

Planning for the 2010 Round Population Census Cambodia

By Has Bunton

The 11th Meeting of the Heads of National Statistical
Offices of East Asian Countries

6-8 Nov., 2006

Tokyo, Japan

Agenda



1. Background

2. Resource for the Census

3. National Capacity Building

4. State of Preparedness

Background



- ▶ Population censuses and surveys in Cambodia history: Pop. Count 1921, DS 1946, DS 1958, DS 1959, First Pop. Census 1962, Count 1980, DS 1996, 2nd Pop. Census 1998, CIPS 2004
- ▶ There was no census for 36 years
- ▶ The 1998 General Population Census was almost entirely supported by UNFPA
- ▶ No major problems and constraints encountered

Results and Constraints, Last Census 1998



- ▶ 3rd March 1998 as reference date. Total Population of 11,437,656 counted
- ▶ PES found 1.78% undercount
- ▶ Some villages and districts not enumerated due to security reason. Those population estimated to 45,000.
- ▶ 60,000 Cambodians temporarily displaced to camps in Thailand

Other Constraints and Strengths, Last Census 1998



- ▶ Limited human resources and census experience
- ▶ Two resident advisers, one for census and another for data processing
- ▶ Started from almost empty-handed
- ▶ Lots of training conducted: specialized and on-the-job
- ▶ People not heard of census for a long time. Therefore, lots of campaigns and advocacy conducted

Census Output, 1998



- ▶ Preliminary report in Sep. 1998
- ▶ Final general report in Sep. 1999, national and provincial level
- ▶ Several other specialized and analytical reports including population projection followed
- ▶ All reports are available to public in soft copy in the form of CD-ROM and email attachment
- ▶ Dissemination workshop and seminar at cities and provinces

Sample IT Outputs Census 1998

Sample Table Retrieval System



IMPS 4.1 Text Viewer - [Tabfile]

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Table A1-A. Population by Single Years of Age and Sex.

| Age in Single Years | Total Population | % of Population | Sex | | % of Females | |
|------------------------------|---------------------|--------------------|--------------------|---------------|-----------------|------|
| | | | Number of Males | % of Males | | |
| 01 Banteay Mean Chey - Urban | | | | | | |
| TOTAL | 98,848 | 100.0 | 48,056 | 48.6 | 50,792 | 51.4 |
| 0 - 4 | 12,339 | 12.5 | 6,245 | 13.0 | 6,094 | 12.0 |
| 0 | 2,057 | 2.1 | 1,076 | 2.2 | 981 | 1.9 |
| 1 | 2,386 | 2.4 | 1,184 | 2.5 | 1,202 | 2.4 |
| 2 | 2,453 | 2.5 | 1,229 | 2.6 | 1,224 | 2.4 |
| 3 | 2,676 | 2.7 | 1,364 | 2.8 | 1,312 | 2.6 |
| 4 | 2,767 | 2.8 | 1,392 | 2.9 | 1,375 | 2.7 |
| 5 - 9 | 15,018 | 15.2 | 7,695 | 16.0 | 7,323 | 14.4 |
| 5 | 3,103 | 3.1 | 1,579 | 3.3 | 1,524 | 3.0 |
| 6 | 2,962 | 3.0 | 1,550 | 3.2 | 1,412 | 2.8 |
| 7 | 3,233 | 3.3 | 1,593 | 3.3 | 1,640 | 3.2 |
| 8 | 3,086 | 3.1 | 1,633 | 3.4 | 1,453 | 2.9 |
| 9 | 2,634 | 2.7 | 1,340 | 2.8 | 1,294 | 2.5 |
| 10 - 14 | 15,200 | 15.4 | 7,784 | 16.2 | 7,416 | 14.6 |
| 10 | 3,328 | 3.4 | 1,749 | 3.6 | 1,579 | 3.1 |
| 11 | 2,897 | 2.9 | 1,478 | 3.1 | 1,419 | 2.8 |
| 12 | 3,122 | 3.2 | 1,559 | 3.2 | 1,563 | 3.1 |
| 13 | 3,024 | 3.1 | 1,573 | 3.3 | 1,451 | 2.9 |
| 14 | 2,829 | 2.9 | 1,425 | 3.0 | 1,404 | 2.8 |
| 15 - 19 | 12,015 | 12.2 | 6,013 | 12.5 | 6,002 | 11.8 |
| 15 | 2,793 | 2.8 | 1,457 | 3.0 | 1,336 | 2.6 |
| 16 | 2,715 | 2.7 | 1,386 | 2.9 | 1,329 | 2.6 |
| 17 | 2,588 | 2.6 | 1,322 | 2.8 | 1,266 | 2.5 |
| 18 | 2,426 | 2.5 | 1,136 | 2.4 | 1,290 | 2.5 |
| 19 | 1,493 | 1.5 | 712 | 1.5 | 781 | 1.5 |

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Sample Macro Level Database



- Village level database.
- Aggregated and grouping data of variables.
- Ready for Tabulation and a

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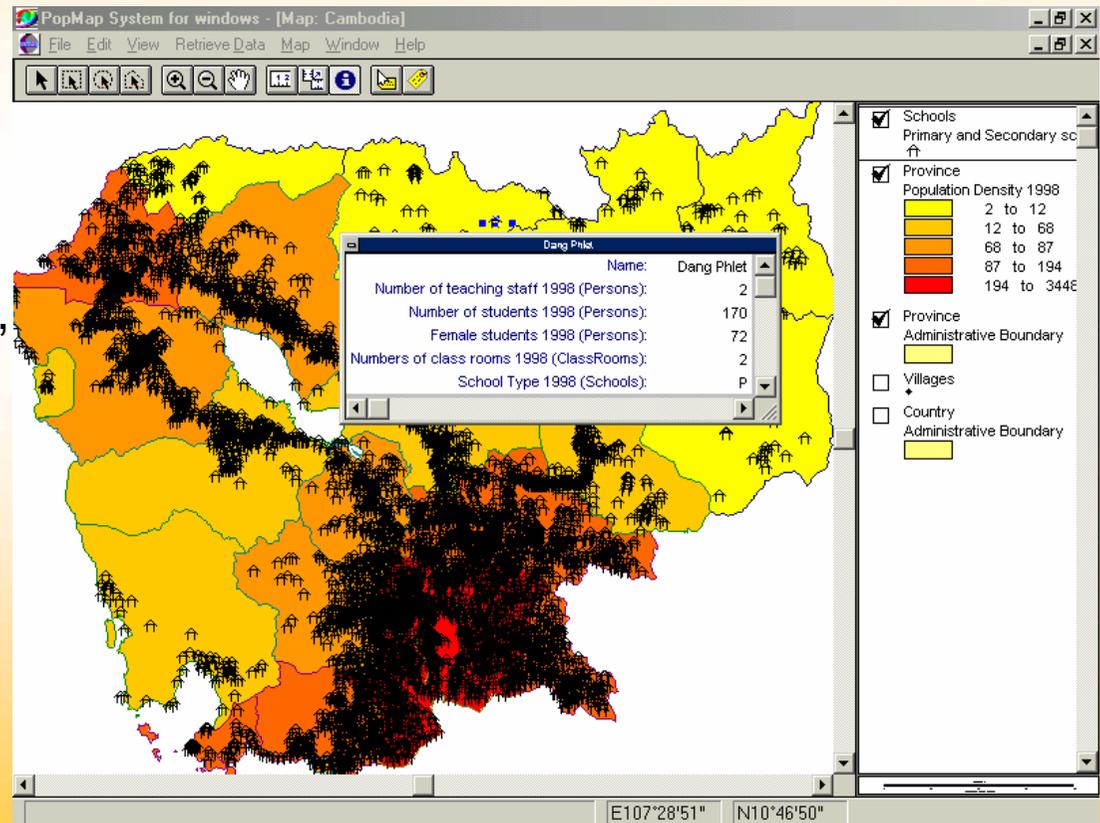
| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|----------|----------|---------|---------|-------|-------|-------|-------|-------|--------|--------|--------|
| 1 | PROVINCE | DISTRICT | COMMUNE | VILLAGE | MAL 5 | MAL 6 | MAL 7 | MAL 8 | MAL 9 | MAL 10 | MAL 11 | MAL 12 |
| 2 | 01 | 02 | 01 | 01 | 00015 | 00009 | 00012 | 00011 | 00017 | 00005 | 00015 | 00008 |
| 3 | 01 | 02 | 01 | 02 | 00028 | 00018 | 00017 | 00026 | 00016 | 00013 | 00013 | 00020 |
| 4 | 01 | 02 | 01 | 03 | 00024 | 00027 | 00027 | 00031 | 00025 | 00038 | 00029 | 00028 |
| 5 | 01 | 02 | 01 | 04 | 00014 | 00008 | 00016 | 00010 | 00011 | 00018 | 00008 | 00011 |
| 6 | 01 | 02 | 01 | 05 | 00009 | 00009 | 00011 | 00010 | 00009 | 00011 | 00011 | 00010 |
| 7 | 01 | 02 | 01 | 06 | 00007 | 00012 | 00015 | 00010 | 00011 | 00018 | 00016 | 00018 |
| 8 | 01 | 02 | 01 | 07 | 00019 | 00022 | 00026 | 00023 | 00014 | 00036 | 00023 | 00024 |
| 9 | 01 | 02 | 01 | 08 | 00009 | 00009 | 00008 | 00007 | 00006 | 00012 | 00009 | 00006 |
| 10 | 01 | 02 | 01 | 09 | 00013 | 00018 | 00019 | 00023 | 00015 | 00015 | 00015 | 00012 |
| 11 | 01 | 02 | 01 | 10 | 00007 | 00008 | 00008 | 00010 | 00006 | 00009 | 00013 | 00011 |
| 12 | 01 | 02 | 01 | 11 | 00021 | 00024 | 00010 | 00013 | 00014 | 00015 | 00011 | 00019 |
| 13 | 01 | 02 | 01 | 12 | 00013 | 00010 | 00008 | 00013 | 00009 | 00011 | 00009 | 00007 |
| 14 | 01 | 02 | 01 | 13 | 00014 | 00023 | 00016 | 00014 | 00019 | 00019 | 00014 | 00018 |
| 15 | 01 | 02 | 01 | 14 | 00024 | 00020 | 00015 | 00013 | 00007 | 00010 | 00016 | 00011 |
| 16 | 01 | 02 | 01 | 15 | 00006 | 00009 | 00011 | 00007 | 00011 | 00008 | 00012 | 00007 |
| 17 | 01 | 02 | 01 | 16 | 00010 | 00011 | 00007 | 00007 | 00006 | 00003 | 00004 | 00005 |
| 18 | 01 | 02 | 01 | 17 | 00017 | 00010 | 00011 | 00005 | 00006 | 00010 | 00008 | 00008 |
| 19 | 01 | 02 | 01 | 18 | 00020 | 00034 | 00021 | 00022 | 00035 | 00031 | 00016 | 00027 |
| 20 | 01 | 02 | 01 | 19 | 00018 | 00008 | 00016 | 00007 | 00017 | 00009 | 00006 | 00012 |
| 21 | 01 | 02 | 01 | 91 | 00003 | 00003 | 00006 | 00002 | 00000 | 00003 | 00005 | 00002 |
| 22 | 01 | 02 | 02 | 01 | 00008 | 00002 | 00005 | 00004 | 00004 | 00001 | 00004 | 00002 |
| 23 | 01 | 02 | 02 | 02 | 00005 | 00005 | 00009 | 00009 | 00007 | 00010 | 00017 | 00012 |
| 24 | 01 | 02 | 02 | 03 | 00005 | 00013 | 00012 | 00022 | 00012 | 00012 | 00013 | 00017 |

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Sample GIS System



- Provide geo maps with layers down to communes.
- The database with demographic and socio-economic indicators. Villages, schools, routes, and rivers are also available.



Sample Micro Level Database



- The database contains data records of the individual persons and households aggregated to village level for confidentiality
- WinR+ software package with convenient graphical interfaces included for customized cross tabulation for any user-defined geographical area.

| Main Activity | Sex of respondent | | Total |
|-------------------|-------------------|------------|------------|
| | MALE | FEMALE | |
| Categories | 1 | 2 | |
| EMPLOYED | 17 | 19 | 36 |
| HOME MAKER | 6 | 2 | 8 |
| STUDENT | 72 | 62 | 134 |
| DEPENDENT | 41 | 44 | 85 |
| Total | 136 | 127 | 263 |

Internet in Dissemination



- ❖ Display and disseminate comprehensive statistical data derived from various sources.
- ❖ Provide up-to-date data collected periodically, such as the Consumer Price Index.
- ❖ Offer order form for data request.

Number of visits from 08/2005

Done

Local Intranet

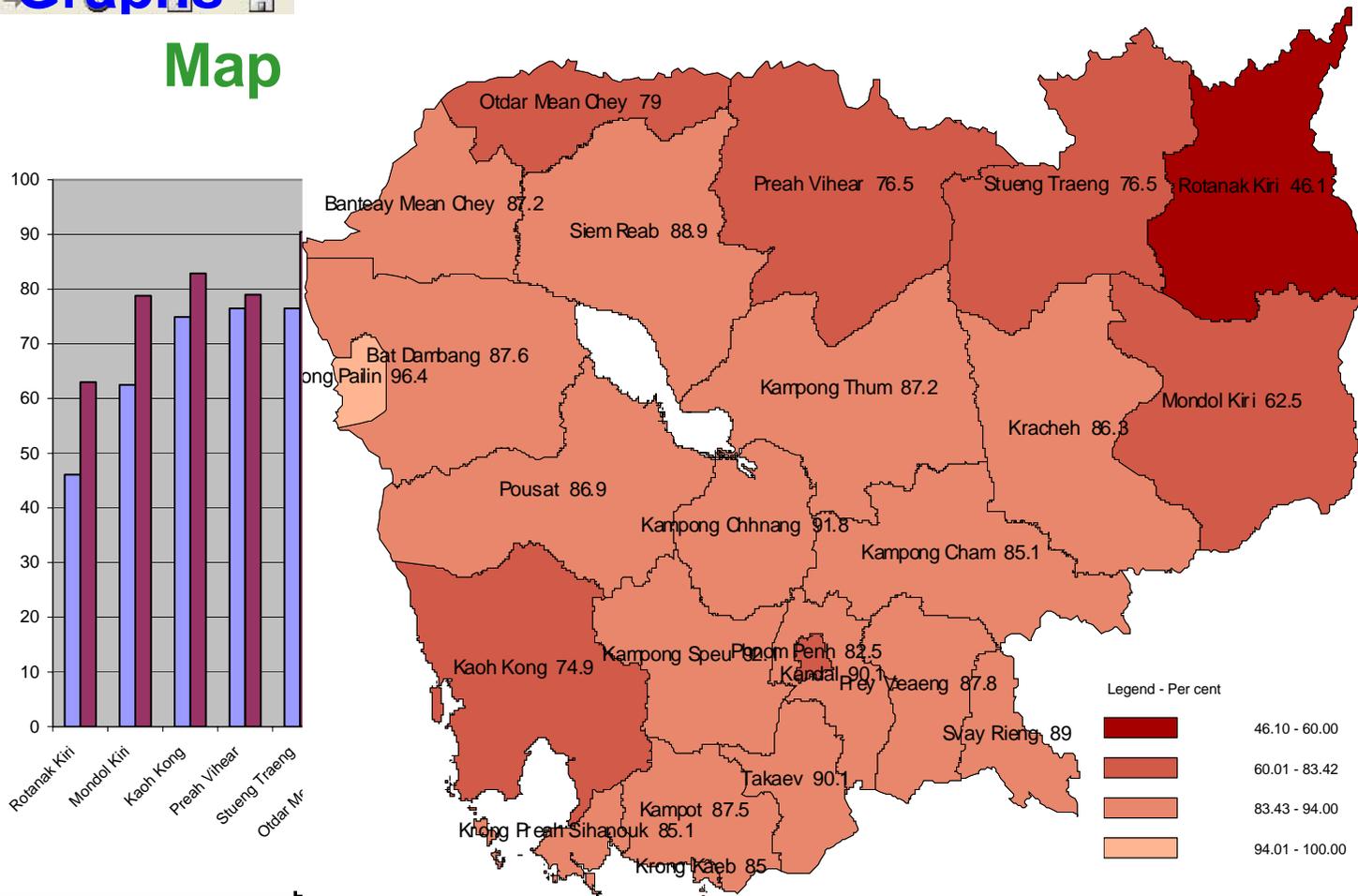
CamInfo – MDG Monitoring Tool



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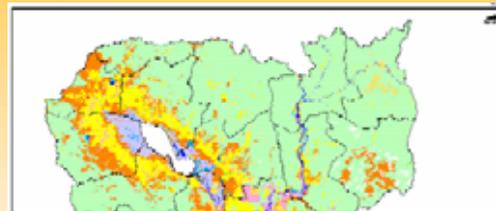
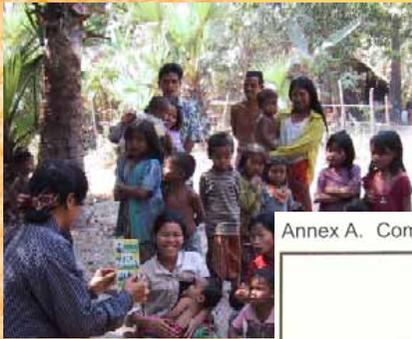
Net enrolment ratio in primary education - Female 2002-2003



Source: Education Management Information System, Ministry of Education, Youth and Sport.



POVERTY MAP

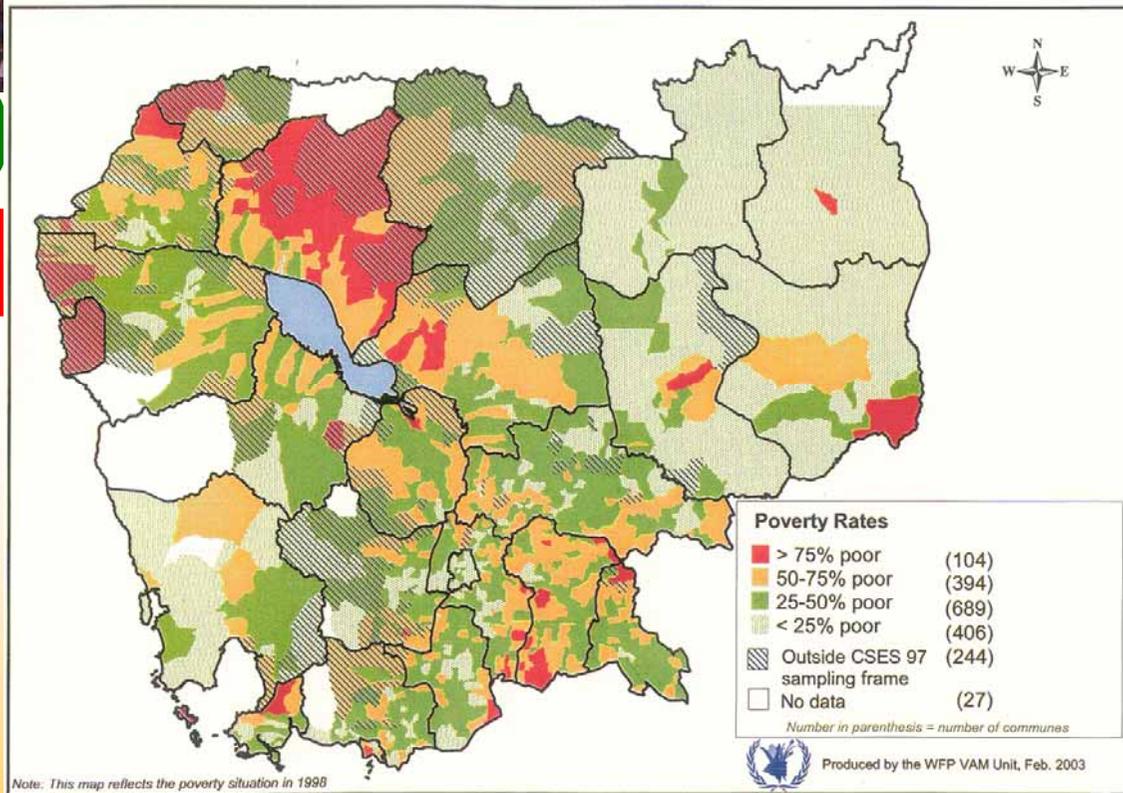


Annex A. Commune-Level Poverty Rates



CSES 9
SI

CENSUS 98
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Necessity of the Next Census, 2008



- ▶ Census data are essential for development planning, decision making, MDG tracking, cornerstone of statistical master plan, and research
- ▶ Census provides sole source of reliable data available down to the smallest area
- ▶ Value of data and estimated data are faked over time. Surveys cannot completely compensate the gap
- ▶ Government and donors reached consensus on census 2008, 3rd of March

Constraints and Strengths, Census 2008



- ▶ Human resource, experience, and facility left over from the last census, 1998.
- ▶ Multiple donors and supports. At the moment: UNFPA, SBJ/JICA, German, and contribution of Royal Gov. of Cambodia
- ▶ Increased management and coordination required between government and donors and between donor and donor.
- ▶ Statistical village boundary will be generated for dissemination and public use

Special Support of Statistics Bureau of Japan (SBJ)



- ▶ Strong and systematic support to NIS is being provided by SBJ through JICA upon request of NIS's DG for technical cooperation to SBJ's DG
- ▶ Start with "Project on Improving Official Statistics in Cambodia". Large scale statistical training being provided to statistical staff at NIS, line ministries, and statistical staff in all provinces. Census preparation (census mapping) is also being supported. These activities are being implemented smoothly and successfully
- ▶ To initiate significant support for all aspects of the census 2008 in phase 2 of the project

Budget and Funding for the Census, 2008



- ▶ Census Planning and Preparation Phase
- ▶ Census Cartography and EA delineation
- ▶ Equipment, operation, and maintenance
- ▶ Training of census's enumerators and supervisors
- ▶ Census's enumeration incentive
- ▶ Transportation/Supply/Vehicles
- ▶ Data Processing
- ▶ Analysis and dissemination

Current State of Preparedness, Census 2008 (1)



- ▶ Ad-hoc international technical support advising and verifying the works of the built capacity
- ▶ Census questionnaire (Form A: house listing, and Form B: household questionnaire) is prepared, tested, and finalized.
- ▶ PC processing is planned, CSPro for data processing
- ▶ Similar or better outputs and disseminations are expected.

Current State of Preparedness, Census 2008 (2)



- ▶ Launch of Census Plan was honored by Prime Minister
- ▶ Sub-degree on census has been approved and enacted
- ▶ National Census Committee (NCC) is established. It is chaired by deputy prime minister in charge of Ministry of Interior
- ▶ Census Technical Committee is formed and chaired by Senior Minister, Ministry of Planning

Current State of Preparedness, Census 2008 (3)



- ▶ DG of NIS will function as the Director General of Census supported by his subordinates, DDG and Director of Census Department
- ▶ Staff capacity has been reviewed, gap identified, strengthening started

Current State of Preparedness, Census 2008 (4)



- ▶ The provincial planning offices will act as provincial census offices with the provincial director at the head as provincial census officer (PCO)
- ▶ There will be a provincial census committee with provincial Governor as Chairperson to guide the PCO
- ▶ The appointments of enumerators and supervisors would be made by the provincial Director in consultation with the Planning and Monitoring Division of the census office at NIS
- ▶ Most of the enumerators and supervisors will be drawn from school teachers.

Current State of Preparedness, Census 2008 (5)



- ▶ The enumeration is proposed to be undertaken during March 2008 for two weeks with midnight of March 3 (00-00 hours) as reference time. It will exactly mark a ten year interval after the last 1998 census
- ▶ House to house visit will be made by enumerators for enumeration of each individual in every household
- ▶ The households will include normal, institutional and homeless households.
- ▶ The de facto method will be adopted for census enumeration

Current State of Preparedness, Census 2008 (6)



- ▶ Training will be provided to senior staff, trainers, who, in turn, will train enumerators
- ▶ Data processing will be organized, conducted, and monitored centrally at NIS. Data entry and editing will be undertaken using CS-Pro, IMPS and Visual Basic software
- ▶ Tabulation is planned for about 70 priority tables to be available for national, provincial, and district level

Current State of Preparedness, Census 2008 (7)



- ▶ After the national level and provincial level tables are ready, analytical workshop will be conducted on each topic with expert assistance and participation of national subject matter specialists
- ▶ A series of analytical reports following a general report are expected to be produced thereafter
- ▶ Dissemination of census data will be undertaken extensively to cover from national to provincial and district level of administration, researchers and the general data users through dissemination and data utilization workshops, seminars and meetings
- ▶ ICT will be utilized more extensively for dissemination

THANK YOU