	2 years	April 1988	Mrigendra Medical Trust Mrigendra Medical Trust Bldg., P.O. Box 2587, Ranipokhari Jamal, <u>Kathmandu, Nepal</u>	Dr M.R. Pandey	NEP NCD

LIST OF ONGOING RESEARCH PROJECTS - AREAWISE

SN No.	Title of Project	Duration	Starting Date	Department, Institute & Country	Principal Investigator	Source of Funds
<u>PREVENTION OF BLINDNESS</u>						
568	Control of Blinding Trachoma through Local Volunteers	1 year	March 1986	Prevention and Control of Blindness Project P.O. Box 108 Nepal Eye Hospital Bldg., Tripureswar, <u>Kathmandu</u> Nepal	Dr Chet Raj Pant	ICP RPD
751	A comparative study on patients among the three levels at eye care facilities in Thailand	1 year	February 1988	Faculty of Nursing Chiang Mai University <u>Chiang Mai - 5000</u> Thailand	Dr Wichit Srisuphan	TEA RPD
<u>COMMUNICABLE DISEASES</u>						
607	Investigation of chronic pulmonary infections of unknown etiology for evidence of systemic mycotic disease with special reference to histoplasmosis	1 year	January 1988	Medical Research Institute <u>Colombo-8</u> Sri Lanka	Dr M.C. Attapattu	ICP RPD
<u>TUBERCULOSIS</u>						
520	Study on Immunodiagnostic Techniques in the Evaluation of Tuberculosis	2 years	1985 (extended upto 1989)	Radiation Medicine Centre Bhabha Atomic Research Centre T.M.C. Annexe, Parel <u>Bombay, India</u>	Dr (Mrs) A.M. Samuel	ICP RPD
<u>MISCELLANEOUS</u>						
340	Reduced Immunization Schedule of Humans against rabies with suckling Mouse Brain Vaccine	18 months	July 1984	Department of Communicable Disease Control Division of Communicable Diseases <u>Bangkok, Thailand</u>	Dr V. Meesombook	ICP RPD
390	Clinical Research on Snakebite in Burma	1 year	August 84	Department of Medical Research Ministry of health <u>Rangoon, Burma</u>	Dr Thein Maung Myint	ICP RPD
629	A Survey of the Health and Socio-economic problems of the aged in Bangladesh	6 months	August 1986	Bangladesh Association for the Aged and the Institute of Geriatric Medicine Agragaon, Shere-e-Bangla Nagar <u>Dhaka-7, Bangladesh</u>	Dr Mohammed Ibrahim	ICP RPD
638	Support to Library under HSR/HeLLIS Information System	1 year	March 1986	Health School <u>Thimphu, Bhutan</u>	Mr D. Wangchuk	ICP RPD
639	Support to the Center to Establish a National medical Library under HSR/HeLLIS Information System	1 year	March 1986	Allied Health Services Training Centre <u>Male, Maldives</u>	Mr Moosa Anvor	ICP RPD

LIST OF ONGOING RESEARCH PROJECTS - AREAWISE

SN No.	Title of Project	Duration	Starting Date	Department, Institute & Country	Principal Investigator	Source of Funds
688	Support to Library under HSR/HeLLIS Information System	1 year	May 1986	Central Scientific Medical Library Ministry of Health <u>Ulan Bator, Mongolia</u>	Dr V.,. Damdinsuren	ICP RPD
697	Study the Prevalence of Intestinal Parasites and Problems Associated with it	2 years	August 1987	Central health Laboratory Teku, <u>Kathmandu,</u> Nepal	Dr V.L. Gurubacharya	ICP RPD
699	Longitudinal study of filariasis in Central Transect of Nepal	1 year	March 1988	Nepal Malaria Eradication Orgn. Baneshore, <u>Kathmandu</u> Nepal	Ms Yeeta Rajbhandari	ICP RPD
706	Epidemiological study of snakebite in Bangladesh	1 year	April 1988	Institute of Public Health Mohakhali <u>Dhaka, Bangladesh</u>	Dr B. Chowdhury	ICP RPD
719	Research on the Medicinal Plants Those used as Dental and Oral Treatment by Indonesian People, for prevention and curative needs in Dental Health.	6 months	April 1988	Faculty of Dentistry Padjadjaran University <u>Bandung</u> Indonesia	Dr Syarif Suwondo	ICP RPD
737	Elaboration of recommendations for production of enzymic reagent kits to determine glucose, cholesterol, creatinine and uric acid in the blood	2 years	March 1988	Department of Biochemistry Mahidol University <u>Bangkok</u> <u>Thailand</u>	Dr Pichit Tosukhowong	ICP RPD

**RESEARCH TRAINING GRANTS AND
VISITING SCIENTISTS GRANTS**

WHO VISITING SCIENTIST GRANTS/
RESEARCH TRAINING GRANTS AWARDED BY SEARO
FROM APRIL 1987 TO MARCH 1988
UNDER INTER-COUNTRY PROJECTS

AREA	BAN	BUR	IND	MAV	NEP	SRL	TOTAL
Public Health	-	1	-	1	-	-	1
Immunology & Chemotherapy of Malaria	-	1	-	-	-	-	1
Social Science	-	-	-	-	-	1	1
Entomology	-	-	-	-	1	-	1
Thalassemia & Related Haemolytic Disorders	-	1	-	-	-	-	1
Radioisotopic Medicine	-	1	-	-	-	-	1
Chronic Liver Disease	-	-	-	-	-	2	2
Rural Water Supply & Sanitation	1	-	-	-	-	-	1
Tropical Diseases	-	-	-	-	-	1	1
Thyroxine Metabolism	-	-	1	-	-	-	1
TOTAL NUMBER OF AWARDEES	1	3	1	1	1	4	11
TOTAL NUMBER OF MAN/MONTHS	1/2	24	1	12	3	6-1/2	47

WHO VISITING SCIENTIST GRANTS/
RESEARCH TRAINING GRANTS AWARDED IN BY SEARO
FROM APRIL 1987 TO MARCH 1988
UNDER INTER-COUNTRY PROJECTS

S.No.	Institution & Country of the Awardee	Field of Study	Duration	Host Country
1.	Ministry of Health Malè, Maldives.	Public Health	2 years	USA
2.	Department of Medical Research Rangoon, Burma	Immunology & Chemotherapy of Malaria	6 months	USA
3.	University of Colombo Colombo, Sri Lanka	Social Science	3 months	USA
4.	Ministry of Health Kathmandu, Nepal	Entomology	3 months	India
5.	Department of Medical Research, Rangoon Burma	Thalassemia & Related Haemolytic Disorders	One Year	UK
6.	Department of Medical Research, Rangoon Burma	Radioisotopic Medicine	6 months	Canada
7.	General Hospital Colombo, Sri Lanka	Chronic Liver Disease	4 weeks	USA/UK/
8.	General Hospital Colombo, Sri Lanka	Chronic Liver Disease	4 weeks	USA/UK/
9.	Bangladesh University of Engg. & Technology Dhaka, Bangladesh	Rural Water Supply & Sanitation	Two weeks	India/ Thailand
10.	Department of Health Services Colombo, Sri Lanka	Tropical Diseases	Six weeks	Netherlands
11.	All India Institute of Medical Sciences New Delhi, India	Thyroxine Metabolism	Four weeks	USA

SCIENTIFIC WORKING GROUPS/MEETINGS
SUPPORTED UNDER INTER-COUNTRY
RESEARCH FUNDS

SCIENTIFIC WORKING GROUPS/MEETINGS SUPPORTED UNDER RESEARCH FUNDS

FROM 1 APRIL 1987 - 31 MARCH 1988

Sl. No.	TITLE OF THE MEETING	VENUE & DATE	PROJECT
1.	Meeting of Principal Investigators of Study on Low Birth Weight and Infant Morbidity and Mortality	SEARO, New Delhi 8-10 April 1987	ICP RPD 002
2.	13th Session of the South-East Asia Advisory Committee on Health Research (SEA/ACHR)	Ulan Bator, Mongolia 28 July-3 August 1987	ICP RPD 001
3.	Inter-country Consultation on "AIDS: Situation in South-East Asia and Prevention and Control	SEARO, New Delhi 5-7 August 1987	ICP RPD 001
4.	Task Force on Institutional Strengthening	SEARO, New Delhi 30-31 October 1987	ICP RPD 001
5.	South-East Asia Regional Task Force on Health Systems Research	SEARO, New Delhi 2-4 November 1987	ICP RPD 001
6.	Regional Consultation on "Targetting for Reorientation of Medical Education	SEARO, New Delhi 20-22 November 1987	ICP RPD 001
7.	Inter-Country Workshop on Management Development in Maternal and Child Health/ Family Planning (ICP MCH 011)	SEARO, New Delhi 23-27 November 1987	ICP RPD 001
8.	Meeting of Principal Investigators of the Study on Low Birth Weight and Infant Morbidity and Mortality	SEARO, New Delhi 2-4 December 1987	ICP RPD 110
9.	Meeting of Panel of Scientists for Institutional Strengthening	SEARO, New Delhi 10-11 March 1988	ICP RPD 001
10.	Inter-Country Workshop for Trainers on the Laboratory Diagnosis of AIDS	Bangkok, Thailand 14-19 March 1988	ICP RPD 001
11.	Meeting of Principal Investigators of South-East Asia Region Multicentre Project to Control DHF Vectors by Community Participation	Rangoon, Burma 21-25 March 1988	ICP RPD 002

WHO COLLABORATING CENTRES

DISTRIBUTION OF WHO COLLABORATING CENTERS
IN THE SOUTH-EAST ASIA REGION

Area	BAN	BUR	DPRK	IND	INO	THA	Total
Acquire Immuno-Deficiency Syndrome	-	-	-	-	-	1	1
Acute Respiratory Infections	-	-	-	1	-	-	1
Cancer	-	-	-	3	-	-	3
Diabetic Mellitus	1	-	-	-	-	-	1
Diarrhoeal Diseases	-	-	-	1	-	-	1
Environmental Health	-	-	-	1	-	-	1
EPI Vaccine Testing	-	-	-	1	1	1	3
Gerontology & Geriatrics (Elderly)	-	-	1	-	-	-	1
Health Information System	-	-	-	1	-	-	1
Health Services Research	-	-	-	-	1	-	1
Human Reproduction	-	-	-	3	-	2	5
Immunology	-	-	-	1	-	1	2
Malaria	-	-	-	1	-	1	2
Mental Health	-	-	-	2	1	1	4
Nursing	-	-	-	-	-	1	1
Nutrition	-	-	-	-	1	-	1
Occupational Health	-	-	-	1	1	1	3
Prevention of Blindness	-	-	-	1	-	-	1
Preventive Cardiology	-	-	-	1	-	-	1
Primary Health Care	-	-	-	-	-	1	1
Quality Assurance of Drugs	-	-	-	1	1	1	3
Radiation Medicine	-	-	-	2	-	1	3
Streptococcal Diseases	-	-	-	1	-	-	1
Traditional Medicine	-	-	-	2	-	-	2
Tuberculosis	-	-	-	2	1	-	3
Vectors Biology and Control	-	1	-	1	-	1	3
Veterinary Public Health	-	-	-	3	-	-	3
Virology	-	-	-	1	-	-	1
	1	1	1	31	7	13	54

LIST OF NATIONAL CENTRES

LIST OF NATIONAL INSTITUTIONS IN THE SEA REGION RECOGNIZED BY WHO

Sponsorship	Date of Designation (D)/ (Month/Year)	Investigator/ Institution	Title of the Centre
HQ	D: /	Environmental Pollution Control Board, Ministry of Local Govt. Rural Development Cooperatives Dhaka, BANGLADESH	National Reference Centre on Water Pollution
HQ	D: 09/81	Dr Farida Huj Microbiological Laboratory Institute of Public Health Dhaka, BANGLADESH	National Influenza Centre
SE	D: 05/79	Dr Khin Maung Tin Dept of Medical Research Ministry of Health Rangoon, BURMA	National Centre for Viral Hepatitis
HQ	D: /74	Dr Kim Ju Il Central Hygienic and Anti-Epidemic Station PYONGYANG	National Influenza Centre
HQ	D: 11/80	Professor B.B. Sethi Dept of Psychiatry King George's Medical College University of Lucknow Lucknow, INDIA	National Centre for Research and Training in Biological Psychiatry and Psychopharmacology

LIST OF NATIONAL INSTITUTIONS IN THE SEA REGION RECOGNIZED BY WHO

Sponsorship	Date of Designation (D)/ (Month/Year)	Investigator/ Institution	Title of the Centre
SE	D: 03/80	Dr Jagannathan Department of Neurology Madras Medical College Madras, INDIA	National Centre for Research and Training in Neurosciences
HQ	D: 03/80	Dr P.M. Dalal Department of Neurology Topiwalla National Medical College Bombay, INDIA	National Centre for Research and Training in Neurosciences
HQ	D: /	Central Board for the Prevention and Control of Water Pollution	National Reference Centre on Water Pollution
HQ	D: /	Dr H.M. Bhatia Indian Council of Medical Research Seth G.S. Medical College Bombay, INDIA	National Blood Group Reference Laboratory
SE	D: 08/82	All India Institute of Medical Sciences Indian Council of Medical Research New Delhi, INDIA	National Institution for Anaerobic Microbiology

LIST OF NATIONAL INSTITUTIONS IN THE SEA REGION RECOGNIZED BY WHO

Sponsorship	Date of Designation (D)/ (Month/Year)	Investigator/ Institution	Title of the Centre
HQ	D: 09/67	National Reference Laboratory for Salmonella and Escherichia Central Research Institute Kasauli, INDIA	National Reference Centre for Enterobacteriaceae
HQ	D: 09/67	National Reference Laboratory for Shigella Dept of Pathology King George's Medical College Lucknow, INDIA	National Reference Centre for Enterobacteriaceae
HQ	D: 09/67	National Reference Laboratory for Phage-Typing of Salmonella Typhi and Paratyphi Department of Microbiology Lady Hardinge Medical College New Delhi, INDIA	National Reference Centre for Enterobacteriaceae
HQ	D: 09/67	National Reference Laboratory for Meningococci National Institute for Communicable Diseases Delhi, INDIA	National Reference Centre for Meningococcus
HQ	D: 09/67	National Reference Laboratory for Streptococci Department of Microbiology Christian Medical College Vellore, INDIA	National Reference Centre for Streptococcus

LIST OF NATIONAL INSTITUTIONS IN THE SEA REGION RECOGNIZED BY WHO

Sponsorship	Date of Designation (D)/ (Month/Year)	Investigator/ Institution	Title of the Centre
HQ	D: 09/67	National Reference Laboratory for Staphylococci National Institute for Communicable Diseases Delhi, INDIA	National Reference Centre for Staphylococcus
HQ	D: 09/67	Dr S.C. Pal National Institute of Cholera and Enteric Diseases (Cholera Research Centre) Calcutta, INDIA	National Reference Centre for Vibrios
HQ	D: 02/51	Dr M.V. Shirodkar Department of Virology Haffkine Institute Bombay, INDIA	National Influenza Centre
HQ	D: 02/51	Dr A. Balasubramanian Pasteur Institute of Southern India Coonoor, INDIA	National Institution for Influenza
HQ	D: 01/77	Dr M. Balasubrahmanyam Central Research Institute Kasauli, INDIA	National Influenza Centre

LIST OF NATIONAL INSTITUTIONS IN THE SEA REGION RECOGNIZED BY WHO

Sponsorship	Date of Designation (D)/ (Month/Year)	Investigator/ Institution	Title of the Centre
HQ	D: 08/80	Dr Korshed Pavri National Institute of Virology Pune, INDIA	National Influenza Centre
HQ	D: 01/81	Dr B.N. Tandon Dept of Gastroenterology All India Institute of Medical Sciences, New Delhi, INDIA	National Centre for Viral Hepatitis
HQ	D: 02/81	Dr S.R. Pal Department of Virology Postgraduate Institute of Medical Education and Research, Chandigarh, INDIA	National Centre for Viral hepatitis
HQ	D: 02/81	Dr A.N.D. Nanavati Department of Virology Haffkine Institute Bombay, INDIA	National Centre for Viral Hepatitis
HQ	D: 02/81	Dr Korshed Pavri National Institute of Virology Pune, INDIA	National Centre for Viral Hepatitis

LIST OF NATIONAL INSTITUTIONS IN THE SEA REGION RECOGNIZED BY WHO

Sponsorship	Date of Designation (D)/ (Month/Year)	Investigator/ Institution	Title of the Centre
HQ	D: 07/81	Dr T. Jacob John Enterovirus Unit Christian Medical College and Hospital Vellore, INDIA	National Centre for Enterovirus
HQ	D: 07/81	Dr K.H. Dave Enterovirus Unit Haffkine Institute Bombay, INDIA	National Centre for Enterovirus
SE	D: 09/81	Dr A.K. Prasad Department of Virology Vallabhai Patel Chest Institute University of Delhi, Delhi, INDIA	National Centre for Respiratory Virology
HQ	D:	Institute of Hydraulic Engineering Directorate of Hydrochemistry Bandung, INDONESIA	National Reference Centre on Water Pollution
HQ	D: /67	Dr M. Erber National Salmonella Centre Ejkman Institute Jakarta, INDONESIA	National Reference Centre for Enterobacteriaceae

LIST OF NATIONAL INSTITUTIONS IN THE SEA REGION RECOGNIZED BY WHO

Sponsorship	Date of Designation (D)/ (Month/Year)	Investigator/ Institution	Title of the Centre
HQ	D: 10/62	Dr D. E. Harahap Virology and Rickettsic Division National Inst. For Health Research & Development Ministry of Health Jakarta, INDONESIA	National Influenza Centre
HQ	D: 09/85	Dr Robert T.L. Pang Division of Hepatology Dept. of Internal Medicine Ciptcmanguakusumo Hospital Jakarta, INDONESIA	National Institution for Viral Hepatitis
HQ	D: 12/85	Dr Sceharyono Centre for Communicable Diseases Research Jakarta, INDONESIA	National Institution for Viral Hepatitis
HQ	D: 09/85	Dr S.M. Shrestha Bir Hospital Kathmandu, NEPAL	National Institution for Viral Hepatitis

LIST OF NATIONAL INSTITUTIONS IN THE SEA REGION RECOGNIZED BY WHO

Sponsorship	Date of Designation (D)/ (Month/Year)	Investigator/ Institution	Title of the Centre
HQ	D:	Central Water Resources Board Colombo, SRI LANKA	National Reference Centre on Water Pollution
HQ	D: 10/67	National Reference Laboratory for Enterobacteriaceae and Enteric Phage-Typing Medical Research Inst. of Sri Lanka Colombo, SRI LANKA	National Reference Centre for Enterobacteriaceae
HQ	D: 10/67	National Reference Centre for Staphylococci Medical Research Inst. of Sri Lanka Colombo, SRI LANKA	National Reference Centre for Staphylococcus
HQ	D:	Dr Nalini Withana Virus Laboratory Colombo South Hospital Colombo, SRI LANKA	National Influenza Centre
HQ	D: 09/85	Dr U.T. Vitarana Medical Research Institute of Sri Lanka Colombo, SRI LANKA	National Institution for Viral Hepatitis
HQ	D:	Environmental Health Division Department of Health Ministry of Public Health Bangkok, THAILAND	National Reference Centre on Water Pollution

LIST OF NATIONAL INSTITUTIONS IN THE SEA REGION RECOGNIZED BY WHO

Sponsorship	Date of Designation (D)/ (Month/Year)	Investigator/ Institution	Title of the Centre
HQ	D: /52	Dr B. Sundharaciati National Blood Centre The THAI Red Cross Society Bangkok, THAILAND	National Blood Group Reference Laboratory
HQ	D: 10/67	National Reference Laboratory for Enterobacteriaceae Institute of Pathology Medical Sciences Department Bangkok, THAILAND	National Reference Centre for Enterobacteriaceae
HQ	D: 10/67	National Streptococcus Reference Centre Institute of Pathology Medical Sceinces Department Bangkok, THAILAND	National Reference Centre for Streptococcus
HQ	D: 10/67	National Vibrio Reference and Phage-Typing Centre Institute of Pathology Medical Sciences Department Bangkok, THAILAND	National Reference Centre for Vibrios
HQ	D: 03/82	Dr A. Sukonthaman Department of Microbiology Faculty of Medicine Chulalongkorn University Bangkok, THAILAND	National Institution for Reference on Streptococcus

LIST OF NATIONAL INSTITUTIONS IN THE SEA REGION RECOGNIZED BY WHO

Sponsorship	Date of Designation (D)/ (Month/Year)	Investigator/ Institution	Title of the Centre
HQ	D: 06/68	Dr K. Chatiyanda Virus Research Institute Department of Medical Sciences Ministry of Public Health Bangkok, THAILAND	National Influenza Centre
HQ	D: 09/85	Dr Nadhirat Sangkawibha Virus Research Institute Department of Medical Sciences Ministry of Public Health Bangkok, THAILAND	National Institution for Viral Hepatitis
HQ	D: 07/85	Professor Natth Bhamarapavati Faculty of Medicine Ramathibodi Hospital Mahidol University Bangkok, THAILAND	National Institution for Viral Hepatitis

CONSULTANT SERVICES

CONSULTANTS UTILIZED
FROM APRIL 1987 TO MARCH 1988

S.No.	Terms of Reference	Duration	Place of work
1.	To assist in the organization of the two meetings: (i) Task Force on Institutional Strengthening, 1987; (ii) Task Force on Health Systems Research, 1987	3 weeks	SEARO
2.	To prepare working paper on "Clinical Research - to strengthen & realign towards HFA-2000" for discussion at the Fourteenth SEA/ACHR meeting to be held in Colombo in April 1988.	5 weeks	SEARO
3.	To prepare background document on Institutional Strengthening for discussion at the Task Force Meeting held in SEARO from 30-31 October 1987; formulation of HRP projects, identify institutions for collaboration with TDR and finalize research project proposals prepared for the HRP workshop held in Nepal.	4.5 months	SEARO & Nepal
4.	To undertake specific tasks concerned with Regional RPD programme.	11 months	SEARO
5.	To assist in activities related to research capabilities strengthening and TDR.	6 months	SEARO
6.	To assist in HRP and institutional strengthening activities and the preparatory work for the Sixth MRCs Meeting.	4.5 months	SEARO
