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TECHNICAL ASSISTANCE TO
INTERNATIONAL INSTITUTE OF POPULATION STUDIES
Contract No. ~~391~~-0469-C-00-7167-00

Inception Report
submitted to
Contracting Officer

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March 10, 1988

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I. INTRODUCTION

This is an inception report relating to the technical assistance to the National Institute of Population Studies (NIPS), Islamabad, Pakistan being provided by the International Science and Technology Institute Inc. (ISTI) under the Contract No. 391-0469-C-7167-00.

The report consists of five sections: following the introduction, the section provides general frame of reference and specific duties and responsibilities of the Resident Adviser during the two year assignment; the third section describes a brief summary of the activities carried out by the Resident Adviser during the first 90 days followed by the fourth section describing plan of priority tasks to be accomplished in the first year. The fifth and the last section presents a broad outline as goals and activities for the second year.

Following this inception report, a progress report will be submitted each quarter followed by a final project report in October, 1989, one month prior to the completion of the project.

2. SCOPE OF WORK

The role of ISTI is to provide long and short-term technical assistance and advisory services to NIPS, the research and data collection organization. In doing so, ISTI is to help the organization increase its capacity to perform its regular functions, and attain its stated objectives. ISTI is expected, through the provision of technical expertise to contribute to the ability of this organization to: produce accurate data; conduct reliable, relevant research; and to effectively disseminate collected information, and research results to policy-makers and others.

A. Specific Responsibilities of the Resident Adviser

The specific role of the International Science and Technology Institute, Inc. (ISTI), through its Chief or Party and the Resident Adviser, is to provide long and short-term technical assistance and advisory services to the National Institute of Population Studies, Pakistan, a semi-autonomous organization which was specifically created to coordinate and conduct applied and policy related research on population. Specific charges assigned to the NIPS are:

- i. To conduct substantive and methodological research in the evaluation of program efforts; the demographic impact of developmental change; and the interrelationship of population and development variables.
- ii. To disseminate the results of research within the Government of Pakistan.
- iii. To assist in monitoring and developing various information systems for the Population Welfare Program.
- iv. To undertake the skills of the institute's staff through training and greater experience in the application of skills.
- v. To experiment with innovative approaches designed to enhance population and development linkages, and to improve the quality of data available.
- vi. To perform population-policy research and provide expert advice to the government in population program and policy matters.

Because the NIPS was established less than two years ago, on March 17th, 1986, its most immediate requirements are staffing of trained personnel in demographic research, and establishing data processing capabilities among others in order to function as a national research institute.

Thus, the responsibilities of the ISTI and the Resident Adviser are to assist the NIPS to increase its capacity

to perform its assigned functions and attain its stated objectives. The Resident Adviser, with the assistance of short-term technical consultants, is to provide needed technical expertise to the NIPS to produce accurate, and reliable data, evaluate and utilize existing demographic data, undertake applied and policy relevant research, and to effectively disseminate collected information, and the results of research to policy makers, administrators and other users.

The Resident Adviser is to help the NIPS as a fully functioning, self-sustaining research organization. Specific responsibilities of the Resident Adviser are:

(1) Research

The NIPS Resident Adviser shall:

- assist in the design of the Institute's research efforts;
- provide advice as to the types of methodology appropriate for the various research activities undertaken;
- make determinations about the quality of data generated;
- make recommendations about the appropriate types of analysis, and assist in the analysis of data; and
- assist in the preparation of research results.

(2) Seminars and Workshops

The NIPS Resident Adviser shall:

- assist in the identification of seminar/workshop topics, and the design of their contents;
- help in the selection of qualified, and appropriate participants; and
- work to incorporate the results of seminars/workshops within other activities of the Institute.

(3) Program Evaluation

The NIPS Resident Adviser shall:

- contribute to the design of program evaluation, particularly in the identification of significant variables for measurement, and the appropriate methodology to do so;
- assist in the analysis of evaluation data;
- on the basis of results of previous evaluation, make recommendations for changes in the evaluation scope, design or methodology to improve the accuracy, and capabilities of future evaluations; and
- assist in making such evaluations pertinent to population policy consideration.

(4) Publications and Information Dissemination

The NIPS Resident Adviser shall:

- make recommendations for improving the dissemination, and effective utilization of analysis results;
- assist in the design, preparation and production of quality publications; and
- assist in preadapting dissemination materials to target audiences.

(5) Identification of Technical and Training Needs

The NIPS Resident Adviser shall:

- assist the Institute identify areas, where short-term technical assistance would be beneficial to the Institute's activities;
- assist in preparing scopes of work for short-term technical assistance;
- assist in the review and selection of appropriate and qualified short-term technical assistance; and
- help identify training needs for the staff of the Institute in order to increase the skills of staff and the Institute's capabilities.

B. Short-term Technical Assistance

In addition to the Resident Adviser, ISTI shall also provide short-term technical assistance to NIPS. The technical areas of assistances appropriate to the nature of work of the Institute, are to be provided. It is anticipated that about 8 person-months of short-term technical assistance will be required for the Institute.

C. Possible Outputs Anticipated

The major outputs anticipated from the project activities include the following:

- i. A computer-based printed inventory of all population related research on Pakistan.
- ii. A data archive developed on the NIPS micro-computers.
- iii. A cadre of NIPS staff trained on the use of micro-computer.
- iv. Establishment of a research coordinating committee.
- v. Undertake three or four major research activities based on sample surveys.
- vi. Undertake two major pieces of research based on the existing data.
- vii. Make data disketts available to other researchers.
- viii. Produce and distribute research reports to end users.
- ix. Organize and conduct seminars and workshops on various population related topics.
- x. Plan and conduct evaluation studies of the Population Welfare Program activities.
- xi. Develop and implement training programmes for NIPS staff in Pakistan, and abroad.

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3. SUMMARY OF THE ACTIVITIES OF RESIDENT ADVISER
DURING THE THREE MONTHS FROM NOVEMBER 24, 1987
TO FEBRUARY 23, 1988

Following a one day briefing at the USAID/Washington, D.C. and at the International Institute of Science and Technology, Inc. the Resident Adviser left Washington, D.C. on November 20th, and arrivedⁱⁿ Islamabad on November 24th, 1987. From the day of arrival, the Resident Adviser was able to devote full-time on the project activities largely because of an excellent logistic support services provided by the USAID/Islamabad. The following is a brief summary of activities of the Resident Adviser during the 90-day period from November 24, 1987 to February 23, 1988:

A. Orientation and Discussions

- i. During the first 90 days, almost daily meetings and discussion sessions were held with Chief Executive, Director General, and other senior research officers to learn the organizational set-up and functioning of the NIPS. In addition, a number of private sessions were held with the Chief Executive of the NIPS, Director General of NIPS, and a Consultant on field surveys at the NIPS supported by UNICEF.
- ii. Reviewed background papers relating to the establishment of NIPS and broad responsibilities given to NIPS.
- iii. Reviewed the USAID Project Paper on Pakistan - Population Welfare Planning, leading to the original assistance agreement signed in 1982.
- iv. Reviewed the USAID Project Paper Amendment, Pakistan - Population Welfare Planning, dated June, 1986.
- v. Reviewed various office files at the NIPS relating to USAID Project - Population Welfare Planning.
- vi. Visited research organizations, and met officials and scholars involved in population activities.

List of individuals met and organizations visited is presented in Appendix-I

B. Research

- i. On a special request from the Chief Executive of the NIPS, reviewed and made detailed technical and editorial comments on research report, The State of Population in Pakistan (pp 365). Assisted in editing the entire text, table and figure headings and reorganizing, and rearranging the table format and the figures.
- ii. Reviewed a research report entitled, The Population Projections, Pakistan, 1981 to 2031 (pp 195).
- iii. Assisted in data processing on micro-computers and the analysis of the data collected from the 1987 Evaluation Survey of Non-Governmental Organizations (NGOs) on Population Welfare Programme in Pakistan using three different modules covering 38 NGOs, 53 service-outlets, and more than 1600 households.
- iv. Assisted in developing tabulation plans, and data analysis of NGO Survey.
- v. Assisted in writing and editing NGO Survey Interim Report.
- vi. Initiated a research project "Urbanization in Pakistan, 1951-1981".
- vii. Initiated a research project "Internal Migration in Pakistan, 1951-1981".

C. Seminars and Workshops

- i. Monthly seminars on demographic techniques at the NIPS have been proposed, and the first seminar will be held in April, 1988.
- ii. A national seminar to discuss the results of the 1984-85 Contraceptive Prevalence Survey is planned and is to be held in June, 1988.
- iii. A workshop on Family Planning Operations Research is planned for June, 1988 in collaboration with the University Research Corporation, Washington, D.C.
- iv. In addition, the needs for holding several regional, national and provincial seminars and workshops on population and development, family planning, data collection etc. have been identified, and discussed with the counterparts. These seminars and workshops are listed in the planned activity section.

- v. Encouraged participation of the NIPS staff in seminars, and workshops being held abroad. Two NIPS staff members are recommended for participation in the 1988 East-West Centre workshop in June, and two additional staff members are also being considered for similar training abroad.
- vi. Discussions were also held to schedule a study tour for the Chief Executive and the Director General to visit selected national demographic research institutions in Asia and a few graduate training institutions in demography in the United States.

D. Program Evaluation

- i. Assisted in the data analysis and writing the interim report and the final report of the Evaluation of Non-Governmental Organization's Participation in the Population Welfare Program in Pakistan, 1987.
- ii. Several discussions were held and tentative plans are developed to undertake Pakistan Contraceptive Prevalence Survey, 1988, in October and November.
- iii. Assisted in data tabulation and editing of mid-term evaluation of Population and Family Welfare Education for Workers' Project.
- iv. Assisted in planning several other evaluation surveys to be carried out by NIPS or to be coordinated by the NIPS during the next two years. These surveys are listed in the Planned Activity section.
- v. Assisted in developing an inventory of Information, Education and Communication (IEC) materials produced in Pakistan and making comparative analysis.

E. Publication and Information Dissemination

- i. Assisted in developing an inventory of demographic research conducted on the population of Pakistan.
- ii. Assisted in selecting, procuring and installing micro-computers:
 - one unit of Epson Equity II [Purchased]
 - one unit of Compaq Desk Pro 286 [Advanced delivery of purchased unit]
 - one unit of AST-286 [Demonstration Model]
 - one unit of Epson Printer EX 1000 [Purchased]
 - one unit of Seiksha Printer SD 3005 [Demonstration Model]

- iii. Assisted in micro-computer training.
- iv. Assisted in purchasing and obtaining an advance copy of the computer software, Statistical package for Social Sciences (SPSS).
- v. Arranged and assisted in installation of and training on SPSS.
- vi. Assisted in securing and installing computer soft-ware, Wordstar.
- vii. Assisted in training on Wordstar.

F. Identification of Technical and Training Needs

- i. Assisted in developing training needs for the NIPS and identifying candidates for the project training component as well as other training opportunities available through other donors. Various training program, workshops, and seminars are incorporated in the planned activities presented in the next section.
- ii. A training program in Methods of Demographic Analysis was designed for the junior staff of the NIPS, and other government agencies. The training programme will begin on March 10, 1988 and a copy of course outline is attached in Appendix II.
- iii. Delivered 3 special lectures on Construction of Life Tables, Model Life Tables and Uses of Life Tables to graduate students, and faculty members at the Population Studies Centres and the Department of Statistics, University of Karachi.

G. Short-Term Technical Assistance

- i. Areas of technical expertise needed and timing for the eight man months short-term technical assistance included in the ISTI contract are tentatively identified and incorporated in the planned activities.
- ii. Assisted in recruiting two short-term expatriate Pakistani Consultants, Dr. Riaz Hassan, Flinders University of South Australia, and Dr. Farhat Yusuf, the University of Macquire, Australia for 5 to 8 weeks to work on the analysis of 1984, Pakistan Contraceptive Prevalence Survey data and wrote terms of reference.

H. Administrative and Other Activities

- i. Reviewed and made suggestions on the proposed Service Rules for the NIPS.
- ii. Initiated and organized a weekly senior staff meeting at the NIPS to set goals and objectives for the next 12 months, develop strategies for achieving these goals and objectives and to monitor progress status.
- iii. Developed and proposed functional and organizational chart for the NIPS.
- iv. Organized meetings of the research staff of the NIPS to discuss further on the functional charts and internal reorganization at the NIPS. Research and other functions of each Division, and each Unit within Division and the NIPS were clearly defined and staff assignment to each of the research unit and the divisions were made. With minor modifications, the proposals were accepted for implementation. Reorganization of the NIPS became effective on March 1, 1988. Chart is presented in Appendix III.
- v. Attended twice a month staff meeting of the Office of Health, Population, and Nutrition of USAID/Islamabad where status of all health, population and nutrition related projects in Pakistan are discussed.
- vi. Organized and attended joint project review meeting between the USAID HPN staff and the senior staff of the NIPS concerning project progress and logistic problems.
- vii. Reviewed and made recommendations on bids submitted to USAID/Washington relating to the procurement of 4 micro computer systems for the NIPS and 8 systems for the Population Welfare Division.

I. Contacts with Other Agencies and Persons Visited

- i. Visited Pakistan Institute of Development Economics (PIDE), and discussed areas of mutual interest, and possible collaboration (Dr. Syed Nawab Haider Naqvi, Director; Dr. Zeba A. Sathar, Senior Research Demographer and others).
- ii. Between February 2 to February 8, 1988, visited the following organizations and individuals in Karachi:
 - a. Mr. Frank Samaraweera, Resident Adviser, Social Marketing and Contraceptive Project,

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Chief of the Party, Population Sciences International and his Administrative Assistant, Mr. Nazim Ali at the USAID Liaison Office, Karachi.

- b. Dr. Zeba Zubair, Chairperson, Non-Governmental Organizations Coordinating Council (NGOCC), and Mr. Barkat Rizvi, Chief Executive.
 - c. Attended a meeting of the Working Group on Demographic Statistics at the Federal Bureau of Statistics, Karachi. Appointed as a Member of the Group by the Secretary, Statistics Division. Met other Members, who attended the meeting - Mr. M. Ishaque, Director-General and Mr. M.B. Malick, Director, Demographic Statistics, Federal Bureau of Statistics, Prof. Arif Ghayyur, University of Karachi, and others.
 - d. Met with Dr. Talat Khan, Director-General, National Research Institute of Fertility Control, Dr. Afroze Qazi, Director, Research; Mr. Mohammad Saeed Qureshi, Deputy Director, Statistics and Demography.
 - e. Visited with Dr. Arif Ghayyur, Professor and Director, Population Studies Centre, Karachi University, and Dr. Masood ul Haq, Professor and Chairman, and Professor Zahid Mahmood, Statistics Department, University of Karachi.
- iii. Between February 22 to 24, 1988, visited the following organizations, individuals in Lahore:
- a. Mrs. Surraya Jabeen, Director-General, Family Planning Association of Pakistan, and her staff, Mrs. Iffat Chaudhry, Senior Director, Research and Evaluation; and Mr. Mohammad Riaz, Director, Research and Evaluation.
 - b. Ms. Shaheen Atiqur Rehman, Chairman, Seventh Five Year Plan - Women.
 - c. USAID/Liasion Office, lahore

4. PLAN OF PRIORITY TASKS TO BE ACCOMPLISHED DURING THE FIRST YEAR, NOVEMBER, 1987 THROUGH DECEMBER, 1988

As stated earlier, the National Institute of Population Studies started functioning in March, 1986 to serve as a population and human resources development instrument of the Ministry

of Planning and Development and Population Welfare Division. It is to undertake micro and macro policy and programme performance evaluation, interdisciplinary research, impact studies of Population Welfare Programme, dissemination of information in population related activities, experiments on innovative approaches, and conducting special population related surveys etc.

The NIPS with active collaboration of other research organization is to concentrate its scope of research activities in the following four areas:

(a) Population and Development

- i. assessment of demographic impact of targets and goals of development programs;
- ii. interaction of population and health; literacy and education; food and nutrition; rural development; housing; manpower and labour force participation; income distribution; status of women; and natural resources and development;
- iii. fertility levels and trends;
- iv. mortality levels and trends;
- v. migration and urbanizations;
- vi. population structure and composition;
- vii. population projections (both national and sub-national and or rural-urban areas; and
- viii. demographic techniques.

(b) Policy and Programme Evaluation Analysis

- i. evaluation of various components of the Population Welfare Programme with particular reference to efficacy of service delivery outlets, and other projects such as Family Welfare Centres (FWCs), Reproductive Health Centres (RPCs), distribution of agents, family welfare workers, contraceptive mix, logistics support; and Information, Education, Communication (IEC);

- ii. feedback of the results of evaluation;
- iii. policies which have direct effect on the levels of fertility, mortality, internal migration and international migration;
- iv. policies and laws which have indirect effect on the aforesaid variables; and
- v. policies affecting female education, and female labor participation and child labor.

(c) Social and Behavioral Changes

- i. correlates of socio-psychological aspects for fertility and its regulation;
- ii. determinants of contraceptive usage and attitudes towards family planning;
- iii. value of children by sex;
- iv. dependence on children as a source of support and security;
- v. male and female attitudes towards change in the status of women;
- vi. male attitudes towards family size;
- vii. migration and behavior change;
- viii. responsible parenthood;
- ix. reasons for non-use of contraception and contraceptive discontinuation;
- x. use-effectiveness of various contraceptives;
- xi. family size preferences; and
- xii. correlates of breastfeeding practices in Pakistan.

(d) Surveys, Experiments and Innovative Studies

- i. Experimentation on innovative approaches to family planning;
- ii. contraceptive use prevalence surveys;
- iii. population and program related surveys;

- iv. development of management information system (MIS);
- v. development of vital statistics and other activities related to quality of data;
- vi. collection of data through existing sources;
- vii. use effectiveness of various contraceptive mixes; and
- viii. health related surveys including child survival etc.

NIPS is to publish annually, 'The State of Population in Pakistan', which will comprise information on demographic, and population related variables in historical perspective.

The NIPS Work Programme for the periods 1987 through 1992-93 covers the following main program in the fields of population research in Pakistan:

- (i) Population Growth and Economic Development.
- (ii) Evaluation of Various Components of Population Welfare Programme.
- (iii) Attitudinal and Behavioral Research in the Fields of Population.
- (iv) Methodological and Substantive Research in Population and Development.
- (v) Surveys and Experimental and Innovative Studies.
- (vi) Publication of biannual Population Journal, Inventory of Population Research and Holding of Incountry and International Population Seminars.
- (vii) Training Program of National Institute of Population Studies.

Based on a careful review of the project background documents, including the Project Paper, Pakistan Population Welfare Planning, prepared in March, 1982, the amended agreement dated June, 1986, and Work Programme and Priorities of NIPS,

1987-1993, dated January, 1987, and extensive discussion with the NIPS staff, the following activities have been identified for implementation during the year 1988. Activity flow charts, 1988 and 1989 are presented in Appendix IV. The Resident Adviser is to assist in all phases of the ongoing and planned activities.

5. TENTATIVE WORK PROGRAM AND PRIORITIES FOR 1988

(A) POPULATION GROWTH AND ECONOMIC DEVELOPMENT

The objective of this program is to present an illuminating picture of the various components of Pakistan's population both in isolation and in relation to various sectors of the economy.

(1) The State of Population in Pakistan, 1987

A comprehensive study of Pakistan's population has been prepared, and it is being published in the form of a book. The study portrays the levels and trends of Pakistan's population, and those of its components i.e. fertility, mortality, migration and urbanization since partition, both in isolation, and in relation to various socio-economic characteristics of the population. [In Press].

(2) The State of Population in Pakistan, 1988 [with emphasis on education]

During the year 1988, efforts will be directed towards examining the interrelationship between population growth and educational progress in Pakistan both during the past and in the future. The main task, however, will be to project as accurately as possible the long term implications of alternative population trends for educational development, given the present relationship, and the trends expected in the foreseeable future. (July, 1988 - February, 1989).

(3) Economic Value of Children

The data on Economic Value of Children collected in a pilot study conducted in 1986 are analyzed. [In Press].

(B) EVALUATION OF VARIOUS COMPONENTS OF POPULATION WELFARE PROGRAMME

The objective of this program is to conduct evaluation research on those aspects of the Population Welfare Programme, which are crucial for attaining the desired objectives of the program in the long run. These aspects in particular relate to the strengthening of the demand and supply side of the program at all levels.

(1) A diagnostic Study to Identify Constraints for Increased Contraceptive Prevalence

Through the technique of system analysis, the study will first identify the problem or constraints in the smooth functioning of Population Welfare Programme. (To be conducted with the assistance from the University Research Corporation) - May to October, 1988.

(2) Pakistan Contraceptive Prevalence Survey, 1988

Based on national sample survey, the study will mainly collect data on the current knowledge of family planning methods, current and past use of family planning methods, current, and past use of family planning and health services, current and cumulative fertility levels of the target population, and other relevant data. (June, 1988 - November, 1989 - technical assistance and collaborative work with other agencies required).

(3) Mid-Term Evaluation of "Population and Family Welfare Education for Worker's Project

The study seeks to measure the levels and determinants of knowledge, attitude and practice of family planning among factoryworkers in selected industrial establishments. Management and trade union's cooperation for the functioning of the inplant family planning program has been evaluated. The study will be completed by March, 1988.

(4) National Study on Evaluation of Family Welfare Centres - Outreach Component and Client Satisfaction

This study will be a magnified version of the pilot study conducted earlier in the Rawalpindi district. It will also assess the level of satisfaction of clients regarding the family planning services. The universe in this case will be the whole of Pakistan represented by samples selected on probability basis. (October, 1988 - July, 1989).

(5) Evaluation of Non-Governmental Organizations (NGOs) Activities in the Population Welfare Programme

NGOs' activities have become a very important component of the population welfare programme outside the public sector. Since NGOs' activities has expanded considerably during the recent past, a study has been conducted to evaluate systematically NGOs' activities. This study will be completed by the end of March, 1988.

(6) A Follow up of Non-Users of Contraceptives who do not want any more children

An indepth analysis of currently married women, who do not want any more children but do not practice contraception will be carried out on sample basis. (May - November, 1988).

(7) Pilot As Well As National Study on Effective Communication System of Pakistan's Population Planning Programme

In order to determine as to how far this component has been effective in disseminating the program message to the target population, a national pilot study and a national survey will be undertaken for evaluating this component of the program and for suggesting improvements therein (April, 1988 - June 1989 - Technical consultancy and collaboration with other agencies needed).

(8) Evaluation of Surgical Contraceptive Program at Reproductive Health Units

The major purpose of this evaluation study is to gain a better understanding of women, who have chosen to be sterilized. In addition, the study will provide information on the level and types of complications arising from surgery. (September, 1988 - May, 1989).

(9) Evaluation of Distribution Agents and Retail Sales of Contraception

The study will not only determine contraceptive availability and magnitude of sales through private retail outlets (e.g. general stores, chemist shops, pan shop, etc.) but also the effectiveness of district distribution agents. (December, 1988 - September, 1989).

(10) Evaluation of Motivators and Advisory Management Committee

The purpose of this evaluation study is to assess the performance of the female and male Family Welfare Assistants (FWA) in motivating potential contraceptive acceptors, and the outreach role of the Advisory Management Committee (AMC) attached to each Family Welfare Centre (October, 1988 - July, 1989).

(11) Development and Testing of Incentives For Increasing Contraceptive Use in Pakistan

Effectiveness of providing incentives in cash and kind for increasing the programme output will be tested. (December, 1988 - August, 1989).

(C) ATTITUDINAL AND BEHAVIORAL RESEARCH IN THE FIELD OF POPULATION

The objective of this program is to undertake those studies which can help identify the relevant socio-economic, demographic, behavioral and cultural factors, which in the long run would be crucial in bringing about substantial reduction in the desired family size in Pakistan.

(1) Preference for Number and Sex of Children and Contraceptive Use in Pakistan

This study will examine the relationship between fertility measures and contraceptive use in Pakistan after controlling the effects of previous fertility levels and other social, economic and demographic background characteristics (December 1988 - March, 1989)

(2) Determinants of Contraceptive Use in Pakistan

This study will investigate socio-economic, demographic and other related variables affecting contraceptive use in Pakistan. It will also determine the extent and the importance to which these variables could contribute to explaining variations in contraceptive use (December, 1988 - March, 1989).

(3) Determinants of Fertility and Fertility Differentials in Pakistan

The identification of factors that influence fertility behavior and their contribution to fertility levels and trends. (January, 1988 - December, 1989)

(4) Correlates of Female Participation in Labour Force in Pakistan

Factors effecting female participation in economic activity will be examined. Demographic variables like marital status, number and age structure of children will be considered alongside all the personal, socio-economic, demographic, and societal variables. (July - December, 1988).

(5) Age at Marriage and Fertility in Pakistan

This study aims to examine how much age at first marriage in Pakistan is affected by selected demographic, socio-economic and cultural factors, and how much rising age at marriage among various social groups accounts. (July - December 1988).

(L) METHODOLOGICAL AND SUBSTANTIVE RESEARCH IN POPULATION AND DEVELOPMENT

The objective of this program is to analyse levels and trends of population growth at national and regional levels in terms of their various components such as fertility, mortality, migration and urbanization as well as to analyse the inter-relationships among these components at all levels. It is also intended to undertake quantitative analysis of these components with various sectoral developments of the economy.

(1) Levels and Trends of Mortality in Pakistan

Mortality data available from various surveys in Pakistan will be evaluated in terms of quality and coverage through the application of various techniques. Series of life tables will then be constructed. (January - December, 1988)

(2) Provincial Estimates of Mortality in Pakistan

Utilizing age-specific mortality data for the provinces of Pakistan obtained from national population surveys, efforts will be made to estimate life tables for all the provinces by sex. (October, 1988 - December, 1989).

(3) Levels and Trends of Fertility in Pakistan

Fertility data available from various sources will be analyzed. (January, 1988 - December, 1989).

(4) Internal Migration and Urbanization in Pakistan

Based on available data patterns of inter-provincial migration and rural-urban migration will be studied. (January, 1988 - December, 1989).

(5) Population Projections for Pakistan and Provinces

Based on available national and provincial data, new population projections will be prepared for Pakistan and its provinces as well as districts, cities and towns. (June, 1988 - April, 1989).

(E) SURVEY, EXPERIMENTS AND INNOVATIVE STUDIES

The objective here is to collect accurate data through special surveys focussing on any particular dimension or dimensions of the population related phenomenon.

(1) National Demographic Survey of Pakistan

This is a multipurpose national probability sample survey, whose main objective is to measure demographic and other social sectoral changes through field enumeration of vital events and other related statistics. A host of demographic, socio-economic and health related statistics will be collected and analyzed at national, regional and sub-regional levels. Particular emphasis will, however, be given to the interrelationship of population with other socio-economic and developmental variables. (October, 1988 - December, 1991).

(F) PUBLICATION OF BIENNIAL POPULATION JOURNAL, INVENTORY OF POPULATION RESEARCH AND HOLDING OF INCOUNTRY AND INTERNATIONAL POPULATION SEMINARS

NIPS has already undertaken a few demographic and population related studies on Pakistan and these studies are being published in the form of research reports, working papers and books etc. More research output will be forthcoming from NIPS and it would be desirable to bring the results of these studies to the notice of planners, policy makers, researchers

and interested readers through various forms of publications, seminars, workshops and conferences.

(1) Publication of Biannual Population Journal

NIPS will bring out the first issue of its Pakistan Journal of Population Studies, ABADI in July, 1988; second issue in January, 1989; subsequent issues of the journal will be published twice a year in July and January. Scholarly works of NIPS's staff as well as of Pakistani and foreign experts will be published regularly in NIPS's Journal.

(2) Publication of the Inventory of Research Output

For purposes of bringing together all the research material published on the demography of Pakistan, NIPS has undertaken the task of compiling all research outputs on computer diskettes and in the form of a book. Brief review of all the research outputs will be presented alongwith the author's name and reference source. (January - June, 1988).

(3) Inventory of Information, Education and Communication (IEC) Materials

Family planning IEC materials produced in Pakistan during the last 20 years will be collected and indexed. (March - June, 1988)

(4) Population Data Sheet

Pakistan population data sheet will be prepared and distributed. (April - July, 1988).

(5) Incountry Seminars, Workshops, and Conferences on Pakistan's Population

NIPS will hold several incountry seminars, workshops and conferences in 1988 on various aspects of Pakistan's population in order to provide opportunity to professional staff of NIPS to share their research experiences and exchange ideas with other experts in the field. Quality research papers contributed to the seminars, workshops and conferences will be published.

- i. Seminar on Findings of Contraceptive Prevalence Survey (PCPS), 1984 (June, 1988).
- ii. South Asia Area, Regional Council Seminar on Population and Development (August, 1988).
- iii. Workshop on Population Growth RAPID - 5 Workshops (June, 1988) ↓

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- iv. Seminar on Population Growth (August, 1988)
 - v. Two Workshops on Uses of Demographic Data for Development Planning (July and December, 1988)
 - vi. Workshop on Data Collection and Presentation (June and November, 1988)
 - vii. Workshop on Uses of Micro-Computer (September, 1988)
 - viii. Conference on Family Planning (October, 1988)
 - ix. Workshop on Operation Research (May, 1988).

(G) TRAINING PROGRAMME OF NATIONAL INSTITUTE OF POPULATION STUDIES (NIPS)

Of the ⁴⁰ professional positions at various levels approved by the Government, only 24 positions have been filled so far. Moreover, there is a serious shortage of trained and qualified personnel to conduct demographic research in NIPS because the Institute is still in its infancy. In order to increase the research capacity of NIPS, short-term and long-term training programs have been developed and they are being implemented for both within the country and abroad.

(1) Incountry Training

- a. NIPS training program on Methods of Population Analysis - two sessions of 14 weeks each are planned for 1988. The objectives of the course are to develop an understanding of methods of population research and how these methods can be utilized for the analysis of demographic data in Pakistan. Training is intended for the junior researchers at the NIPS and other federal agencies. (March-July, 1988 and October, 1988 - February, 1989).
- b. Incountry Internship - two graduate degree students specializing in demography at the Karachi University and Agricultural University in Faisalabad will spend upto six months at NIPS undertaking their research training under the guidance of Resident Adviser and senior staff. (April - September, 1988).
- c. Incountry Training - selected NIPS staff may be sent to graduate departments at the Universities in Pakistan for a specialized short-term training as appropriate. (May and October, 1988).

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- d. On-the-Job Training - the Resident Adviser will provide on-the-job training for the junior researchers of the NIPS throughout project period.(November, 1987 - November, 1988).

(2) Training Abroad

- a. Long-term Training - five selected junior researchers working at NIPS will be sent for graduate training in demography at the universities in the United States. The objective of this program is to select the trainees with strong academic background and prepare them well prior to their formal training so that they can complete their requirements for a master's degree in one year or one year and three months. Five trainees will be sent abroad in August, 1988.
- b. Short-term Training - two research staff of the NIPS have been nominated to participate in Summer Seminar Program on Population at the East-West Population Institute in Hawaii. Two additional research staff are also being considered for 6 - 8 weeks of specialized training abroad this year.

(3) International Academic Participation

Four senior staff members are planning to participate in international conferences and seminars in September and December, 1988. Senior researchers are also planning to participate in workshops on demographic research methods in June and July, 1988.

In addition, the Chief Executive and the Director-General of the NIPS are planning a study tour to visit several national demographic research institutes in Asia and the population research centres in the United States to observe and discuss mutual areas of interests and also to develop centre linkages and research collaborations.

(H) MANAGEMENT OF POPULATION STUDY CENTRES AT THE UNIVERSITY OF KARACHI AND AGRICULTURAL UNIVERSITY, FAISALABAD

Population Study Centres have been established at the Universities of Karachi and Faisalabad. The objective of these centres is to provide teaching and research training in the field of population as well as various population related aspects of the economy. The centres will, however, undertake their own

training and research activities along the lines suggested by NIPS in their own work programs. NIPS will act, however, as the secretariat of these centres.

6. TENTATIVE GOALS AND PROPOSED ACTIVITIES, 1989

(1) Objectives

The objectives of the NIPS will continue to be the efforts of institution building to fulfil its role as the National Population Research Institute and to function as population and human resource development instrument of the Ministry of Planning and Development.

(2) Proposed Activities, 1989

a. Survey Activities

- i. Pakistan Contraceptive Prevalence Survey, 1988 - complete the survey report and undertake indepth analysis on selected topics.
- ii. Evaluation of Service Delivery Outlets and Family Welfare Centres (FWCs) - complete the survey report and write research papers.
- iii. Evaluation of Social Marketing of Contraceptive - complete the survey report.
- iv. Marketing Type Analysis - Demand Side Study - undertake the field survey, write the report and undertake indepth analysis on selected topics.
- v. Cost Effectiveness Study - conduct field survey and write the report.
- vi. Population and Development Survey - begin work in the national sample areas selected and collect the data on monthly basis throughout the year. Process and analyze the collected data and write a report on a quarterly basis.
- vii. Male or Husband Survey - plan and undertake a small scale survey and write a report.
- viii. Attitude of Homeopathic Doctors towards Family Planning - plan and conduct a small scale survey and write a report.
- ix. Family Planning Incentives Survey - design and conduct a small scale pilot study.

b. Other Research Activities

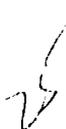
- i. State of Population in Pakistan, 1989.
- ii. Inventory of Research on the Population of Pakistan - update.
- iii. Population Data Sheet, 1989 - update.
- iv. Pakistan Journal of Population Studies - publish two issues.
- v. Fertility Data Analysis - continue.
- vi. Mortality Data Analysis - continue.
- vii. Migration and Urbanization - continue.
- viii. Labour Force and Manpower - Labour Force Projections.
- ix. "Projections of Households and Housing Demand.
- x. Projections for Food and Nutrition Requirement.

c. Seminars, Workshops and Conferences

- i. Workshops on Population Growth - RAPID
- ii. Seminar on the Findings of Pakistan Contraceptive Prevalence Survey, 1988.
- iii. Seminar on Population Growth.
- iv. Workshops on uses of Demographic Data for Development Planning.
- v. Workshop on Data Collection and Presentation.
- vi. Workshop on Uses of Micro - Computer.
- vii. Conference on Family Planning.

d. Training

In-country:

- i. NIPS - Methods of Population Analysis - continue.
 - ii. In-country Internship at NIPS.
 - iii. In-country training of NIPS staff.
 - iv. NIPS monthly seminars.
- 

Training Abroad:

- i. Short-term - 2 persons for two months each.
 - ii. Long-term - five trainees sent abroad in August, 1988, will complete the M.S. level training and return. Five new trainees will be sent abroad for 1 year M.S level training.
- e. International Academic Participation
- i. International Seminars - two senior staff.
 - ii. International Workshops -two senior staff.
 - iii. Study Tour - two senior staff.
- f. Collaboration with Other Institutions
- Continue to collaborate with other institutions at home and abroad in research, training and information exchange.

OFFICIALS MET AND ORGANIZATIONS VISITED

1. National Institute of Population Studies

Dr. M. S. Jillani, Chief Executive (Until -
January 14, 1988)
Dr. Abdul Razzaque Rukanuddin, Director General
(Officer In Charge since January 14, 1988)
Dr. Mahmood Sotodeh-Zand, UNICEF Consultant
Mr. Mohammad Naseem Iqbal Farooqui, Senior Fellow
Dr. Riaz Hassan, Senior Visiting Fellow
Dr. Farhat Yusuf, Senior Visiting Fellow
Mr. Syed A. Kazmi, Consultant
Mr. M. Allaudin, Consultant
and other staff

2. US-AID

Mr. Eugene S. Staples, Director
Mr. Raymond S. Martin, Chief of Health,
Population and Nutrition
Dr. Heather Goldman, Health Adviser
Mr. Dalles Voran, Population Officer
Ms. Enid Spielman, NGO Coordinator.
Dr. Rifaq A. Ismail, Public Health Physici
Mr. Abdul Wasey, Programme Specialist
Ma. Tara Upreti Field Training Adviser
Mr. Peter Davis, Chief, Office of Contracts and
Commodities
Mr. Robert Nachtrieb, Chief, Office of Project
Mr. Leland Hunsaker, Executive Officer
Mr. Michael Curtis, Deputy Executive Officer
Mr. S. A. Razaque, General Service Officer
and other staff

3. Population Welfare Division

Mr. Masud Nabi Noor, Secretary
Mr. Naveed A. Qureshi, Joint Secretary Planning
Mr. Khalil A. Saddiqui, Director General
Monitoring and Statistics
Mr. Khan Ahmad Goraya, Director General Programme
Dr. (Mrs) Safia Amin, Director General Technical
Dr. Sajida Samad, Director Planning

4. Planning and Development Division

Mrs. Aneesa Farooqui, Joint Chief Economist,
Fiscal and Monitoring Section.

Dr. Meekal Aziz Ahmed, Chief, IE & R. Section

Mr. Tariq Abbas, Deputy Chief, IE & R. Section

Miss. Tasneem Q. Mian, Chief Population and
Social Welfare Section.

Mr. Inamullah Khan, Deputy Financial Adviser
Planning

5. Statistics Division

Mr. M. Ishaque, Director General Federal Bureau
of Statistics

Mr. M.B. Malick, Director. Demographic Statistics

Mr. Ghulam Mujtaba Mirza, Census Commissioner

Mr. Mahmohd Jaleel, Chief Statistical Officer

6. National Research Institute of Fertility Control, Karachi

Dr. Talat Khan, Director General

Dr. Afrose Qazi, Director of Research

Mr. Mohammad Saeed Qureshi, Deputy Director,
Statistics and Demography

7. Pakistan Institute of Development Economics

Dr. Syed Nawab Haider Naqvi, Director

Dr. Zeba A. Sathar, Senior Demographer

Mr. Mohammad Afzal, Chief, Demography

8. Family Planning Association of Pakistan, Lahore

Mrs. Surriya Jabeen, Director General,
Family Planning Association of Pakistan

Mrs. Iffat Chaudhry, Senior Director,
Research and Evaluation.

Mr. Mohammad Riaz, Director, Research and Evaluation

9. Non-Governmental Organizations Coordinating Council

Dr. Zeba Zubair, Chairman

Mr. Barkat Rizvi, Chief Executive

10. University of Karachi

Dr. Arif Gayyur, Professor and Director,
Population Studies Centre

Dr. Masood-ul-Haq, Professor and Chairman
Statistics Department.

Professor Zahid Mahmood, Statistics Department
and other staff

11. UNDP and UNFPA

Mr. Bernado Vunibobo, Resident Representative

Mr. Ugur Tuncer, UNFPA Deputy Representative
and Senior Adviser

Mr. Kyum J. Lee, UNFPA Programme Adviser

Mr. Julian Lambart, Nutrition Adviser, UNICEF
and other staff

12. Others

Miss. Shaheen Atiqur Rehman, Chairperson 7th
five year plan-women

Mr. Frank Samaraweera, Resident Adviser Social
Marketing of Contraceptive Project and Chief of
Party, Population Sciences International

Dr. Mehtab S. Karim Associate Professor,
Community Health Sciences, the Aga Khan
University, Karachi

Mr. M. A. Kareem Iqbal, Regional Management
Adviser International Council on Management
of Population Programmes

Dr. Asghar Ali Cheema, Assistant Professor
Population Studies Centre, Agricultural
University, Faisalabad

In addition visited several local representatives of micro
computer distributors

**Training
In
Methods of Demographic Analysis
National Institute of Population Studies
Islamabad, Pakistan
Designed and Organized
by
Dr. Yun Kim, Resident Adviser**

**Part I. Dates : March-10 June-6, 1988 Mondays and Thursdays
Time : 3.30 - 5.00 p.m.
Place : Training Room, NIPS.**

Course Outline

I. Purpose and for whom Intended:

To develop an understanding of methods of population research and how these methods can be utilized for the analysis of demographic data in Pakistan. Training is intended for the junior researchers at the National Institute of Population Studies.

II. Plan for conducting the course:

Methods of research used in population studies will be examined. Lecture and discussion will be supplemented by laboratory assignments and research projects which students will undertake. Students are expected to write a research paper focusing on a particular aspect of the population of Pakistan.

III. Textbooks:

1. Barclay, George W., Techniques of Population Analysis, John Wiley and Sons, Inc., New York, 1966.
2. Shryock, Henry S., Jacob S. Siegel and Associates, The Methods and Materials of Demography, Vol. I & II, U.S. Bureau of the Census, (U.S. Government Printing Office), Washington, D.C., May, 1975, or condensed edition of the two volumes by Edward G. Stockwall, Academic Press, 1976.

IV. Content of Course:

1. The Nature of Demography
2. Basic Source of Demographic Data
3. Evaluating and Correcting the Statistical Data
4. Statistical Methods for the Standardization of Populations
5. Measurement of Population Growth
6. The Study of Mortality
7. The Life Table
8. Measurement of Fertility
9. Nuptiality
10. Migration and Population Distribution
11. Manpower and Working Population
12. School Population
13. Methods of Population Estimates
14. Methods of Population Projections

V. Suggested Readings:

Books:

1. Brass, William, Methods for Estimating Fertility and Mortality from Limited and Defective Data, The University of North Carolina at Chapel, N.C.
2. Coale, Ansley J. and Hoover, Edgar M., Population Growth and Economic Development in Low Income Countries, Princeton University Press, Princeton, N.J., 1951.
3. Cox, Peter. R., Demography, Cambridge University Press, 1970.
4. Davis, Kingsley, The Population of India and Pakistan, Princeton University Press, Princeton, N.J. 1951.
5. Kim, Yun, Net Internal Migration in the Philippines, 1960-70. Bureau of the Census and Statistics, Manila, Philippines, 1972.
6. Kim, Yun, in Collaboration with Michael MasFarlane and Katsauki Oki, Population Projections by Age and Sex for Utah Countries: 1970-2000, Volumes I & II, Utah Agricultural Experiment Station Research Report 28, 1976.
7. National Academy of Sciences, "Rapid Population Growth - Consequences and Policy Implications, Vol. II Research Papers, National Academy of Sciences, Johns Hopkins University Press, Baltimore, 1972.
8. Peterson, William, Population, The Macmillan Company, New York, 1961.
9. Pressat, Rolan, "Demographic Analysis, Aldine. Atherton, New York, 1969.

10. Thomlinson, Ralph, Population Dynamics, Random House, New York, 1965.
11. Thompson, Warren S. and Lewis, David T., Population Problems, McGraw-Hill Book Company, New York, 1960.
12. United Nations, Methods for Population Projections by Sex and Age. Manual III, United Nations, 1956.
13. United Nations/UNESCO, Estimating School Enrollment in Development Countries, A manual of methodology. ST/SOA/Series A/40, 1966.
14. United Nations, The Determinants and Consequences of Population Trends, United Nations, New York, N.Y., 1975.
15. United Nations, Population Distribution Policies in Development Planning, Department of International Economic and Social Affairs, Population Studies, No. 75, New York, 1981.
16. United Nations/ESCAP, Nation Migration Survey Manuals, Guidelines for Analysis. New York, 1982.
17. United Nations, Indirect Techniques For Demographic Estimation, Manual X, Department of International Economic and Social Affairs, Population Studies No. 81, New York, 1983.
18. United Nations, World Population Prospects, New York, N.Y. 1985.
19. United Nations, Methods of Estimating Basic Demographic Measures from Incomplete Data, Manual IV, Department of International Economic and Social Affairs, ST/SQA/Series A/42, Sales No. 67. xiii.21 New York.
20. United Nations, Methods of Measuring Internal Migration, Manual VI, Department of International Economic and Social Affairs, ST/SQA/Series A/47, New York.

VI. Periodicals:

1. Population Index, Office of Population Research, Princeton University and Population Association of America, Inc.
2. Demography, Population Association of America, Inc.
3. Population Studies, Population Investigation Committee, London.
4. Population and Development Review, the Population Council, New York.

5. Population Bulletin, Population Reference Bureau, Washington, D.C.
6. Population Bulletin, United Nations.
7. Studies In Methods (Series) United Nations.

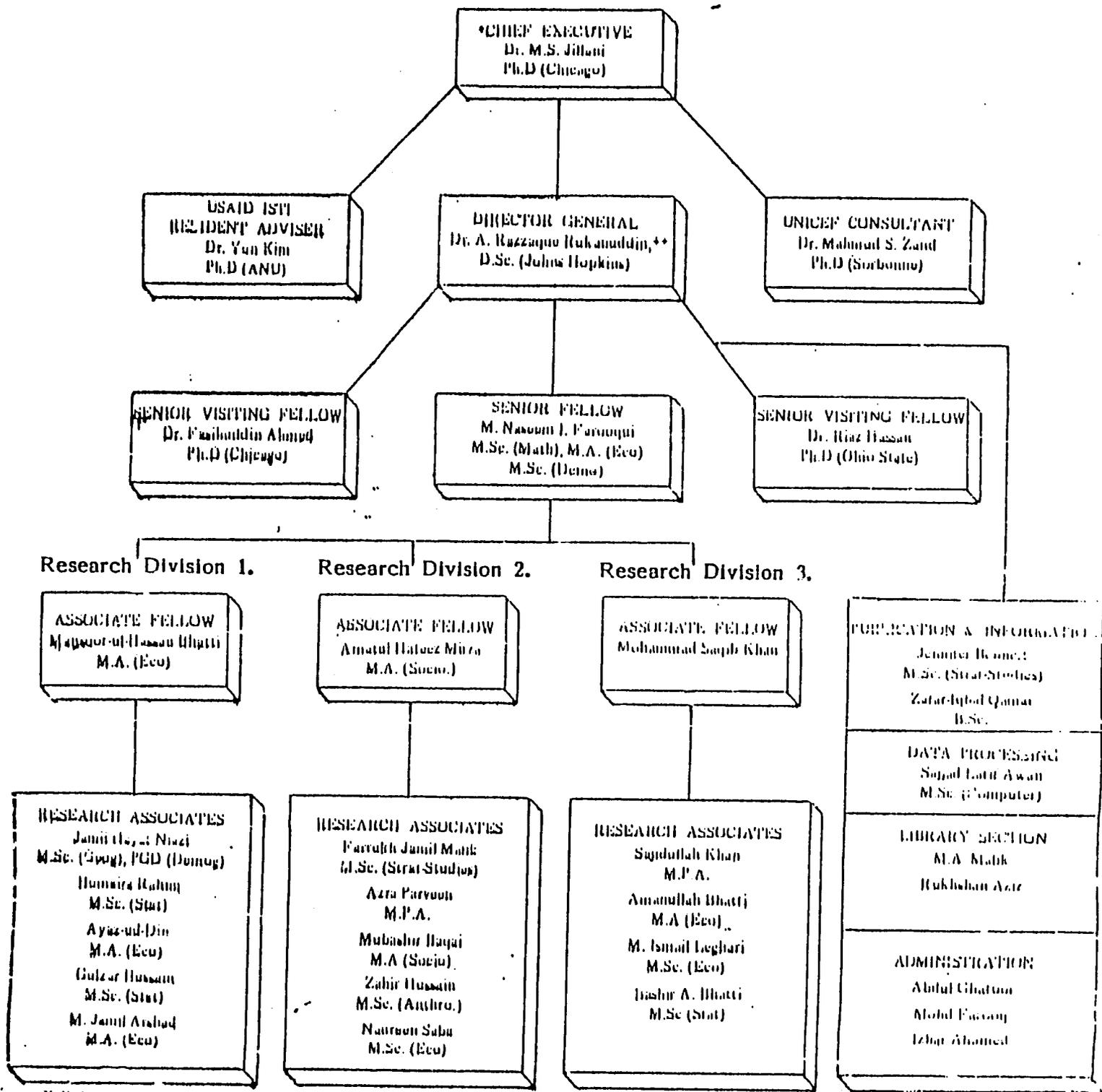
VII. Statistical Source:

1. United Nations, Demographic Yearbook (various years)
2. United Nations, Statistical Yearbook (various years)
3. Census Reports and Statistical Reports of Various Countries

WEEKLY SCHEDULE

<u>Date</u>	<u>Topic</u>	<u>Instructor</u>
Thursday, March 10	The Nature of Demography	Y. Kim
Monday, March 14	The Nature of Demography	Y. Kim
Thursday, March 17	Population and Society	R. Hassan
Monday, March 21	Basic Sources of Data	M. Zand
Thursday, March 24	Basic Sources of Data	N. Farooqui
Monday, March 28	Evaluating and Correcting the Data	Y. Kim
Thursday, March 31	Evaluating and Correcting the Data	N. Farooqui
Monday, April 4	The Study of Mortality	R. Hassan
Thursday, April 7	Measures of Fertility	R. Rukanuddin
Monday, April 11	Measures of Fertility	Y. Kim
Thursday, April 14	Measurements of Population Growth	Y. Kim
Monday, April 18	The Life Table	Y. Kim
Thursday, April 21	The Life Table	Y. Kim
Monday, April 25	The Life Table	Y. Kim
Thursday, April 28	Mid-term Exam.	Y. Kim
Monday, May 2	Statistical Methods for Standardizations,	N. Farooqui
Thursday, May 5	Nuptiality	R. Rukanuddin
Monday, May 9	Migration and Population Redistribution.	Y. Kim
Thursday, May 12	Migration and Population Redistribution.	Y. Kim
Monday, May 16	Manpower and Working Population	M. Zand
Monday, May 23	School Population	M. Zand
Thursday, May 26	Methods of Population Estimates	N. Farooqui
Monday, May 30	Methods of Population Projections	Y. Kim
Thursday, Jun 2	Methods of Population Projections	Y. Kim
Monday, Jun 6	Final Exam.	Y. Kim

Functional and Organizational Chart, NIPS 1988



Research Functions 1.
 1. Population and Development (Including socio-economic and demographic interrelationship).
 Population Projections and Estimates.
 Labour Force and Manpower.
 Survey Research
 Methodology and Evaluation.

Research Functions 2.
 2. Nuptiality and Fertility.
 Mortality.
 Migration and Urbanization.
 Women and Development.

Research Functions 3.
 3. Training, Seminar, Workshop and Conference.
 Field Operations.

*Transferred to Secretary to the Government, O & M Division Cabinet Secretariat, since January, 1988.
 **Director General Office Incharge from January, 1988.

APPENDIX IV
NATIONAL INSTITUTE OF POPULATION STUDIES

Activity Flow Chart, 1988 and 1989

ACTIVITY	1988												1989											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DI
A. SURVEY ACTIVITIES																								
1. Evaluation of Population and Family Welfare Education for Workers Proj.-NIPS-ILO Survey	—————																							
2. Evaluation of Population Welfare Programme covered by NGOs	—————																							
3. Pakistan Contraceptive Prevalence Survey, 1988						—————*																		
4. Evaluation of Service Delivery Outlets and Family Welfare Centres (FWC)												@	—————											
5. Evaluation of Reproductive Health Centres (RHC)												@	—————											
6. Evaluation of Social Marketing of Contraceptives													—————											
7. Marketing Type Analysis - Demand Side Study													—————											
8. Cost Effectiveness Study													—————											
9. Population & Development Survey													—————*											
10. Non-User of Contraceptive Survey					@	—————																		
11. Male or Husband Survey													—————											
12. Evaluation of Information, Education and Communication					@	@	—————																	
13. Attitude of Homoeopathic Doctors towards Family Planning													—————											
14. Inventory of Information, Education & Communication Materials			@	—————																				
15. Family Planning Incentives Survey													—————											
16. Management Audit Development Study					@	—————																		

* Short-term Technical Consultancy Services-IST
@ Other short-term Technical Consultancy Services

Activity Flow Chart, 1988 and 1989

ACTIVITY	1988												1989											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
B. OTHER RESEARCH ACTIVITIES																								
1. The State of Population in Pakistan, 1987	█																							
2. The Economic Value of Children	█																							
3. The Situation Analysis of Children in Pakistan	█																							
4. Evaluation of Outreach Components of FWCs - A Pilot Study										█	█	█	█	█	█	█	█	█	█	█	█	█	█	
5. Inventory of Research on the Population of Pakistan	█												█	█	█	█	█	█	█	█	█	█	█	
6. State of Population, 1988 (Education)							█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
7. State of Population, 1989 (Health)																				█	█	█	█	
8. Population Data Sheet				█	█	█	█	█	█	█	█	█								█	█	█	█	
9. Population Journals			█	█	█	█	█	█	█	█	█	█								█	█	█	█	
10. Population Projections (Provinces, Districts, Cities and Towns)						█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
11. Fertility Data Analysis	█																							
12. Mortality Data Analysis	█																							
13. Migration and Urbanization	█																							
14. Labour Force and Manpower							█	█	█	█	█	█												
15. Housing													█	█	█	█	█	█	█	█	█	█	█	
16. Education					█	█	█	█	█	█	█	█												
17. Food and Nutrition																								

* Short-term Technical Consultancy Services
 Other short-term Technical Consultancy Services

Activity Flow Chart, 1988 and 1989

ACTIVITY	1988												1989									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
C. SEMINARS, WORKSHOPS AND CONFERENCES																						
1. Findings of Pakistan Contraceptive Prevalence Survey (PCPS), 1984 and 1988.			@	@	@																	
2. SAARC - Seminar on Population and Development																						
3. Workshop on Population Growth - RAPID - 5 Workshops						@																
4. Seminar on Population Growth																						
5. Uses of Demographic Data for Development Planning - 5 Workshops																						
6. Workshop on Data Collection and Presentation																						
7. Workshop on Uses of Micro-Computer																						
8. Conference on Family Planning																						
9. URC Workshop on Operation Research																						

*Short-term Technical Consultancy Service
 @Other short-term Technical Consultancy

Activity Flow Chart, 1988 and 1989

ACTIVITY	1988												1989									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
D. TRAINING																						
a. <u>In-country</u>																						
1. NIPS - Methods of Population Analysis			=====	=====	=====	=====				=====	=====	=====										
2. In-Country Internship				=====	=====	=====	=====	=====	=====							=====	=====	=====	=====	=====	=====	
3. In-Country Training					=====	=====				=====	=====				=====	=====					=====	=====
4. Seminars - NIPS (Monthly)				=====	=====	=====	=====	=====	=====	=====	=====	=====			=====	=====	=====	=====	=====	=====	=====	=====
b. <u>Training Abroad</u>																						
1. Short-term						=====	=====	=====										=====	=====	=====	=====	
2. Long-term									=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
E. INTERNATIONAL ACADEMIC PARTICIPATIONS																						
1. Seminars									=====		=====											=====
2. Workshops						=====	=====											=====	=====	=====	=====	
3. Study Tours									=====	=====	=====				=====	=====	=====	=====	=====	=====	=====	
+																						
F. COLLABORATION WITH OTHER INSTITUTIONS																						
1. In-country	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
2. Abroad																						