



Minnesota Population Center
University of Minnesota

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CENSO DE POBLACION Y VIVIENDA

UW1973.20
COLUMBIA

PROPUESTA DISTRIBUCION APOORTE NACIONES UNIDAS

I. COSTO ACTIVIDADES FALTANTES :

- I.1 Crítica y Codificación de la totalidad de los formularios censales \$ 16'000.000
- I.2 Procesamiento (Comprende perforación, verificación, corrección inconsistencias y producción de tabulados, inclusive información Territorios Nacionales (\$ 12'740.000
- I.3 Publicación a diferentes niveles de Agregación tanto de Población como de Vivienda \$ 3'260.000
- I.4 Total \$ 32'000.000.

NOTA : Estos valores corresponden a mayo de 1975 por lo cual - debe ajustarse un 15% por efectos de inflación.

II. APORTE O. N. U. - 1973 - 1974 :

El aporte ha sido de US. \$ 539.833 incluido el valor de Asistencia Técnica. Además para las etapas de procesamiento de recibió aporte en especie constituido por 22 millones de Tarjetas para computador, 300 cintas magnéticas para grabación y 4 unidades de discos (Dispaks).

III. EXPERTOS :

El Departamento también ha contado con expertos, para asesorías en los diferentes temas del Censo.

IV. APORTE ADICIONAL 1976 =

El valor de US. \$ 125.706 destinado a equipo no fungible. Se solicita sea autorizado en máquinas de Procesamiento de Datos consistente en equipo periférico de computación (Unidades video display workstation, Unidades de cinta, Cartridge, Mesas para las Unidades video display).

V. PLAN OPERACIONAL ACTIVIDADES :

Se adjunta gráfico descriptivo de Gantt sobre programación actividades - por realizar financiadas parcialmente por ONU- UNFPA.

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EQUIPO NO FUNCIBLE PROPUESTO

- I. Trece (13) unidades Video Display Workstation - Modelo 1501 - precio unitario aproximado de US.\$ 7.480 para un valor de US.\$ 97.240.
 - II. Dos (2) unidades de cinta Modelo 1514, y 1.600 B.P.I. de nueve pistas - Precio Unitario US.\$ 11.330 - Valor Total US.\$ 22.660.
 - III. Trece (13) mesas para las unidades Video Display y dos (2) para las unidades de Cinta a US.\$ 135, para un valor total de US.\$ 2.025.
 - IV. Cuatrocientos (400) cartuchos de 190 pies (Cartridge ten-pack) a -- US.\$ 2.70, para un valor de US.\$ 1.080.
 - V. Fletes, Seguros, Transporte US.\$ 2.701- valor total aporte US.\$ 125.706.
-

| Responsable | ACTIVIDAD | 197 | | | | | | | | | | | |
|-------------|----------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | AÑO | | | | | | | | | | | |
| | | MES | | | | | | | | | | | |
| | | DIA | | | | | | | | | | | |
| | | ENERO | FEBRERO | MARZO | ABRIL | MAYO | JUNIO | JULIO | AGOSTO | SEPT/BRE | OCTUBRE | NOVIEMBRE | DIC |
| | | 5 10 15 20 25 30 | 5 10 15 20 25 30 | 5 10 15 20 25 30 | 5 10 15 20 25 30 | 5 10 15 20 25 30 | 5 10 15 20 25 30 | 5 10 15 20 25 30 | 5 10 15 20 25 30 | 5 10 15 20 25 30 | 5 10 15 20 25 30 | 5 10 15 20 25 30 | 5 10 15 20 25 30 |
| | ORGANIZACION DE LA OPERACION. | | | | | | | | | | | | |
| | PREPARACION DE MATERIALES | | | | | | | | | | | | |
| | MONTAJE ORGANIZATIVO. | | | | | | | | | | | | |
| | CRITICA Y CODIFICACION. | | | | | | | | | | | | |
| | PERFORACION POR PRIORIDADES (60% DEL CENSO-90 PRIMEROS MPIOS). | | | | | | | | | | | | |
| | PERFORACION DEL 40% RESTANTE. | | | | | | | | | | | | |
| | GRABACION EN CINTAS 60% | | | | | | | | | | | | |
| | GRABACION DEL 40% RESTANTE | | | | | | | | | | | | |
| | PROCESAMIENTO MECANICO | | | | | | | | | | | | |
| | PRODUCCION DE TABULADOS. | | | | | | | | | | | | |
| | CENSO DE T.T.NN. | | | | | | | | | | | | |
| | PRE-CRITICA, NUMERACION, LOTEQ. | | | | | | | | | | | | |
| | CRITICA Y CODIFICACION | | | | | | | | | | | | |
| | PERFORACION - VERIFICACION | | | | | | | | | | | | |
| | GRABACION EN CINTAS. | | | | | | | | | | | | |
| | PROCESAMIENTO MECANICO. | | | | | | | | | | | | |
| | PRODUCCION DE TABULADOS. | | | | | | | | | | | | |
| | PUBLICACION | | | | | | | | | | | | |
| | PREPARACION Y ANALISIS. | | | | | | | | | | | | |
| | EDICION. | | | | | | | | | | | | |

[illegible]

1) ~~H. H. H.~~
DRAFTED BY: Mr. L. G. Kerényi/rf

Areas:

Mr. Caballero
Mrs. C. Korn
Mr. S. Goldberg
Mr. S. Gold

17 September 1973

Mr. Rafael M. Salas, Executive Director
United Nations Fund for Population Activities

SO 322 0013
SO 314 (2-1)
TE 122/2 COM
(32-5)

Bahgat A. El-Tawil, Acting Director
Office of Technical Co-operation

COLOMBIA - Population and Housing Census, 1973 (Project COL/72/104)
Request for supplementary assistance.

1. In CTO's memorandum of 13 October 1972 to UNFPA, conveying our support of the Government's request for the taking of a Population and Housing Census in 1973, we indicated that certain elements of the request, not covered in our memorandum, would require further investigation for their appraisal.

2. As you know from Mr. Escobar's letter of 2 August 1973 addressed to you, Mr. Edison Wilmer, the Technical Adviser for the project in the UN Statistical Office, has recently completed a mission to the project, with a view, among other things, to obtaining justification of those latter aspects of the Government's request.

3. All the UN offices concerned support the Government's supplementary request as formulated in the attachment to Mr. Wilmer's report. The combined effect in 1973 of the additional request and of the reductions in the approved expert component is an increase in the assistance required in 1973 by \$172,704. Furthermore, supplementary funds in an amount of \$172,990 are requested for 1974.

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4. A revised project document, as well as a copy of the relevant annex of Mr. Wilmer's report setting out the request in detail, is attached.

5. I should greatly appreciate, therefore, your approval of \$172,704 for 1973 and earmarking of \$172,990 for 1974.

6. In view of the fact that the census enumeration date has been set at 24 October 1973, an early decision on this request would be greatly appreciated.

cc.: Mr. El-Tawil
Mr. Tabah/Mr. Simon
Mr. Pérez/Mr. Col
Mrs. Korn/Mr. Kerényi
Mr. Seidler/Mr. Sebarteh
Mr. Goodkind/Mr. Gold
Mr. Goldner/Mr. Robinson
Mr. Barin

Mr. Schutzemberger
Miss Ninas
Mrs. Michael
Chen

REQUEST TO THE UNITED NATIONS FUND FOR

POPULATION ACTIVITIES

PROJECT REVISION

Project Number: COL/72/P04/B/33/01

Country:

COLOMBIA

Project Title:

Population and Housing Census 1973

UNFPA Work-Plan

Categories:

10. Population Census

Requested by:

Departamento Administrativo
Nacional de Estadística

Executing Agency:

United Nations

Amended Project

Duration:

Fourteen months

Starting Date:

1 January 1973

Additional UNFPA
contribution:

\$172,704 in 1973
\$172,990 in 1974

Revised total UNFPA
contribution:

\$345,694
367,129
\$712,823

I. BACKGROUND AND SUPPORTING INFORMATION

A. Justification of the Project

The official request for assistance for the Population and Housing Census was submitted to UNFPA by the National Planning Department through the Resident Representative on 26 September 1972. From the total funds requested, we recommended an early approval of a preliminary assistance in the amount of US\$ 367,129 in order to avoid delays in the census organization which had already started. These funds were allocated by UNFPA on 1 December 1972 pending further study of the total proposal.

Since information was needed on the present status of the project and the final appraisal of the remaining portion of it, Mr. Edison Wibner of the UN Statistical Office, undertook a mission to Colombia from 26 July to 1 August 1973. The mission had as its major objectives: to appraise the status of activities regarding the 1973 population and housing census, to obtain the detailed specifications of items urgently required by the counterpart authority, DANE, to be charged against the initially approved budget project, US\$ 367,129; and to obtain justification required by the UNFPA and the United Nations to consider additional financial support for the census, as originally requested by the Government. The above noted objectives have been fully achieved and provide the necessary data on:

1. Status of the Census Operation

At the time of Mr. Wibner's visit, the different pre-census operations were in process according to the census calendar established. The following important census activities were in full development:

- (a) Final organization of the pre-census held during the period 22-24 August (dispatch of enumeration material; instructions to technical assistance and special delegates, etc.);

- (b) Revision of the cartographic material and completion of the sectorization of urban sectors;
- (c) Instruction courses for personnel to be engaged in the general training programme;
- (d) Final revision of the schedule and other census enumeration material.

Consequently, the census programme is proceeding according to plan and barring any unforeseen circumstances, the census enumeration will be carried out without difficulties.

2. Technical Points that Require Action, on which the Technical Adviser made the Following Recommendations:

- (a) To make certain additions to the census schedule which would favour the control of enumeration and which would facilitate processing operations (ordering, editing, coding and punching).

It should be pointed out that the census schedule is practically definite bearing in mind, for its final form, results obtained from experimental census.

- (b) To make immediately the revision of the plan of tabulations.
- (c) To draw up a plan for the processing of data (ordering, editing, coding and punching of the census material).
- (d) To establish a filing plan for census forms which will permit the continuation, in an orderly manner, of census operations.
- (e) To make as soon as possible a sample preliminary publication of the information to be collected in the Population and Housing Census.
- (f) To request immediately through the Resident Representative in Colombia the services of the following regional experts:

- (i) Regional Adviser in Computer Methods at ECLA, to advise in the use of the language CENTS and in the final preparation of the Tabulation Programme.

- (ii) Regional Adviser in Sampling at ECLA, to advise and assist in the preparation of a plan for the elaboration of preliminary information to be collected for the 1973 census.

B. Institutional Framework

The preparation and enumeration will be carried out by (DAHE) National Administrative Department which counts with the necessary technical personnel, transportation and administrative services and is well prepared to undertake the activities of this project.

C. Provisions for Government Follow-Up

It is envisaged that the census results beside achieving the tasks directly related to developing planning, will be followed up by research studies needed for improving demographic statistics.

D. Other Related Activities

None.

E. Other UNFPA Assistance

It is envisaged that due attention would be given to post-census activities, specially to demographic analysis of the data collected from the census, for which financial assistance could be requested from UNFPA in the near future.

II. OBJECTIVES OF THE PROJECT

The main objectives of the project are:

- To provide the necessary demographic information on such aspects as labour and social situation on the inhabitants of Colombia in the fields of population and housing;
- To correct the present population projection models; and
- To improve the framing of the sample to integrate it into the future National Statistical System.

III. WORK PLAN

| <u>Project Activities</u> | <u>Location</u> | <u>Starting Date and Duration</u> |
|----------------------------|----------------------|-----------------------------------|
| Recruitment of Enumerators | Whole country | 13-X-73 to 23-X-73 |
| Training of Enumerators | | 15-X-73 to 19-X-73 |
| Census Enumeration | Urban areas | 24-X-73 |
| | Rural areas | 25-X-73 |
| | | 10-X-73 |
| | National Territories | 10-XI-73 |
| | | 1-1-74 |

DESCRIPTION OF UNFPA INPUTS

Assignment of international staff:

Since most of the work included in the job description of the expert in census organization (12 months) has been accomplished, the services of this expert will be reduced to a period of six months. He should basically assist and advise in the preparation of the Tabulation Plan, Data Processing Operation (ordering, editing, coding, etc.), publication of advance tabulation, etc.

The service of the expert in sampling are no longer required. On the other hand, the Government of Colombia will request the services of the Regional Adviser in Sampling at ECLA in order to help in the preparation of a plan for a publication of a sample of the Colombian Population and Housing Census.

In order to facilitate the study of the request for financial assistance in providing equipment and materials for the project, a detailed budget is attached as Annex II. Annex II (a) also attached gives detailed information on items requested in order to permit easier implementation.

IV. PROJECT BUDGET

| COMPONENTS | 1973 | | | | | | 1974 | |
|--------------------------------------------|----------|---------|------------|-----------|---------|---------|------|---------|
| | Approved | | Additional | | Revised | | | |
| | n/a | dollars | n/a | dollars | n/a | dollars | n/a | dollars |
| 10. <u>Project Personnel Component</u> | | | | | | | | |
| 11 <u>Experts</u> | | | | | | | | |
| 11-01 Census Organization | 12- | 30,000 | (-6) | (-15,000) | 4 | 10,000 | | |
| 11-02 Sampling | 12 | 30,000 | (-12) | (-30,000) | -- | -- | 2 | 5,000 |
| 11-99 Sub-total | 24 | 60,000 | (-18) | (-45,000) | 4 | 10,000 | -- | -- |
| 16. <u>Incentive Payments</u> | | | | | | | 2 | 5,000 |
| 16-91 Regional Officers | -- | 6,112 | -- | -- | -- | 6,112 | | |
| 16-92 Field Workers | -- | 140,397 | -- | -- | -- | 140,397 | -- | -- |
| 16-93 Public Information Officer | -- | 2,523 | -- | -- | -- | 2,523 | -- | -- |
| 16-94 Training and Mobilization Personnel | -- | -- | -- | -- | -- | -- | -- | -- |
| 16-99 Sub-total | -- | 149,032 | -- | 143,676 | -- | 143,676 | -- | -- |
| 19. Component Total | -- | 109,032 | -- | 98,676 | -- | 298,703 | -- | -- |
| 40. <u>Equipment Component</u> | | | | | | | -- | 5,000 |
| 41 <u>Expendable Equipment</u> | | | | | | | | |
| 41-95 | -- | 158,097 | -- | 36,647 | -- | 194,744 | -- | 163,350 |
| 42 <u>Non-expendable Equipment</u> | -- | -- | -- | -- | -- | -- | -- | 4,640 |
| 49. Component Total | -- | 158,097 | -- | 36,647 | -- | 194,744 | -- | 172,990 |
| 50. <u>Miscellaneous</u> | | | | | | | | |
| 53 Transportation and storage of materials | -- | -- | -- | 37,381 | -- | 37,381 | -- | -- |
| 59. Component Total | -- | -- | -- | 37,381 | -- | 37,381 | -- | -- |
| 59. <u>GRAND TOTAL</u> | -- | 387,129 | -- | 172,704 | -- | 534,833 | -- | 171,980 |

REPORT OF HOBSON N. WINNER ON A MISSION TO COLOMBIA

26 July - 1 August 1973

I. OBJECTIVES OF THE MISSION

1. The mission had as its objectives:

- a) To appraise the status of activities regarding the 1973 Population and Housing census;
- b) To determine the final decision to be taken with respect to the two expert posts already approved for this project;
- c) To indicate the procedures and appropriate time for the implementation of funds already approved for this country by UNEPA, and;
- d) To obtain further information regarding the rest of the request whose approval is still pending.

II. OFFICES VISITED

a) United Nations Development Programme (UNDP)

On my visit to this office on 26 July I was received by Mr. Enrique C. Ezcurra (Resident Representative a.i.), Mr. Andrés Infante (Programme Officer) and Mr. Benjamin Gurman (Assistant Resident Representative) with whom I discussed several matters related to the request from Colombia to UNEPA and the precise objectives of my mission. They proceeded immediately to make the necessary arrangements for my visit to (DAWE) "Departamento Administrativo Nacional de Estadística".

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The basic subjects discussed which required attention and future actions are as follows:

(1) Population and Housing Census Activities:

Census date: 24 October 1973
Legal basis for census: Decree No. 2 issued 1 February 1962
Geographic coverage: Total country (100% enumeration)
Population investigated: Total population
Enumeration point of time: "0" hour, 24 October 1973

Geographic Organization of Census Enumeration

| <u>Level of geographic areas (in descending order)</u> | <u>No. of Units</u> |
|--------------------------------------------------------|---------------------|
| a) Departments..... | 22 |
| b) Municipalities..... | 901 |
| c) "Intendencia" and "Comisaria" | 2 |
| d) Sectors and Sections | 26.000 |
| e) Blocks | 120.000 |

Average Population of Enumeration Areas

- (Urban) - 60
 - (Rural) - Not yet established

Census Enumeration Personnel

| <u>Organization of Enumeration</u> | | <u>Enumeration</u> | |
|------------------------------------|---|--------------------|---------|
| Technical Assistant | 6 | Urban enumerators | 275.520 |
| Delegates (Departments) | 6 | Rural enumerators | 14.000 |

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Cont'd Census Enumeration Personnel

Organization of Enumeration

| | |
|-------------------------------|--------------|
| Delegates (Specials) | 4 |
| Delegates (Statistical Zones) | 80 |
| Delegates (Urban Zones) | 12 |
| Delegates (Municipalities) | 903 |
| Delegates (Urban Sectors) | 209 |
| <u>Total</u> | <u>1.220</u> |

Enumeration

| | |
|--------------------------------|----------------|
| Blocks supervisors | 55.827 |
| Sector and Section Supervisors | 5.610 |
| Instructors (Departments) | 75 |
| Instructors (Municipalities) | 7.181 |
| Chief Rural Sectors | 2.800 |
| <u>Total</u> | <u>361.013</u> |

Cartographic Material Available

| | |
|-------------------------------|---------|
| Municipalities | 901 |
| "Intendencia" and "Comisaria" | 2 |
| Sector and Section | 26.000 |
| Blocks | 120.000 |
| Urban localities | 1.130 |

Scale

1.5000; 1.2000
1.5000; 1.2000

Enumeration Areas

Urban - 275.000
Rural - 14.000

Sources used in the preparation of cartographic material

Maps, sketches and aerial photography from IGAC (Geographic Institute Agustín Codazzi).

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Cont'd Population and Housing Census Activities

Census Publicity

| <u>Media Used</u> | <u>Urban Areas</u> | <u>Rural Areas</u> |
|-------------------|--------------------|--------------------|
| Newspaper | X | - |
| Television | X | - |
| Radio | X | X |
| Pamphlets | X | X |

Evaluation of Census Results

Not yet decided.

Data Processing Equipment *

| <u>Off -Lines Devices</u> | <u>Type</u> | <u>No. of Units</u> |
|-------------------------------------|-------------|---------------------|
| Card Punchers/card verifiers | 129 | 88 |
| Tape recorders(Key-to-tape devices) | 4301 | 24 |

Computer and On-live Devices

| | | |
|-----------------------------------------------|---------|---|
| Central processing IBM (Unit size: 512 KB) | 570/145 | 1 |
| Console typewriter | 3215 | 1 |
| Line printer | 1403 | 2 |
| Card reader | 2540 | 1 |
| Card punch | 2540 | 1 |
| Magnetic Disc Drive | 3380 | 8 |

Cont'd Data Processing Equipment *

| <u>Computer and On-line Devices</u> | <u>Type</u> | <u>No. of Units</u> |
|-------------------------------------|-------------|---------------------|
| Magnetic Tape Drive | 3420 | 8 |
| Terminals/Display Station | 3780 | 5 |

* This equipment to be used principally for the census data processing will be available 1 January 1974.

Printing Equipment Available

- a) "Un sistema IBM-72 Composer, con dos unidades de grabación, una lectora y una complementación Baby".
- b) "Un sistema Friden Just-o-Writer, compuesto por dos grabadoras y una lectora".
- c) "Dos máquinas tituladoras; una Friden de película y otra Vary-Typer de disco".
- d) "Una máquina fotográfica NU-ARC y otra fotográfica Multhilit, con un equipo de revelado complementario".
- e) "Una máquina impresora Schriber - 500 SCH con dos tomas Offset con equipo de perforación y corte".
- f) "Una máquina colectora Schriber".
- g) "Tres máquinas impresoras Heildeberg Kord-Offset".
- h) "Tres máquinas impresoras Multhilit".
- i) "Dos cortadoras Polar".
- j) "Una cosedora de alambre".
- k) "Una engomadora Búfalo".
- l) "Insolador de planchas NU-ARC Flip-Top y su equipo accesorio".

* It should be noted that all material used in the census operation will be processed by the above equipment.

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Census Budget

The estimated budget for the census operation to be carried out amounts to approximately US\$ 9.000.000.

From this total US\$ 5.500.000 (1972: US\$ 1.500.000 and 1973: US\$ 4.000.000) have already been financed.

Population Census

a) Categories of persons enumerated in household

- Usual resident of the household present at the time of the census.
- Non-residents present in the household at the time of the census.

b) Topics investigated

Population for which data
will be collected

(Geographic characteristics)

- | | |
|---------------------------------------|-------|
| - Place where found at time of census | Total |
| - Place of usual residence | " |
| - Place of birth | " |
| - Duration of residence | " |
| - Place of previous residence | " |

(Personal and household characteristics)

- | | |
|-------------------------------------|-------------------------|
| - Name | " |
| - Sex | " |
| - Age | " |
| - Relationship to head of household | " |
| - Marital Status | " |
| - Literacy | Person five years and o |
| - School attendance | " " |
| - Educational attainment | " " |

Cont'd Population Census

b) Cont'd Topics investigated

Population for which data
will be collected

(Economic characteristics)

- Type of activity
- Occupation
- Industry
- Status (as employer, employee, etc.)
- Income
- Working time

Person 10 years and over

" "

" "

" "

" "

" "

(Fertility and mortality)

- Children born alive
- Children living
- Live births in past 12 months

Women 15 years and over

" "

Women between 15 and 49
years of age.

c) Special Time - Reference Period

Economic characteristics - The week before the census date.

Housing Census

Topics investigated

(Building in which living quarters are located)

- Type of building
- Construction material of: outer wall, roof, floor

(Living Quarters)

- Occupancy status
- Rooms, number of
- Rooms, use of
- Water supply system
- Toilet facilities

Cont'd Housing Census

Topics investigated (Cont'd)

- Lighting, type
- Cooking facilities

• (Occupants of living quarters)

- Number of occupants
- Tenure

(Others)

- Small industries use of living
- Kind of goods
- Number of persons working on it

Census Calendar

Census calendar corresponding to the PRE-ENUMERATION STAGE which is directly related to items requested from UNFPA.

| | <u>Starting Date</u> | <u>Finishing Date</u> |
|----------------------------------------------------------------------------|----------------------|-----------------------|
| Final Tabulation Programme | 1-I-73 | 31-X-73 |
| Final Selection of Topics | 22-V-73 | 31-VII-73 |
| Final Enumeration Plan | 1-I-73 | 30-VI-73 |
| Preparation of final questionnaire, instructions and other census forms | 22-X-73 | 31-VII-73 |
| Printing of the above | 3-VII-73 | 2-IX-73 |
| Data processing-final plan and organization | 1-III-73 | 31-XII-73 |
| Geographic and cartographic work | 1-II-71 | 26-IX-73 |
| Preparation of census control lists including numbering of living quarters | 20-VIII-73 | 25-VIII-73 |
| Propaganda and publicity | 1-I-73 | 2-XI-73 |

Census Calendar (Cont'd)

| | <u>Starting Date</u> | <u>Finishing Date</u> |
|-------------------------------------------------------------------------------|----------------------|-----------------------|
| <u>Preparations directly related to the enumeration</u> | | |
| Dispatch of questionnaires and other enumeration materials to the field | 18-VIII-73 | 20-IX-73 |
| Recruitment of enumerators | 13-X-73 | 23-X-73 |
| Training of enumerators | 15-X-73 | 19-X-73 |
| <u>ENUMERATION STAGE</u> | | |
| Enumeration - urban areas | 24-X-73 | |
| rural areas | 25-X-73 | 10-XI-73 |
| National Territories | 10-XI-73 | 1-I-74 |

(11) Status of the Census Operation

At the time of my visit the different pre-census operations were in process according to the census calendar established. The following important census activities were in full development:

- a) Final organization of the pre-census to be held during the period 22 - 24 August (Dispatch of enumeration material; instructions to technical assistants and special delegates; etc.);
- b) Revision of the cartographic material and completion of the sectorization of urban sectors;
- c) Instruction courses for personnel to be engaged in the general training programme;
- d) Final revision of the schedule and other census enumeration material.

Consequently, the census programme is proceeding according to plan and barring any unforeseen circumstances, e.g. financial difficulties, the census enumeration will be carried out without difficulties.

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(iii) Technical points that require action

I made the following recommendations:

- a) To make certain additions to the census schedule which would favour the control of enumeration and which would facilitate processing operations (ordering, editing, coding and punching). It should be pointed out that the census schedule is practically definite bearing in mind, for its final form, results obtained from experimental census.
- b) To make immediately the revision of the Plan of Tabulations.
- c) To draw up a plan for the processing of data (ordering, editing, coding and punching of the census material).
- d) To establish a filing plan for census forms which will permit the continuation, in an orderly manner, of census operations.
- e) To make as soon as possible a sample preliminary publication of the information to be collected in the Population and Housing Census.
- f) To request immediately through the Resident Representative in Colombia the services of the following experts:
 - (i) Regional Adviser in Computer Methods at ECLA, to advise in the use of the language CENTS and in the final preparation of the tabulation programme.
 - (ii) Regional Adviser in Sampling at ECLA, to advise and assist in the preparation of a plan for the elaboration of preliminary information to be collected for the 1973 Census.

III. CONCLUSIONS

1. Financial and technical assistance already approved by UNEFA

The need to complete the implementation of the technical and financial assistance already approved by UNEFA for the DANE as follows:

a) Experts:

(i) Expert in census organization (12 months).

Since most of the work included in the job description for this post has been accomplished, the services of the expert in census organization should be reduced to a period of six months. He should basically assist and advise in the duties established in the description of the post in points 7, 8 and 9, for example, tabulation plan, data processing operation (ordering, editing, coding, etc.), publication of advance tabulation, etc.

(ii) Expert in sampling (12 months).

The services of this expert are no longer required. On the other hand, the Government of Colombia should request the services of the Regional Adviser in Sampling at ECIA in order to help in the preparation of a plan for a publication of a sample of the Colombian Population and Housing Census.

b) Supporting Personnel - US\$ 149.032 .-

Funds used for the payment of local personnel should be available immediately (See Annex I for details).

c) Materials - US\$ 158.007. -

These materials are required immediately (See Annex I for details).

2. Part of the request for assistance to UNEPA whose approval is still pending.

Based on the status of the Population and Housing Census operation and considering the proximity of the data for the census enumeration (24 October 1973), I recommend the following:

- a) Immediate approval of the items included in Annex II.
- b) Immediate availability of the funds requested which are related to pre-census activity and census enumeration.

Note:

1. In order to facilitate the study of the request for financial and technical assistance from the Government of Colombia to UNFPA, the detailed budget is presented in Annexes I and II in accordance with UNFPA requirements.

ANNEX I (a) and ANNEX II (a) give detailed information on items requested in order to permit easier implementation.
2. Annex II corresponding to the request whose approval is still pending, offers the following differences regarding the content of the requests formerly presented to UNFPA by DANE:
 - a) Certain items have been eliminated since there has not been sufficient justification for their support or since they are related to activities which have already been completed, such as salaries for technical personnel, social benefits, etc.
 - b) Some new items referring to census activities which DANE would have serious difficulties in financing and which would assure an expeditious and successful completion of the census operation, e.g. printing material and data processing supplies, have been included.
3. The total amount now reaches US\$ 757.823. This total will be reduced by the already approved US\$ 45.000 as a consequence of the non-utilization of US\$ 30.000 which correspond to the services of the expert in sampling and by US\$ 15.000, if the final decision will be that the assistance of the expert in census organization be only for six months.