





METHODOLOGY FOR PAKISTAN'S 6th POPULATION AND HOUSING CENSUS

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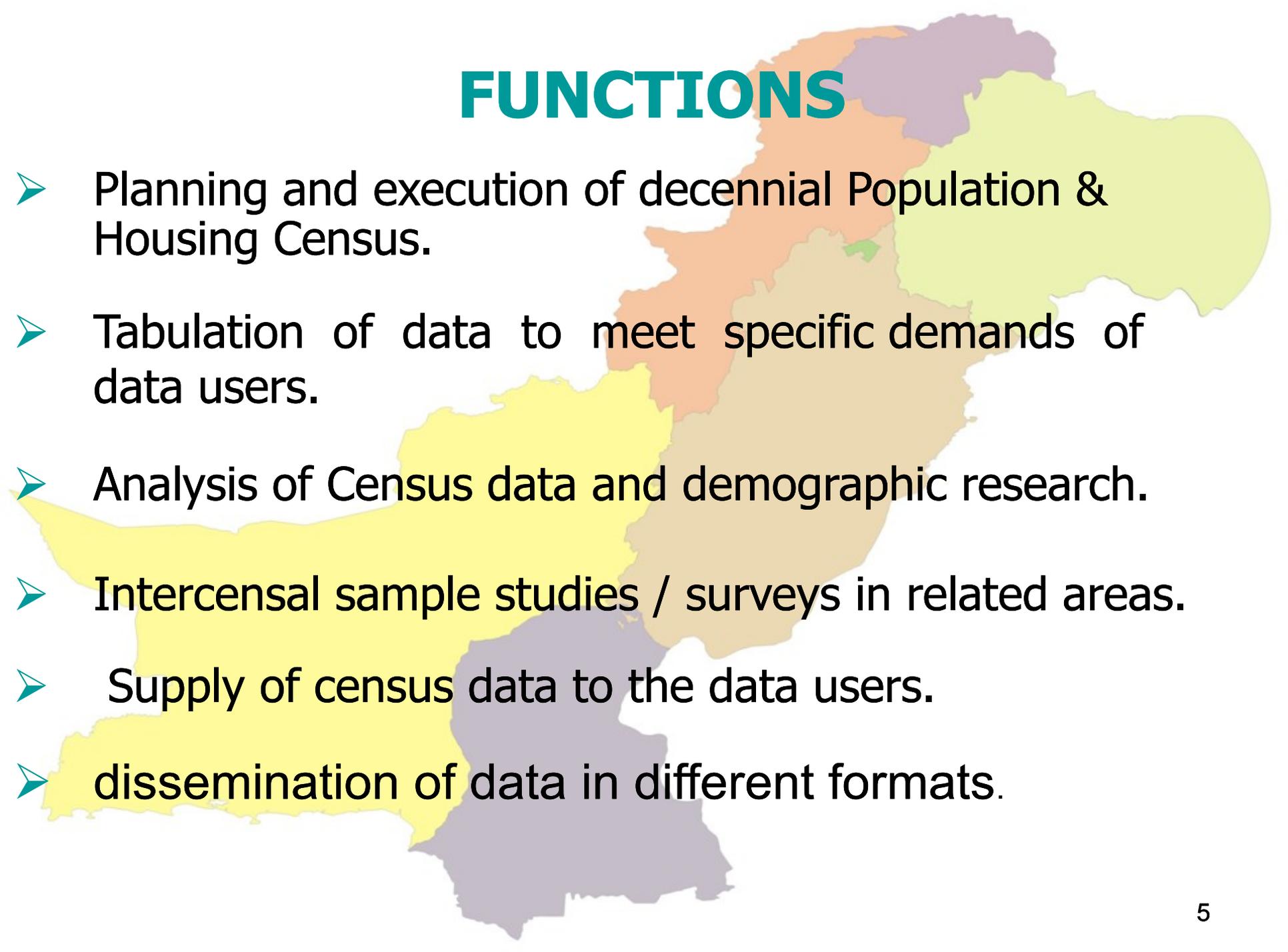
POPULATION CENSUS ORGANIZATION (PCO)

- Established in 1950 under the Census Act, 1949 as part of Ministry of Home Affairs (Interior)
- After 1972 Census, Census Organization was established on permanent footing as an attached department of Ministry of Interior
- Department of Registration and Census Organization were merged in 1976 and named as “Census & Registration Organization”
- In 1978, the Census Organization was renamed as Population Census Organization and made an attached department of Statistics Division

POPULATION CENSUS ORGANIZATION (PCO)

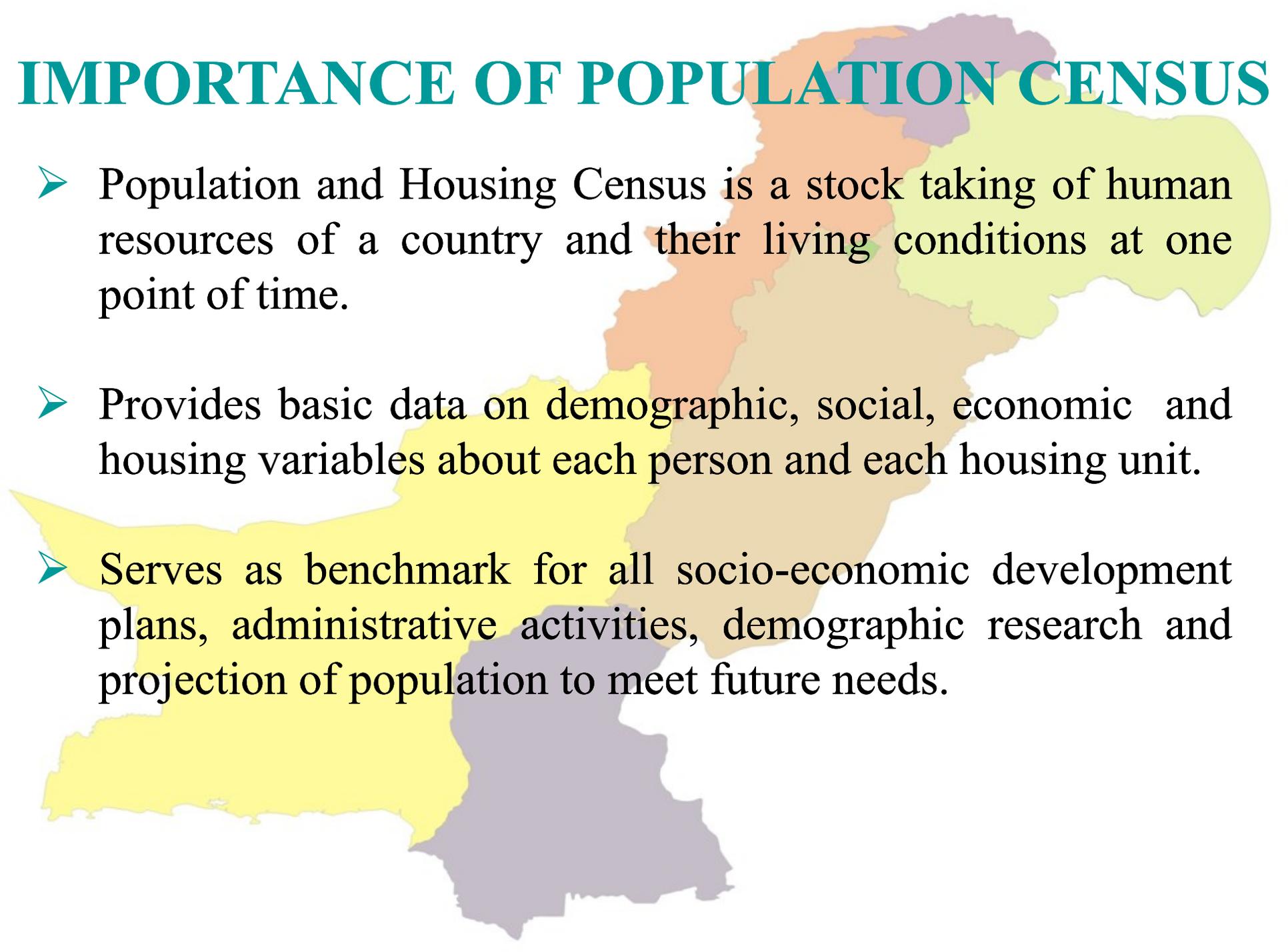
- Under Statistics Re-organization Act- 2011, Three Organizations namely Federal Bureau of Statistics, Population Census Organization and Agriculture Census Organization have been merged together and new Organization called Pakistan Bureau of Statistics has been formed.
- This Organization has been entrusted the job of conduct of Population & Housing Census in the country.

FUNCTIONS



- Planning and execution of decennial Population & Housing Census.
- Tabulation of data to meet specific demands of data users.
- Analysis of Census data and demographic research.
- Intercensal sample studies / surveys in related areas.
- Supply of census data to the data users.
- dissemination of data in different formats.

IMPORTANCE OF POPULATION CENSUS



- Population and Housing Census is a stock taking of human resources of a country and their living conditions at one point of time.
- Provides basic data on demographic, social, economic and housing variables about each person and each housing unit.
- Serves as benchmark for all socio-economic development plans, administrative activities, demographic research and projection of population to meet future needs.

POPULATION CENSUS

DEFINITION

Population Census is the total process of collecting, compiling, evaluating, analyzing and publishing/disseminating demographic, social and economic data pertaining to all persons living in a country or a well defined territory, at a specified time.

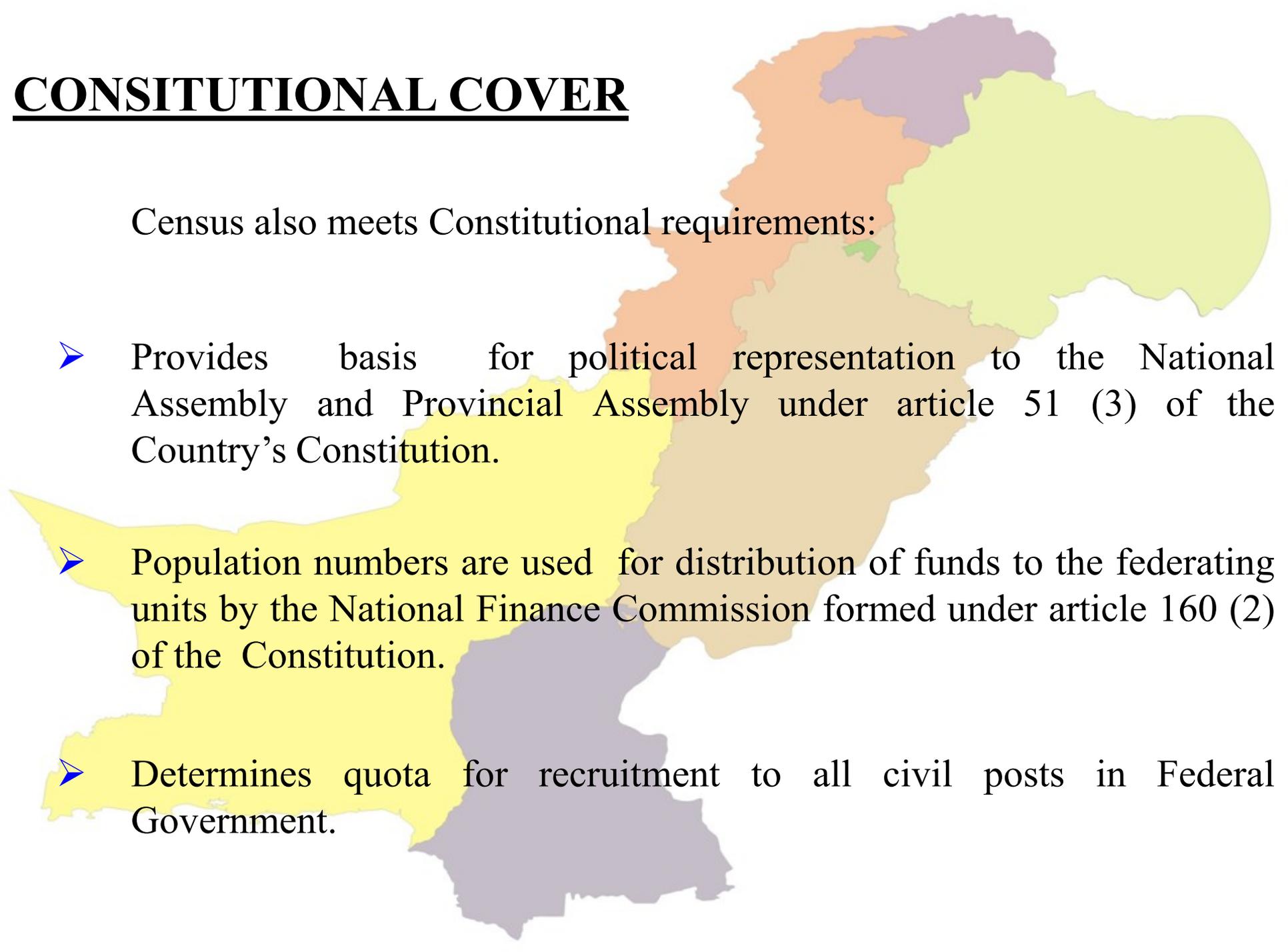
ESSENTIAL FEATURES

- i) Individual Enumeration
- ii) Universality within a defined Territory
- iii) Simultaneity to well defined Reference Period
- iv) Defined Periodicity

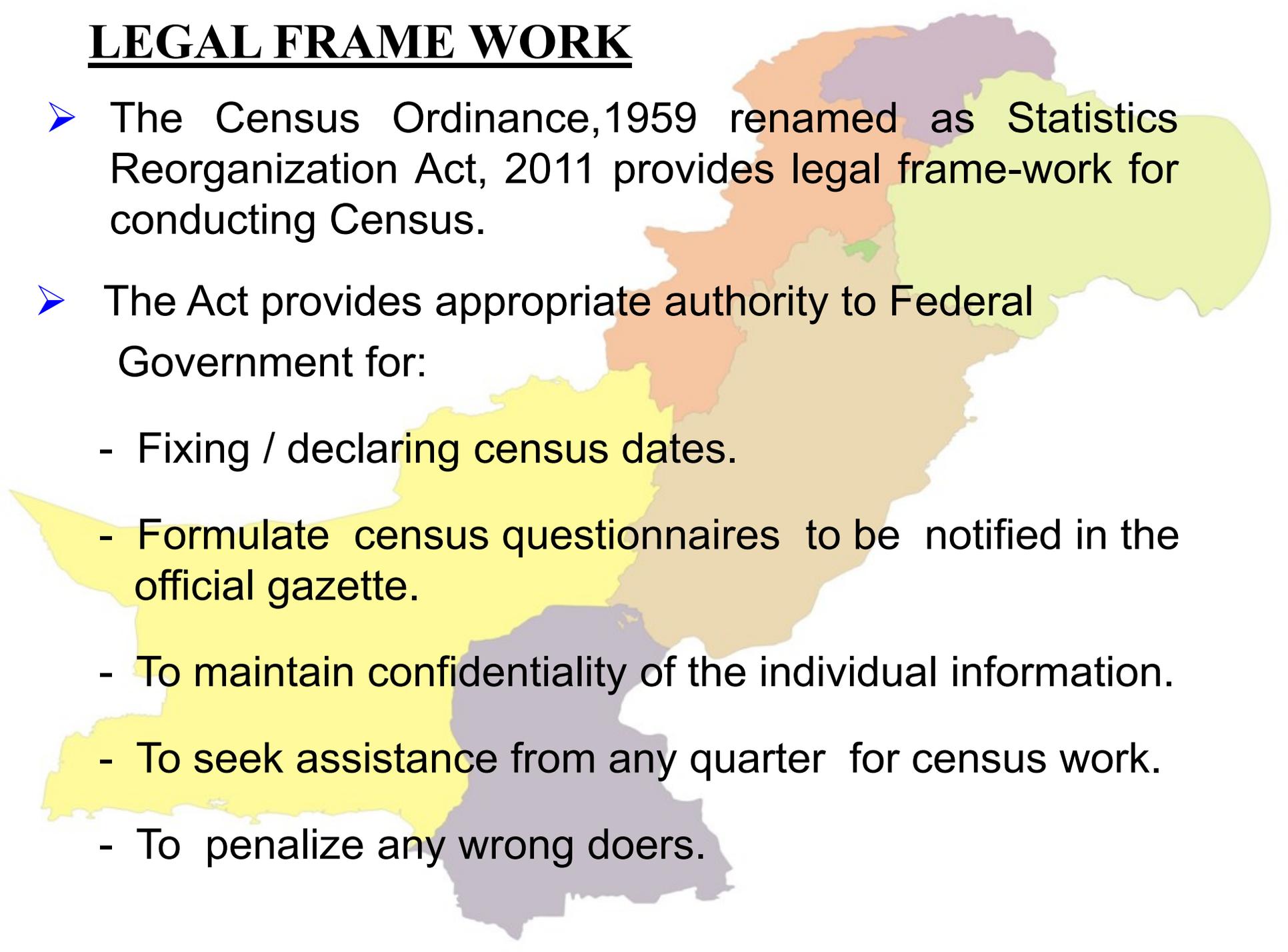
CONSTITUTIONAL COVER

Census also meets Constitutional requirements:

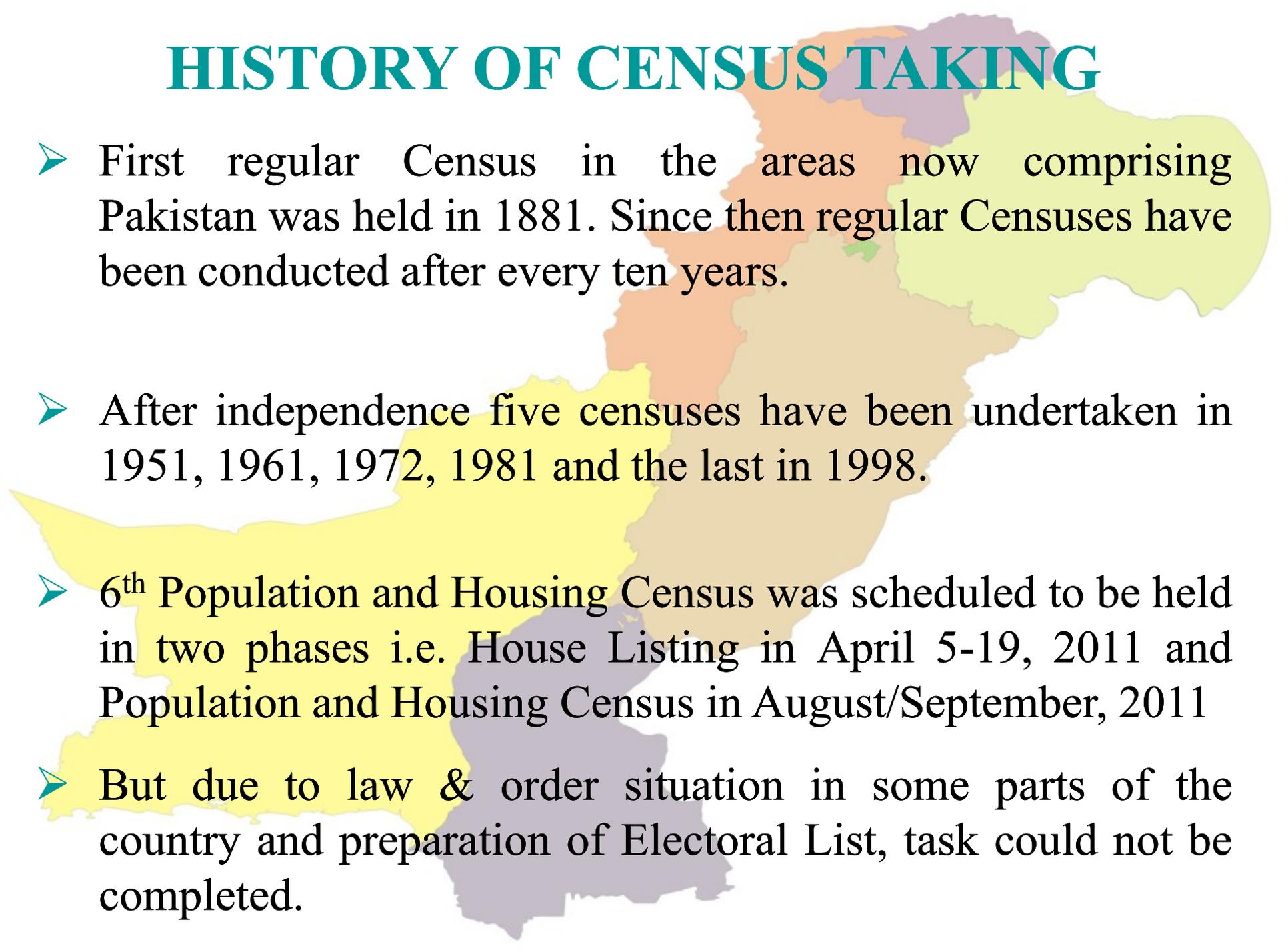
- Provides basis for political representation to the National Assembly and Provincial Assembly under article 51 (3) of the Country's Constitution.
- Population numbers are used for distribution of funds to the federating units by the National Finance Commission formed under article 160 (2) of the Constitution.
- Determines quota for recruitment to all civil posts in Federal Government.



LEGAL FRAME WORK

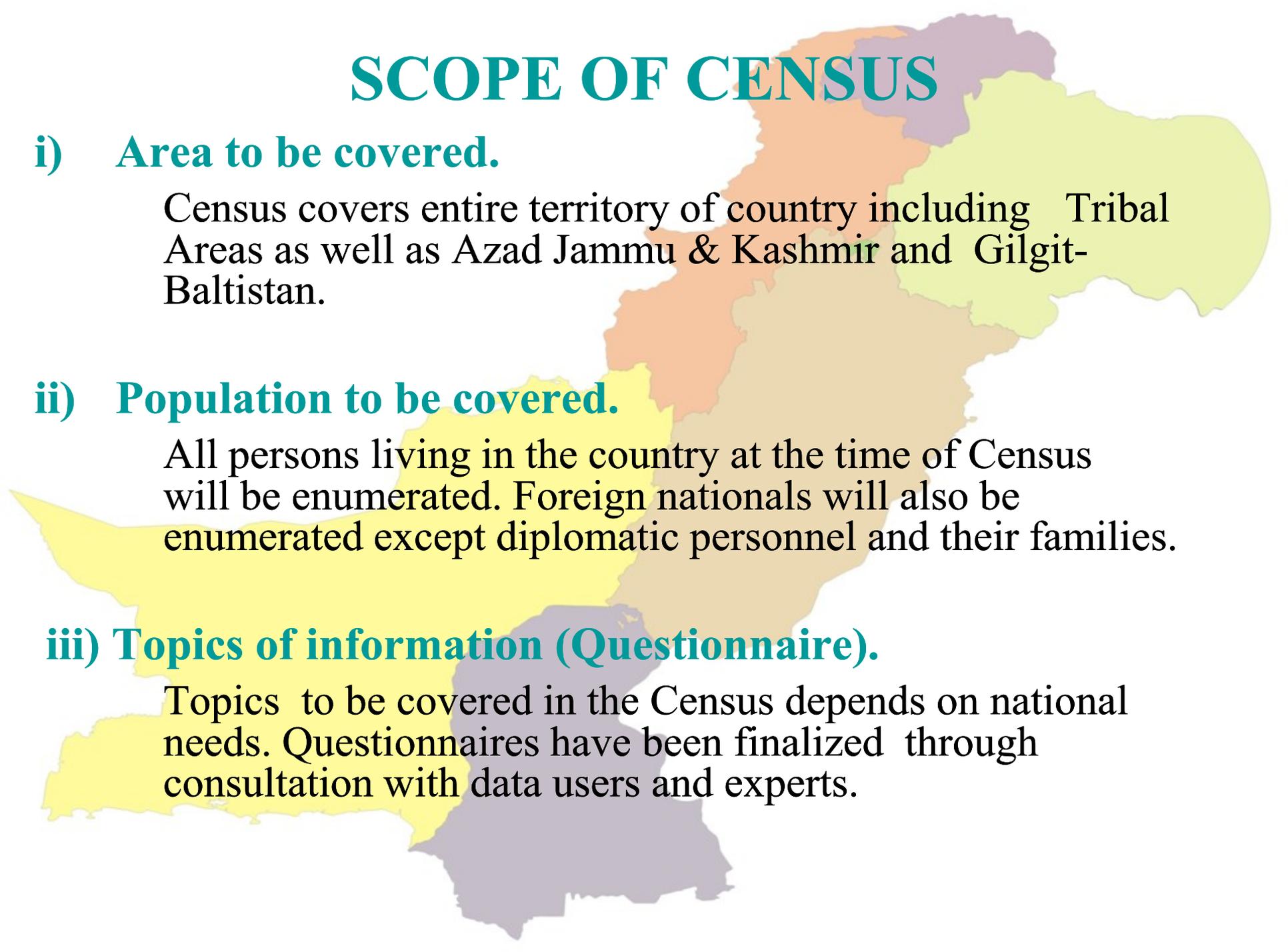
- 
- The Census Ordinance, 1959 renamed as Statistics Reorganization Act, 2011 provides legal frame-work for conducting Census.
 - The Act provides appropriate authority to Federal Government for:
 - Fixing / declaring census dates.
 - Formulate census questionnaires to be notified in the official gazette.
 - To maintain confidentiality of the individual information.
 - To seek assistance from any quarter for census work.
 - To penalize any wrong doers.

HISTORY OF CENSUS TAKING



- First regular Census in the areas now comprising Pakistan was held in 1881. Since then regular Censuses have been conducted after every ten years.
- After independence five censuses have been undertaken in 1951, 1961, 1972, 1981 and the last in 1998.
- 6th Population and Housing Census was scheduled to be held in two phases i.e. House Listing in April 5-19, 2011 and Population and Housing Census in August/September, 2011
- But due to law & order situation in some parts of the country and preparation of Electoral List, task could not be completed.

SCOPE OF CENSUS



i) Area to be covered.

Census covers entire territory of country including Tribal Areas as well as Azad Jammu & Kashmir and Gilgit-Baltistan.

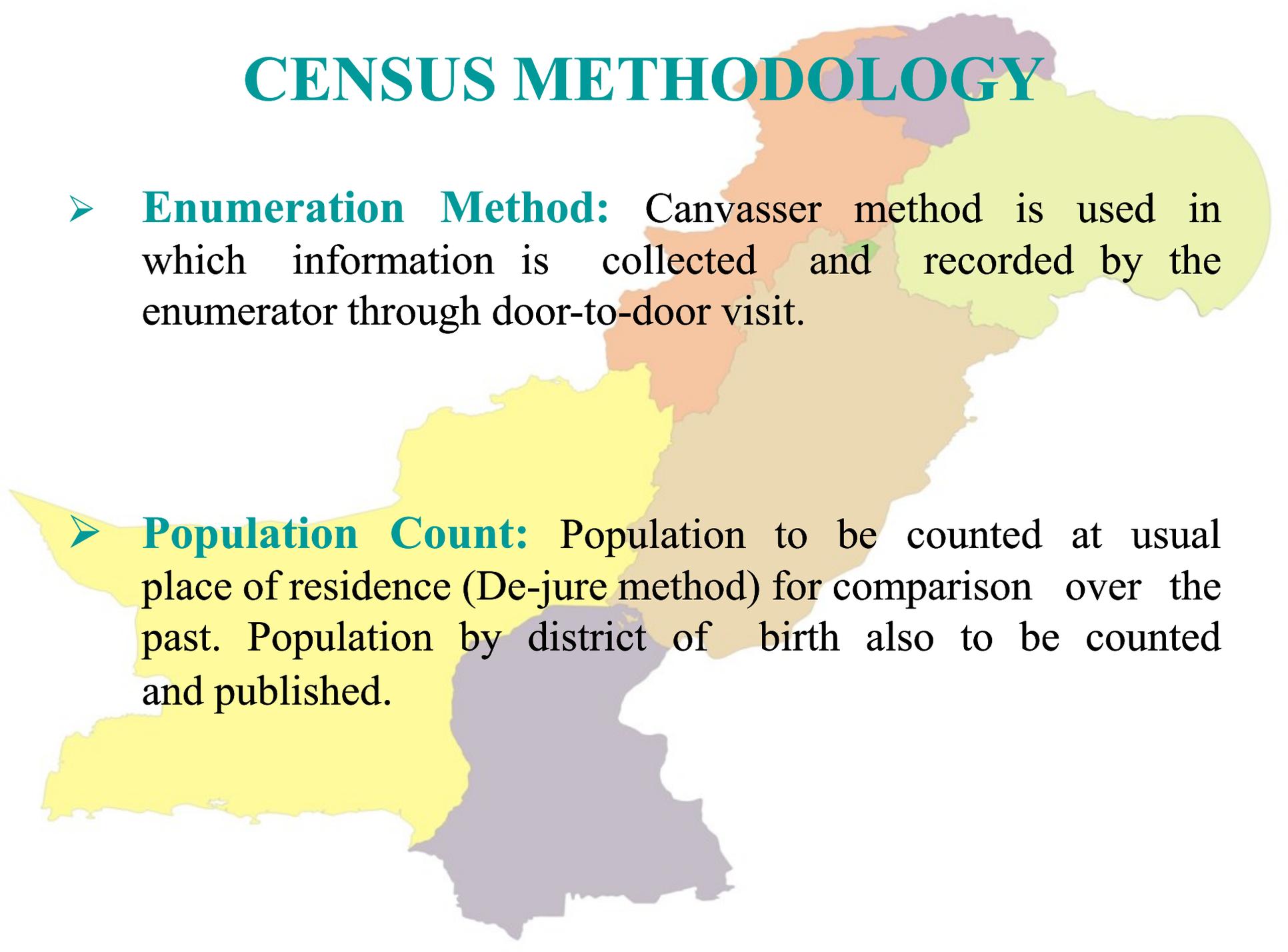
ii) Population to be covered.

All persons living in the country at the time of Census will be enumerated. Foreign nationals will also be enumerated except diplomatic personnel and their families.

iii) Topics of information (Questionnaire).

Topics to be covered in the Census depends on national needs. Questionnaires have been finalized through consultation with data users and experts.

CENSUS METHODOLOGY



- **Enumeration Method:** Canvasser method is used in which information is collected and recorded by the enumerator through door-to-door visit.
- **Population Count:** Population to be counted at usual place of residence (De-jure method) for comparison over the past. Population by district of birth also to be counted and published.

TOPICS TO BE COVERED

➤ **DEMOGRAPHIC & SOCIAL CHARACTERISTICS**

Age - Sex - Relationship to the head of household - Marital status - Religion - Mother tongue (language) - Nationality

➤ **EDUCATIONAL CHARACTERISTICS (for 5 years +)**

Literacy status - School / college attendance - Level of education completed - Field of education

➤ **GEOGRAPHICAL/MIGRATION CHARACTERISTICS**

District of birth - Duration of continuous residence in district
District of previous residence - Reason of migration

TOPICS TO BE COVERED (Contd.)

➤ **ECONOMIC CHARACTERISTICS (for 10 years +)**

Type of activity - Occupation - Industry - Employment status - Reason of unemployment

➤ **FERTILITY AND MORTALITY (Females 15-49 Years)**

No. of children ever born by sex

No. of children still living by sex

No. of children born during last 12 months by sex

No. of children still living by sex

➤ **MISCELLANEOUS**

Nature and Reason of disability

Holding of NIC for persons 18 years plus

TOPICS TO BE COVERED (Contd.)

➤ HOUSING CHARACTERISTICS

Information about dwelling units such as:

Number of rooms - Ownership Status - Sex of Owner

Period since constructed and

Construction Material used in outer walls & roofs.

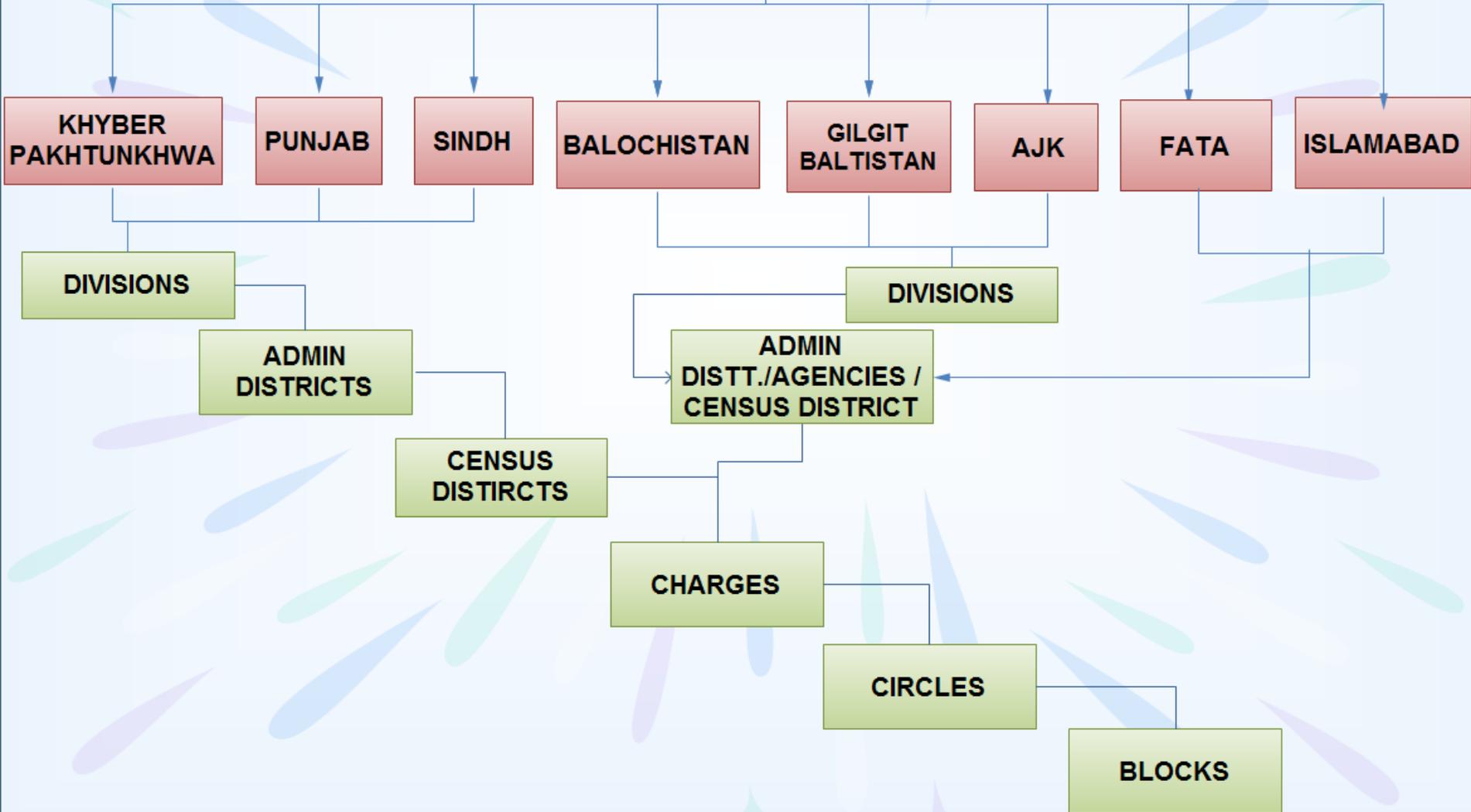
Source of Drinking Water

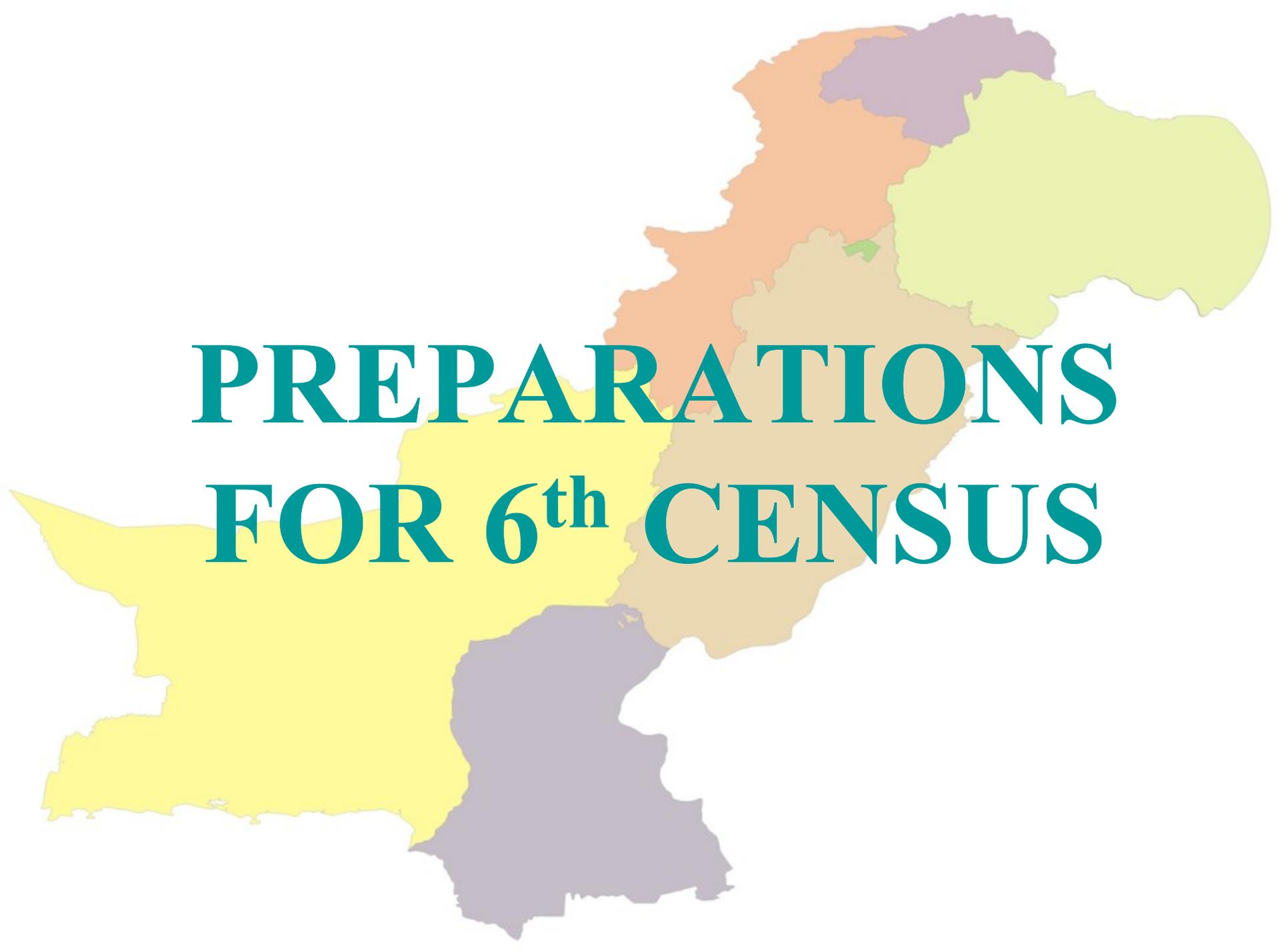
Source of Light and Cooking Fuel being used.

Availability of proper Kitchen – Bathroom - Latrine and Drainage system

Media of Information such as T.V., Radio, Newspaper, Telephone, Mobile and Computer / Internet.

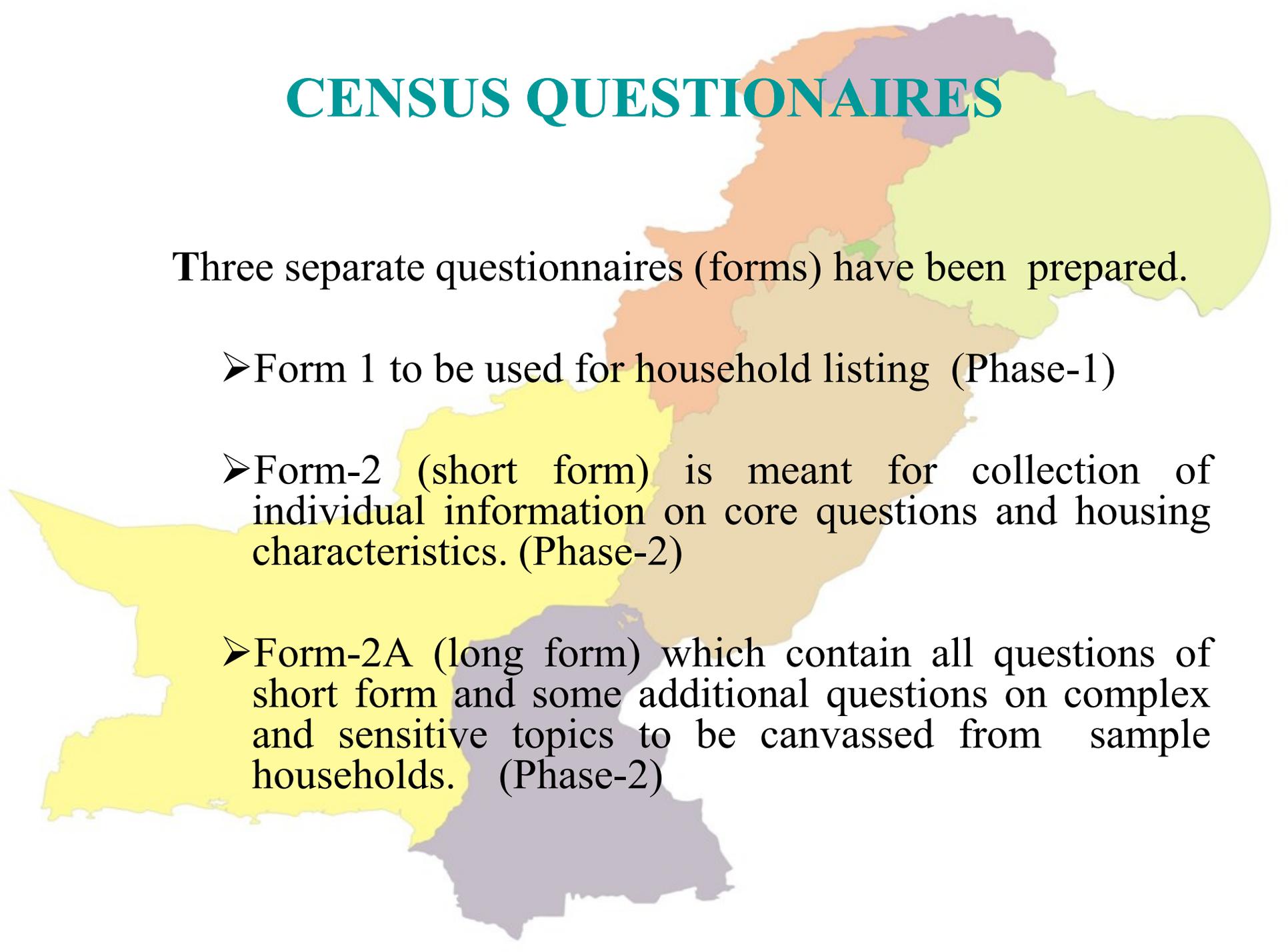
CENSUS STRUCTURE





**PREPARATIONS
FOR 6th CENSUS**

CENSUS QUESTIONNAIRES



Three separate questionnaires (forms) have been prepared.

- Form 1 to be used for household listing (Phase-1)
- Form-2 (short form) is meant for collection of individual information on core questions and housing characteristics. (Phase-2)
- Form-2A (long form) which contain all questions of short form and some additional questions on complex and sensitive topics to be canvassed from sample households. (Phase-2)

Page No. _____

Block Code					
Census District		Charge		Block	

Form - 2A(Confidential)

Household Sl. Number		

GOVERNMENT OF PAKISTAN POPULATION CENSUS ORGANIZATION 6th POPULATION & HOUSING CENSUS

FOR PERSONS FIVE YEARS AND ABOVE										FOR ALL PERSONS											
REASON FOR UNEMPLOYMENT	EMPLOYMENT STATUS	INDUSTRY (FOR CODE 1 IN COL 13 AND CODE 1-5 IN COL 14)			OCCUPATION (FOR CODE 1 IN COL 13 AND CODE 1-5 IN COL 14)			OTHER ECONOMIC ACTIVITY IF ANY (FOR CODE 3 AND 4 IN COL 13)	USUAL ACTIVITY DURING LAST 12 Months	FIELD OF EDUCATION	LEVEL OF EDUCATION COMPLETED	EDUCATIONAL ATTENDANCE	LITERACY	NATION-ALITY	MOTHER TONGUE	RELIGION	MARITAL STATUS	AGE	SEX	RELATIONSHIP TO THE HEAD OF H.HOLD	NAME OF HOUSEHOLD MEMBER
		1	2	3	1	2	3														
1. Job not available 2. Just completed education 3. Fired by the employer / strike 4. Intends to run own business 5. Other reasons	1. Self Employed 2. Employee (Govt.) 3. Employee (Semi-Govt./ Autonomous) 4. Employee (Private) 5. Employer 6. Unpaid family worker (In case of entry, skip to col.19)	In this column write the activity of the organization/ establishment/business in which, he/she worked			In this column write the kind of work he/she usually did during the last 12 months.			1.Manufactured /Selling goods 2.Helped in farming 3.Helped in business 4.Teaching 5.Others 6.Did not work	1.Worked (including unpaid family helpers) 2. Seeking work 3. Student 4. House Keeping 5. Others (In case of code 2, skip to col.18)	1.General Edu. 2.Engineering/ Tech 3.Medical/ Health 4.Law 5.Agriculture/ Animal Husbandry 6.Business/ Commerce 7.IT/Computer 8.Teaching 9.Religious 0.Other fields	1. Below Primary 2. Primary 3. Middle 4. Matric or eqt. 5. Intermediate or eqt. 6. Graduate or eqt. 7. Master & Above 8. Diploma / Certificate 9. Other	1.Attending 2.Attended earlier 3. Never attended (In case of code 3, skip to col.13)	1.Literate (ability to read, write and do simple calculations) 2.Illiterate	1.Pakistani 2.Other	1. Urdu 2. Punjabi 3. Sindhi 4. Pushto 5. Balochi 6. Kashmiri 7. Saraiki 8. Hindko 9. Brahvi 0.Other	1.Muslim 2.Christian 3.Hindu 4.Qadiani / Ahmadi 5.Scheduled Castes 6.Other	1. Never Married 2. Married 3. Widow 4. Divorced (For the persons under 10 years enter code "1")	Write age in completed years in two digits (Enter 00 for age less than one year and 99 for 99 years and above)	1.Male 2.Female	1. Head 2. Spouse 3. Son/ Daughter 4. Son / Daughter in Law 5. Grand Son/ Daughter 6. Father/ Mother / Sister 7. Brother/ Sister 8. Other Relatives 9. Non-relatives	Write Names of all members of the Household, including persons present at dawn of census day and temporarily absent. (Those persons who are living away from their Household within the country or outside the country for employment, business or education will not be included) Entries of females and children must be ensured and name of all members of the Household be written in order as per instructions given in the manual.
18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1				

Female
 Male
 Total Persons

HOUSING CHARACTERISTICS

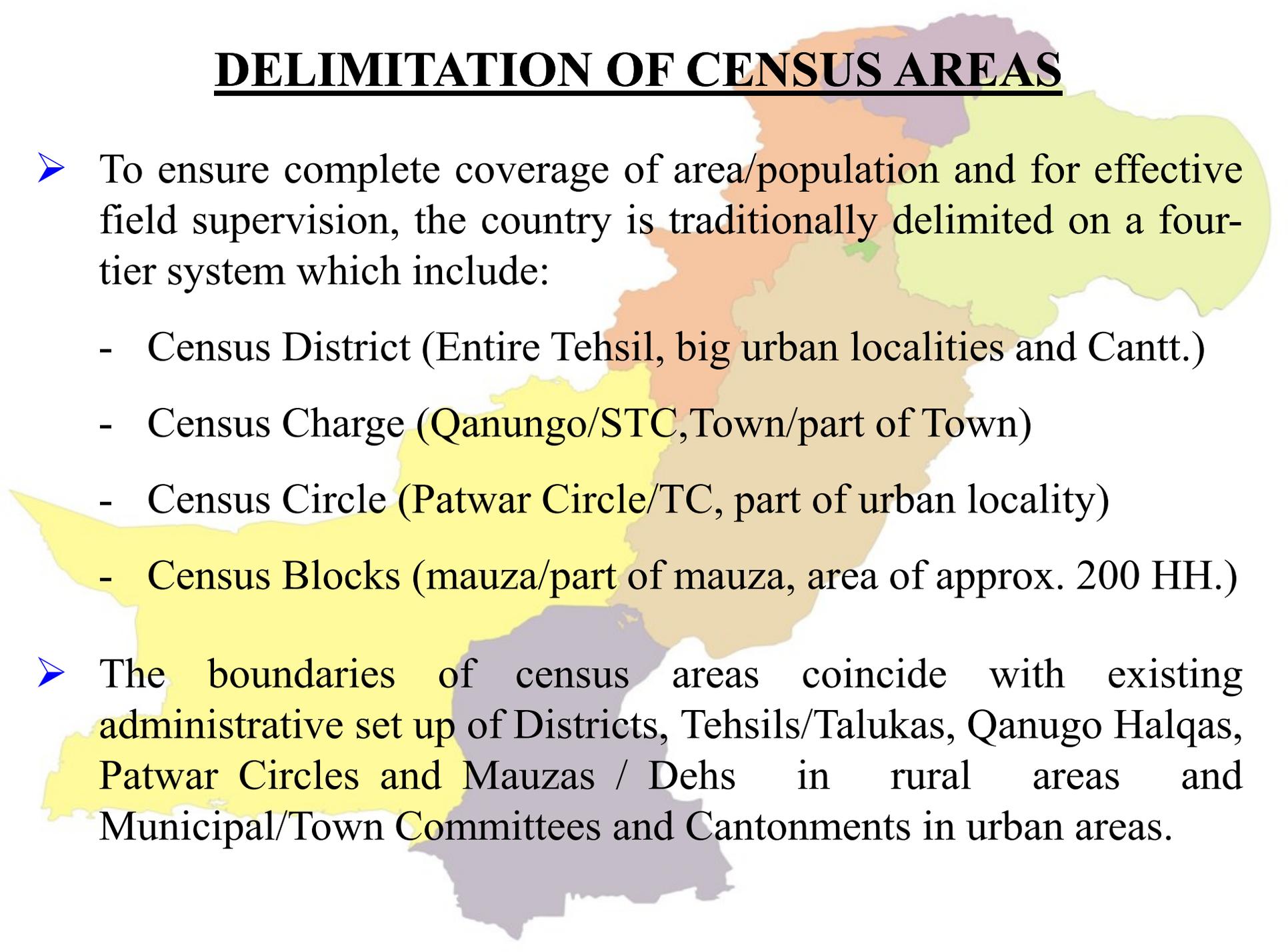
HOUSING CHARACTERISTICS						FOR DISABLED PERSONS		EVER MARRIED WOMEN 15 TO 49 YEARS (INCLUDING WIDOWED/DIVORCED)				FOR ALL PERSONS							
3 - NUMBER OF ROOMS	2 - SEX OF OWNER	1 - TENURE		FOR 18 YEARS AND ABOVE		REASON OF DISABILITY	NATURE OF DISABILITY	NUMBER OF CHILDREN BORN DURING LAST 12 MONTHS		TOTAL NUMBER OF CHILDREN BORN ALIVE		REASON OF MIGRATION FROM PREVIOUS DISTRICT	DISTRICT OF PREVIOUS RESIDENCE	DURATION OF CONTINUOUS RESIDENCE IN PRESENT DISTRICT	DISTRICT OF BIRTH				
<input type="text"/>	<input type="text"/> 1. Male <input type="text"/> 2. Female	<input type="text"/> 1. Owned <input type="text"/> 2. Rented <input type="text"/> 3. Rent Free	CNIC Holder		1. By Birth	1. Impaired in Seeing 2. Impaired in Speaking and Hearing 3. Physical Disability 4. Mentally Retarded 5. More than one disability	Still Alive	Born Alive	Still Alive	Ever Born Alive	1. Study 2. Marriage 3. Moved with head 4. Business 5. Job / Transfer 6. Returned home 7. IDP 8. Other	Write name of district of previous residence and fill the circle of 'U' for urban or 'R' for rural.	1. Less than 1 year 2. 1 year to 4 years 3. 5 years to 9 years 4. 10 years and above 5. Since birth	In case of Pakistan, write name of the district of birth and fill the circle of 'U' for urban or 'R' for rural.					
5 - CONSTRUCTION MATERIAL USED IN ROOF		4 - YEAR BUILT		1. Yes 2. No	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19
1. R.C.C./R.B.C 2. Cement / Iron sheet 3. Gader / T. Iron 4. Wood / Bamboo 5. Other		1. Baked Bricks / Blocks / Stone 2. Un-Baked Bricks / Mud 3. Wood / Bamboo 4. Other		1. Under Construction 2. Less than 5 Years 3. 5 to 10 Years 4. 11 to 50 Years 5. Over 50 Years															
6 - SOURCE OF DRINKING WATER																			
OUTSIDE			INSIDE																
1. Tap 2. Elect. pump / Hand pump 3. Protected well 4. Unprotected well 5. Spring 6. Canal / River / Pond 7. Other			1. Tap 2. Elect. pump / Hand pump 3. Protected well 4. Unprotected well 5. Other																
9 - KITCHEN	8 - FUEL		7 - SOURCE OF LIGHT																
1. Separated 2. Shared 3. None	1. Wood 2. Gas 3. Kerosene Oil 4. Other		1. Electricity 2. Kerosene Oil 3. Gas Lamp 4. Other																
11 - LATRINE			10 - BATHROOM																
4. Pit with slab 5. Other 6. None			1. Con. with Sewerage 2. Con. with Septic Tank 3. Con. with open Drain																
12 - MEANS OF INFORMATION / COMMUNICATION																			
COMPUTER / INTERNET	MOB. PHONE	TELEPHONE	NEWSPAPER	T.V	RADIO														
1. Yes 2. No	1. Yes 2. No	1. Yes 2. No	1. Yes 2. No	1. Yes 2. No	1. Yes 2. No														
13 - HAS ANY HOUSEHOLD MEMBER/S LIVED ABROAD FOR 6 MONTHS OR MORE?																			
Female <input type="text"/>				Male <input type="text"/>		If "Yes" give Number		1. Yes 2. No											

Name of Respondent _____

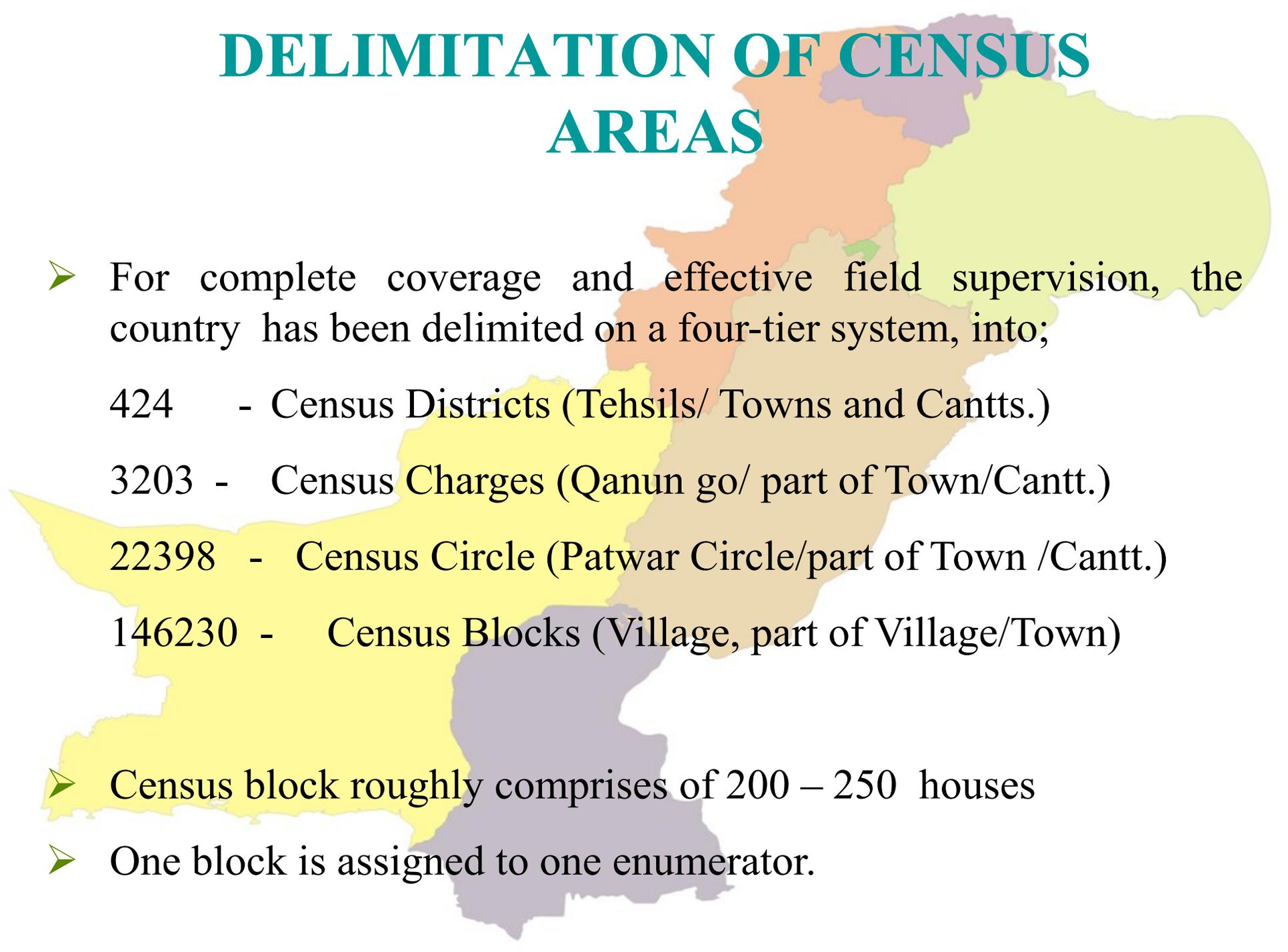
<input type="text"/>																			
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CNIC NO. Continued

DELIMITATION OF CENSUS AREAS

- 
- To ensure complete coverage of area/population and for effective field supervision, the country is traditionally delimited on a four-tier system which include:
 - Census District (Entire Tehsil, big urban localities and Cantt.)
 - Census Charge (Qanungo/STC, Town/part of Town)
 - Census Circle (Patwar Circle/TC, part of urban locality)
 - Census Blocks (mauza/part of mauza, area of approx. 200 HH.)
 - The boundaries of census areas coincide with existing administrative set up of Districts, Tehsils/Talukas, Qanungo Halqas, Patwar Circles and Mauzas / Dehs in rural areas and Municipal/Town Committees and Cantonments in urban areas.

DELIMITATION OF CENSUS AREAS



- For complete coverage and effective field supervision, the country has been delimited on a four-tier system, into;
 - 424 - Census Districts (Tehsils/ Towns and Cantts.)
 - 3203 - Census Charges (Qanun go/ part of Town/Cantt.)
 - 22398 - Census Circle (Patwar Circle/part of Town /Cantt.)
 - 146230 - Census Blocks (Village, part of Village/Town)
- Census block roughly comprises of 200 – 250 houses
- One block is assigned to one enumerator.

BREAKUP OF CHARGE / CIRCLE / BLOCK FOR URBAN AREAS

CHARGE/CIRCLE/ BLOCKS SETUP	COMPRISING OF
CENSUS CHARGE	5 TO 7 CIRCLES
CENSUS CIRCLE	5 TO 7 BLOCKS
CENSUS BLOCK	200 TO 250 HOUSES

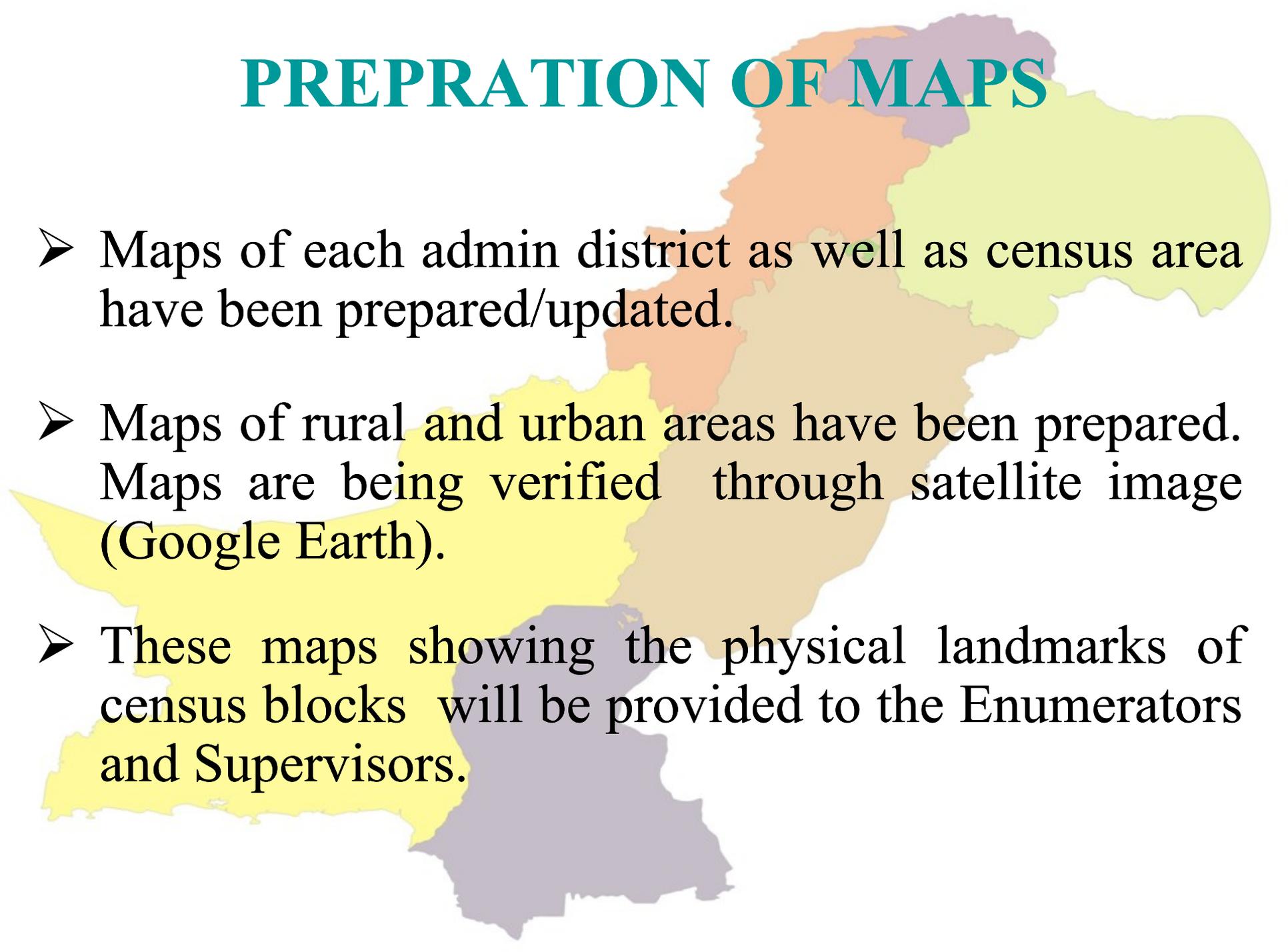
BREAKUP OF CHARGE/ CIRCLE/ BLOCK FOR RURLS AREAS

CHARGE/CIRCLE/ BLOCK SETUP	COMPRISING OF
CENSUS CHARGE	NO. OF PATWAR CIRCLES
CENSUS CIRCLE	NO. OF MAUZAS
CENSUS BLOCK	EACH MAUZA/DEH/VILLAGE UPTO 200-250 HOUSES. LARGE MAUZAS ARE DIVIDED INTO TWO OR MORE BLOCKS OF 200 TO 250 HOUSES.

CENSUS AREAS BY ADMN. UNITS FOR POPULATION AND HOUSING CENSUS 2011

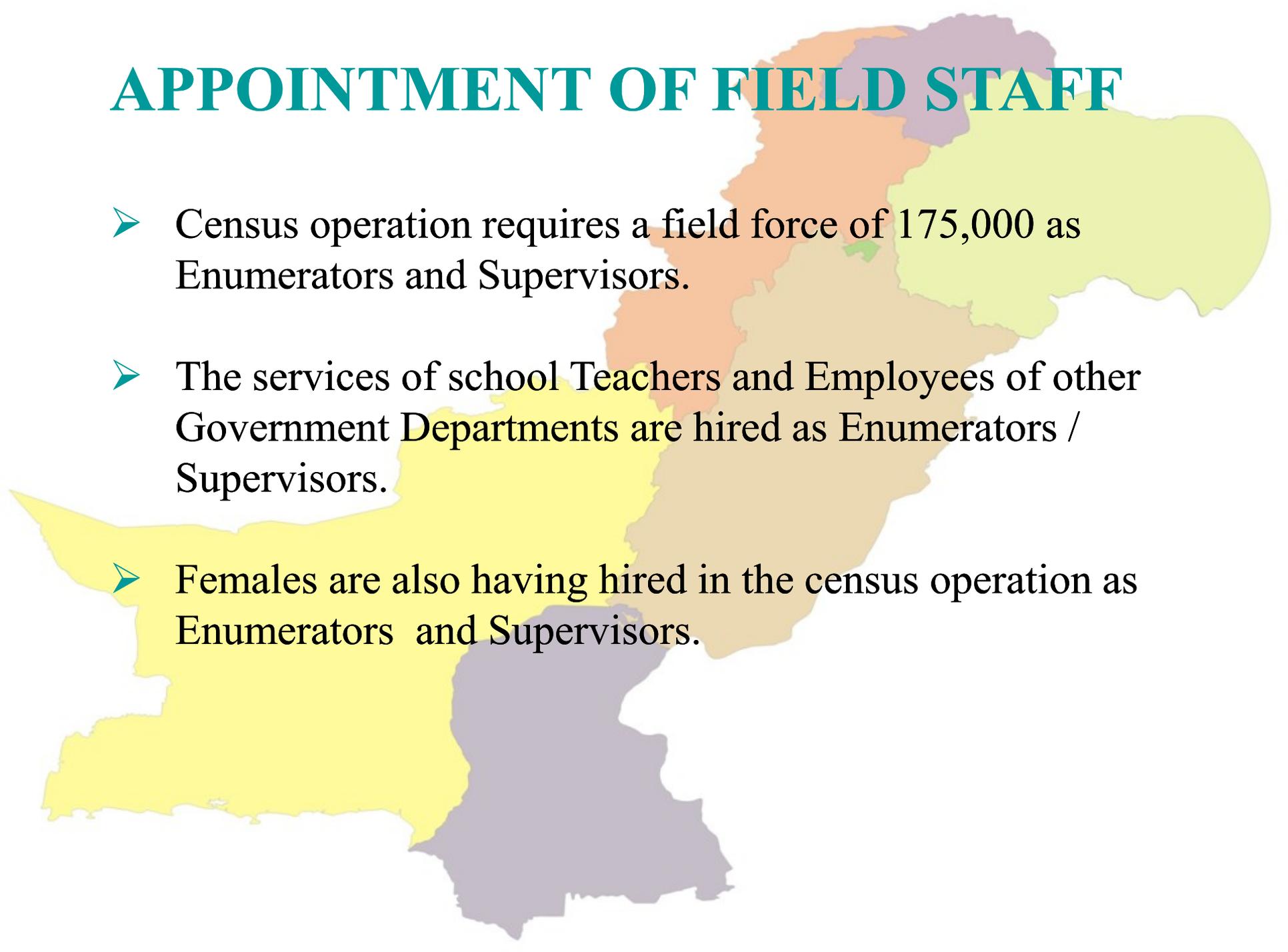
Admn. Area	Admn. Distt.	Census District	Census Charges	Census Circles	Census Blocks
Kh. Pakhtunkhwa	25	78	336	2274	19843
FATA	7	7	48	288	3797
Punjab	36	158	1542	11224	72213
Sindh	23	129	875	7194	35284
Balochistan	30	34	265	725	9142
Islamabad	1	1	14	107	860
AJK	10	10	88	445	3893
GB	7	7	35	141	1198
Total	139	424	3203	22398	146230

PREPARATION OF MAPS



- Maps of each admin district as well as census area have been prepared/updated.
- Maps of rural and urban areas have been prepared. Maps are being verified through satellite image (Google Earth).
- These maps showing the physical landmarks of census blocks will be provided to the Enumerators and Supervisors.

APPOINTMENT OF FIELD STAFF



- Census operation requires a field force of 175,000 as Enumerators and Supervisors.
- The services of school Teachers and Employees of other Government Departments are hired as Enumerators / Supervisors.
- Females are also having hired in the census operation as Enumerators and Supervisors.

TRAINING OF FIELD STAFF

- Training is an important aspect in the execution of census and collecting accurate data. Quality of census data depends on proper training of field staff
- A core of master trainers (12 – 15) taken from senior officers of PCO is prepared and trained.
- Master trainers train about 650 trainers taken from BPS-17 officers of PCO, FBS and Education Department.
- These trainers will impart training to approx. 175 thousand Enumerators and Supervisors at District and Tehsil level in about one month time.
- Manual of instructions have been prepared for Enumerators and Supervisors.

ENUMERATION ACTIVITIES

- House numbering / household listing to identify residential and non-residential units (commercial, educational, etc.) and to prepare inventory of households.
- Census enumeration through door to door visit and interaction of enumerator with the head or responsible member of household.
- Supervision/monitoring to ensure accuracy in recording of information. Each supervisor to fill certain number of forms of each block independently.
- Retrieval of filled-in documents according to delimitation of areas under security cover.

FIELD OPERATION PLAN

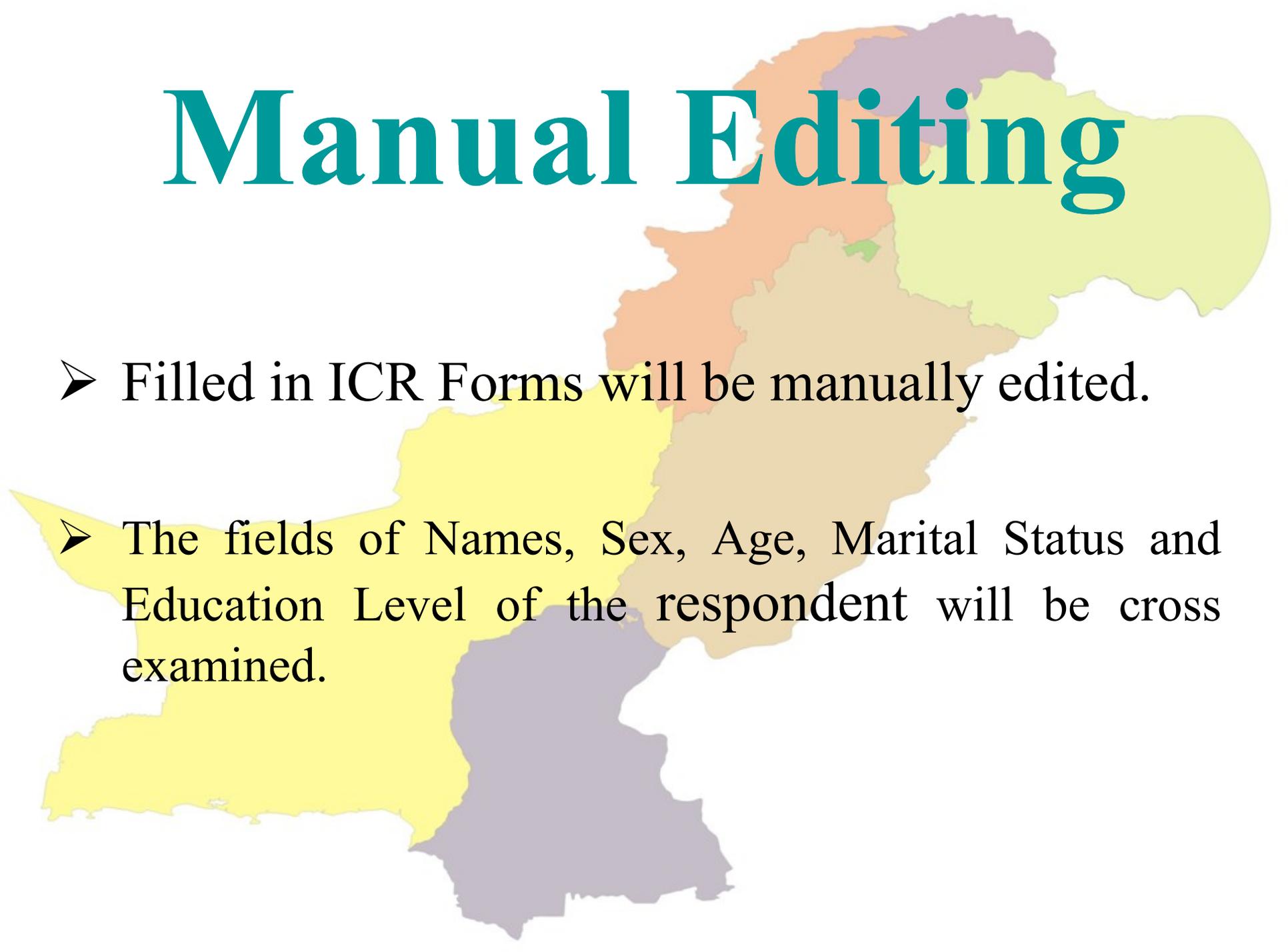
Field Operational Plan for all field activities has been prepared for guidance of Census Officer/Supervisory staff highlighting the following:-

- i. The role/responsibilities of all the field staff i.e DCOs, CDOs down to the level of Enumerator.
- ii. The Geographic/Cartographic activities such as up-dating of area list, updating of maps, delimitation of census area, etc.
- iii. Appointment of field staff i.e., CDOs, Charge Superintendents, Circle Supervisors & Enumerators.
- iv. Arrangement for the training of field staff (Supervisors and Enumerators)
- v. Distribution of training / census field used material.
- vi. Census enumeration such as house listing, big count and sample count.
- vii. Retrieval of census material.

PUBLICITY

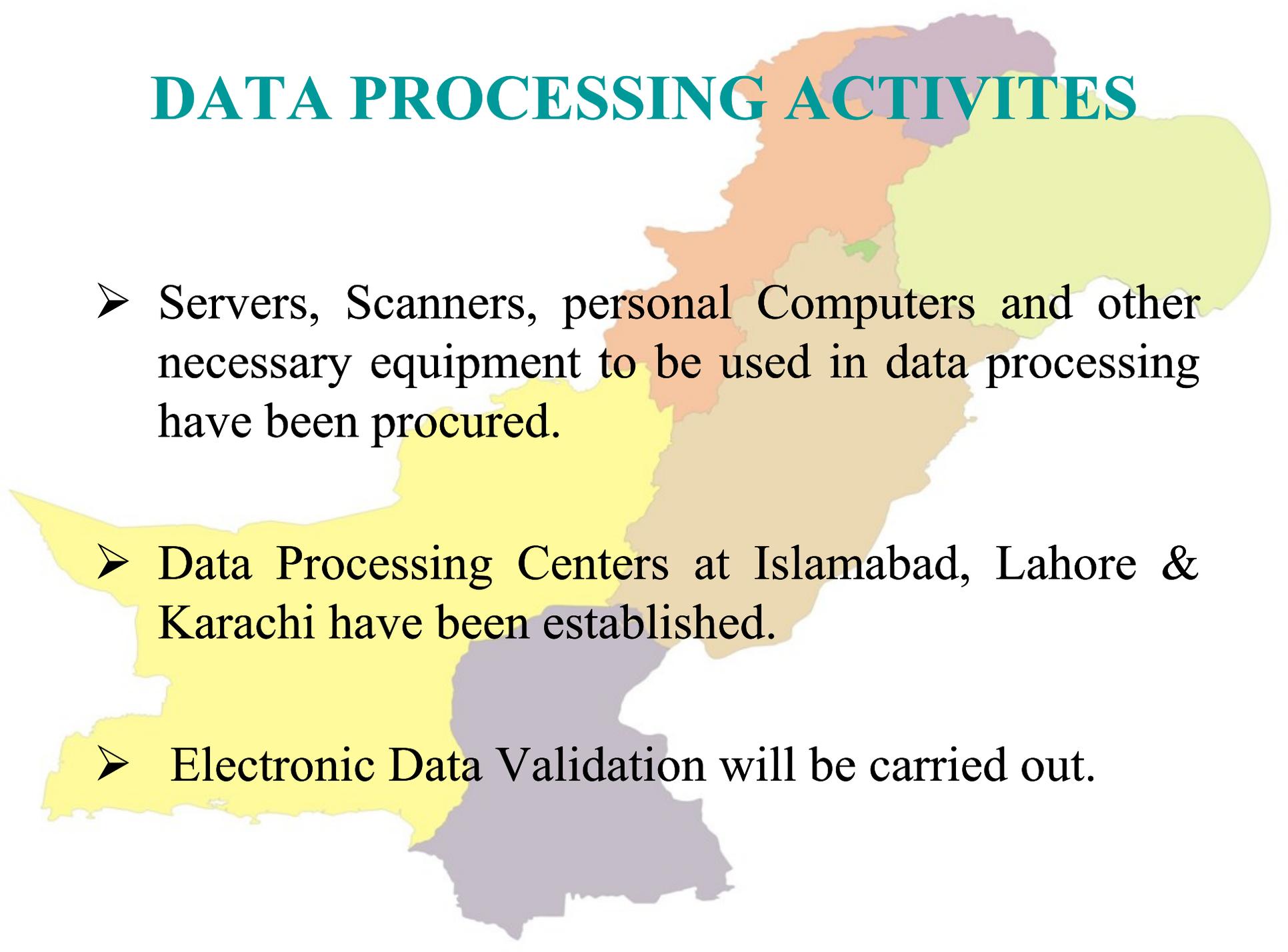
- Publicity plays an important role in projecting the importance of census. An effective plan need to be launched to educate the people for their greater participation and to motivate the field staff.
- A comprehensive plan will be implemented through Ministry of Information which will include interviews by Secretary, Messages of the President and Governors, Jingle on Census, advertise-papers, etc.
- Sensitization workshops will be held at Provincial capitals to brief the Provincial functionaries and seek their cooperation.
- Similar orientation workshops will be held for the census district officers at regional level.
- Publicity material (posters, brief news, advertisements, etc.,) will be prepared and displayed throughout the enumeration period .

Manual Editing



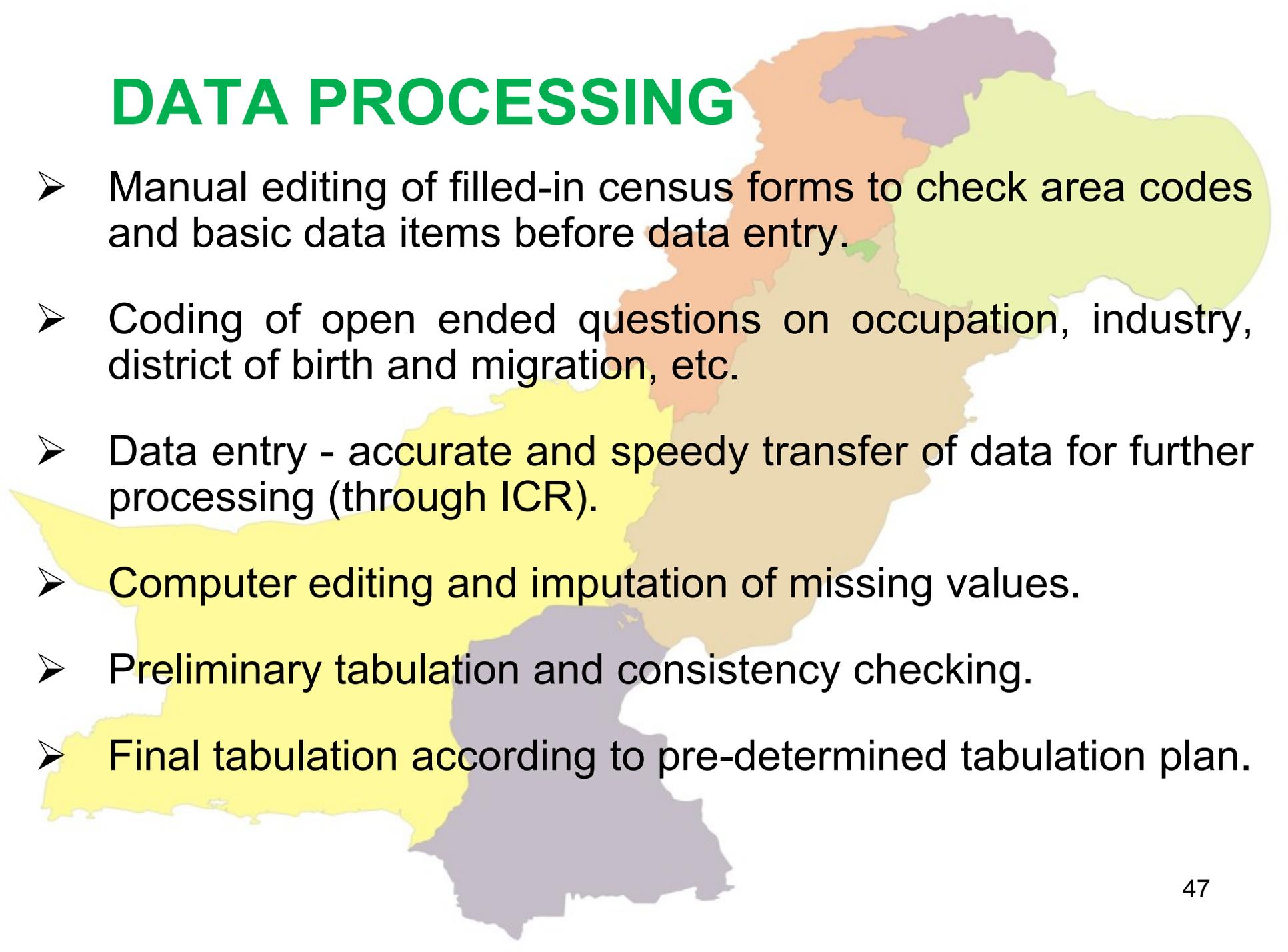
- Filled in ICR Forms will be manually edited.
- The fields of Names, Sex, Age, Marital Status and Education Level of the respondent will be cross examined.

DATA PROCESSING ACTIVITIES



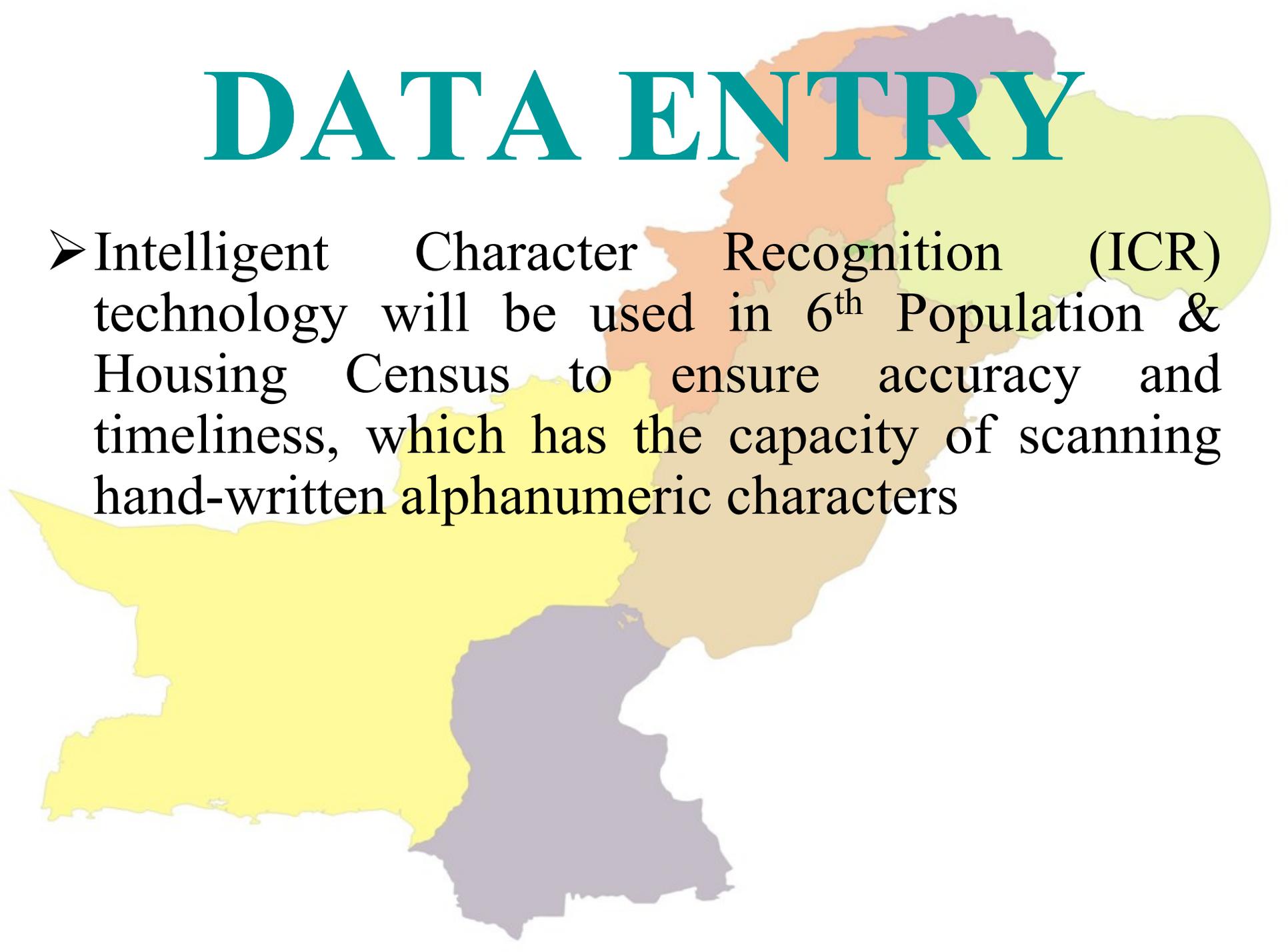
- Servers, Scanners, personal Computers and other necessary equipment to be used in data processing have been procured.
- Data Processing Centers at Islamabad, Lahore & Karachi have been established.
- Electronic Data Validation will be carried out.

DATA PROCESSING



- Manual editing of filled-in census forms to check area codes and basic data items before data entry.
- Coding of open ended questions on occupation, industry, district of birth and migration, etc.
- Data entry - accurate and speedy transfer of data for further processing (through ICR).
- Computer editing and imputation of missing values.
- Preliminary tabulation and consistency checking.
- Final tabulation according to pre-determined tabulation plan.

DATA ENTRY



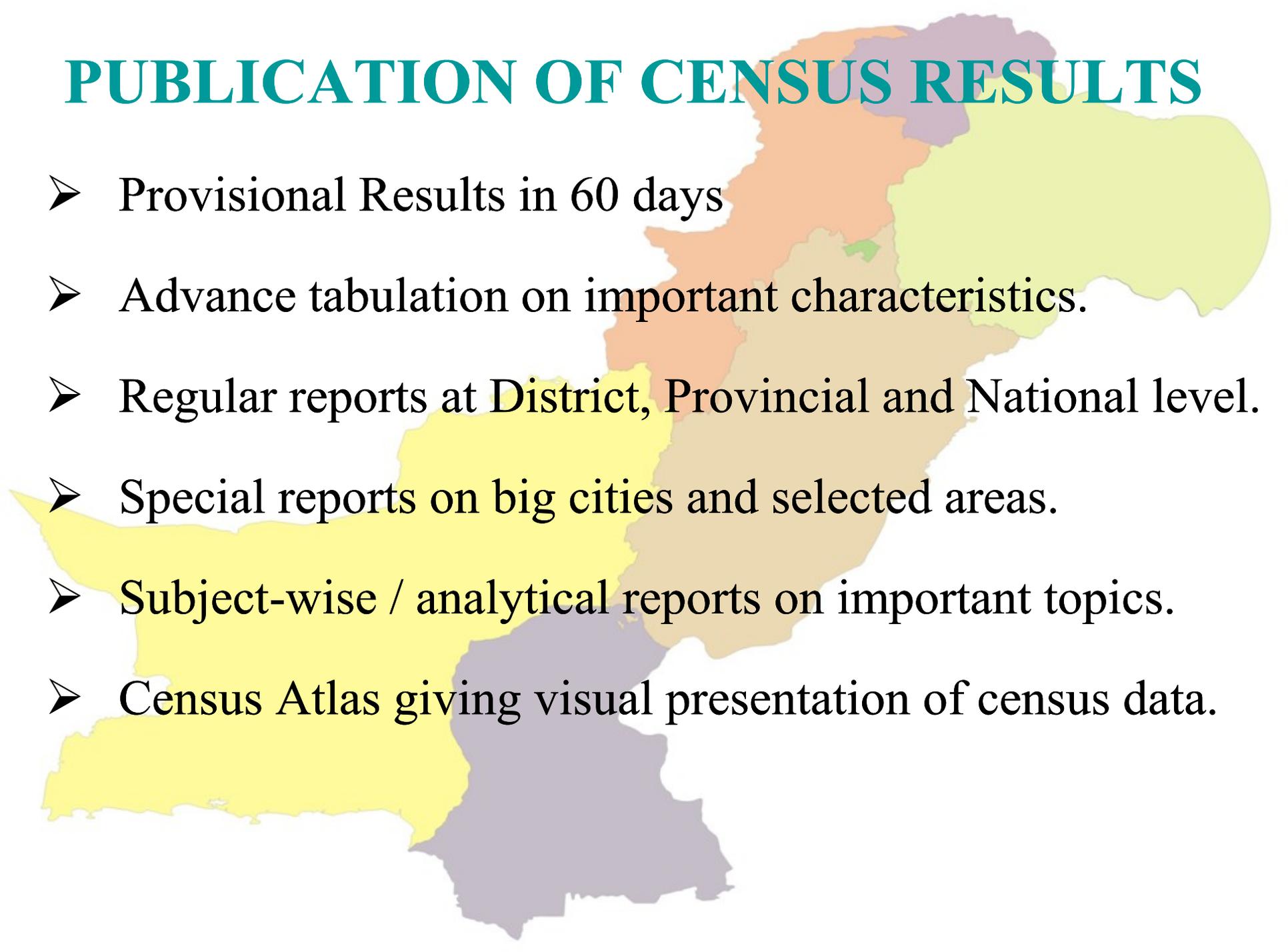
- Intelligent Character Recognition (ICR) technology will be used in 6th Population & Housing Census to ensure accuracy and timeliness, which has the capacity of scanning hand-written alphanumeric characters

TABULATION PLAN



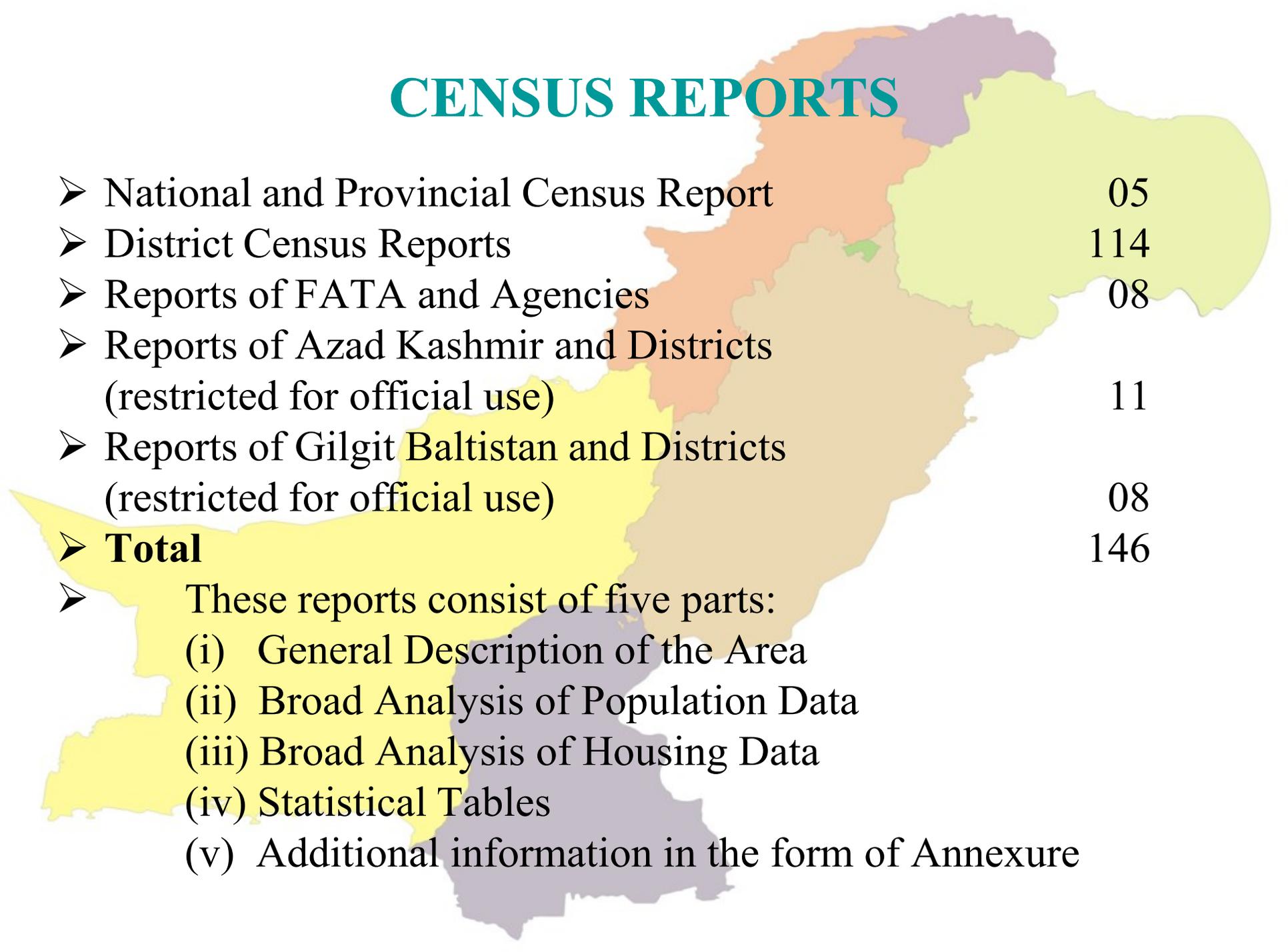
- Tabulation Plan of 6th Population & Housing Census has been prepared comprising 46 Tables for Population Characteristics and 14 Tables for Housing Characteristics.

PUBLICATION OF CENSUS RESULTS



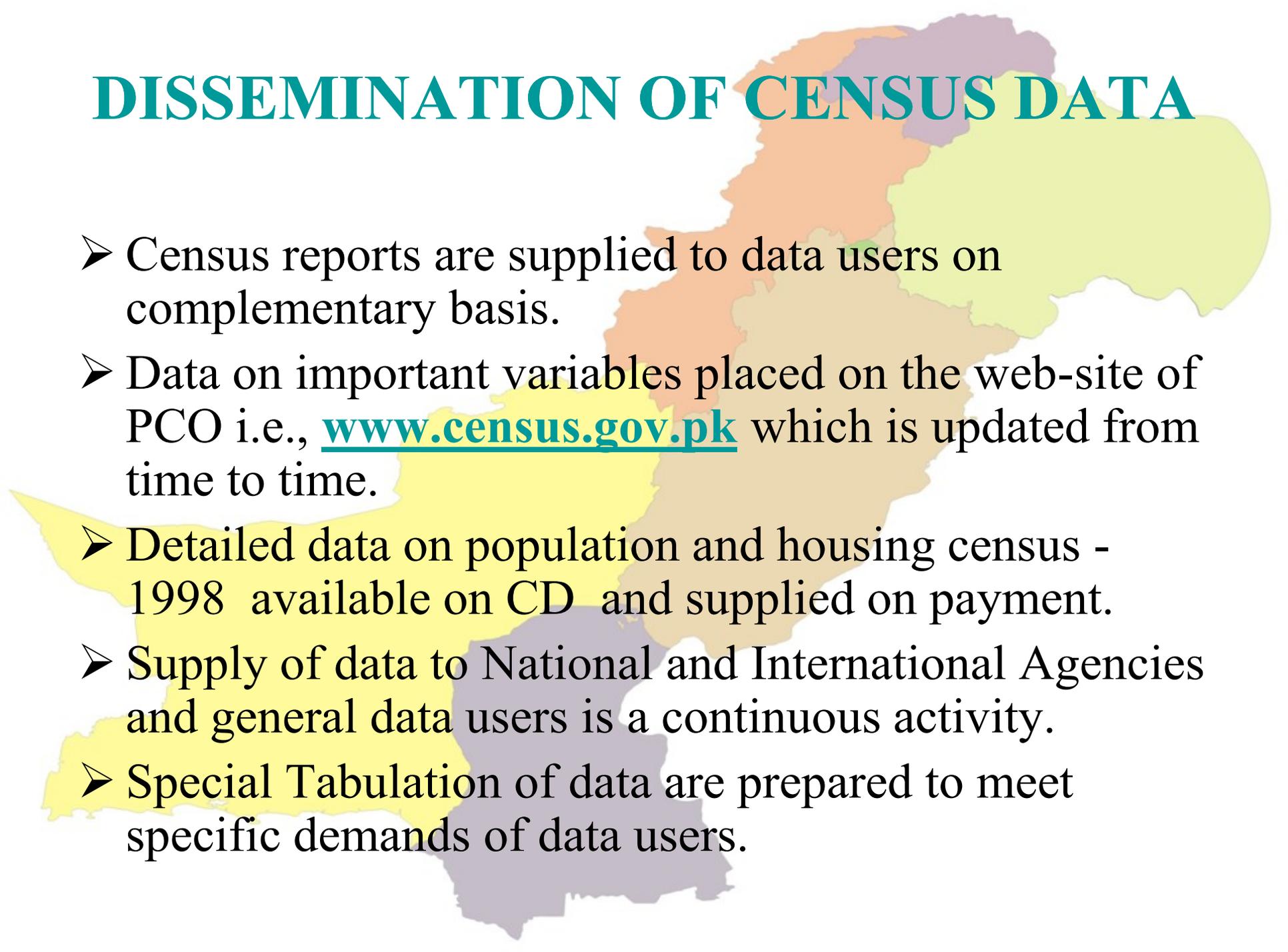
- Provisional Results in 60 days
- Advance tabulation on important characteristics.
- Regular reports at District, Provincial and National level.
- Special reports on big cities and selected areas.
- Subject-wise / analytical reports on important topics.
- Census Atlas giving visual presentation of census data.

CENSUS REPORTS



- National and Provincial Census Report 05
- District Census Reports 114
- Reports of FATA and Agencies 08
- Reports of Azad Kashmir and Districts
(restricted for official use) 11
- Reports of Gilgit Baltistan and Districts
(restricted for official use) 08
- **Total** 146
- These reports consist of five parts:
 - (i) General Description of the Area
 - (ii) Broad Analysis of Population Data
 - (iii) Broad Analysis of Housing Data
 - (iv) Statistical Tables
 - (v) Additional information in the form of Annexure

DISSEMINATION OF CENSUS DATA



- Census reports are supplied to data users on complementary basis.
- Data on important variables placed on the web-site of PCO i.e., www.census.gov.pk which is updated from time to time.
- Detailed data on population and housing census - 1998 available on CD and supplied on payment.
- Supply of data to National and International Agencies and general data users is a continuous activity.
- Special Tabulation of data are prepared to meet specific demands of data users.



THANKS