भारत के महारजिस्ट्रार का कार्यालय
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OFFICE OF THE REGISTRAR GENERAL ,INDIA
Government of India, Ministry of Home Affairs
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2011

No. 9 /22/2013-CD

Dated: 22.10.2013

To

All the Directors of Census Operations,

CENSUS OF INDIA 2011 – TABULATION CIRCULAR No...38

Sub: Instructions for preparation of A-Series Tables

Sir/Madam,

In continuation of Tabulation Circular No. 1 forwarding instructions for preparation of Table A-2 and its Appendix, I am enclosing herewith instructions for preparation of other important A-Series Tables viz. Table A-1, A-3 and A-4. Tables A-1 and A-3 alongwith appendices will be generated in ORGI and sent to DCOs in due course of time. This circular, therefore, mainly focuses on the compilation and presentation of Table A-4. The instructions for compilation is more or less similar to the instructions issued for the 2001 Census.

For the purpose of preparing Tables A-4, a few compilation sheets have been prescribed. These compilation sheets are indicative in nature. The data related to UA/Towns for 2011 has already been released so, you are requested to use the same for compilation.

It is suggested that a small team of experienced persons of your directorate for the preparation of Table A-4 may be constituted to handle this work if not done so far and Table A-4 alongwith appendices and statements may be sent to Census Division of this office for scrutiny and finalization.

Please acknowledge the receipt of this circular.

Yours faithfully,

Census cell

(Dr. C. Chandramouli)
Registrar General and
Census Commissioner, India

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No. 9/22/2013-CD

New Delhi-110066

Dated: 22-10-2013

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(R.L.Meena)
Deputy Director of Census Operations

INSTRUCTION FOR PREPARATION OF A-SERIES GENERAL POPULATION TABLES

The procedure for compilation of Table A-2 and its appendix has already been explained in the Tabulation Circular No.1. The compilation of Table A-2 and its appendix must have been completed by now. The Primary Census Abstracts are ready and it would be necessary to urgently compile the other three General population Tables namely A-1, A-3 and A-4. The Tables A-1 and A-3 will be generated by the office of the RGI and provided to the Directorates for checking and preparation of statements that will go alongwith these tables in the publication. The formats of Tables A-1, A-3 and A-4 and their appendices are given at Annexure – 1 to Annexure -3.

Table A-4 presents towns and urban agglomerations classified by population size-class in 2011 with variations since 1901. In this table all the towns and urban agglomerations of the 2011 Census will be presented in descending order of their 2011 population under the following six population size-classes:

Class I	-	Population	100,000 and above
Class II	-	Population	50,000 to 99,999
Class III	-	Population	20,000 to 49,999
Class IV	-	Population	10,000 to 19,999
Class V	-	Population	5,000 to 9,999
Class VI	-	Population	less than 5,000

Each urban agglomeration will be treated as a single unit for such classification, i.e the total population of the urban agglomeration will determine its size-class and its position among all towns/U.As. However, under each U.A, each of its component units will be listed with area and population in descending order with variations since 1901.

The first step for the preparation of this table is to arrange towns and urban agglomerations in descending order of their 2011 population. All the urban agglomerations and towns (which are not part of a U.A , here after would be called independent town) should first be grouped under each size –class in compilation sheet at Annexure - 4 (a) and the 2011 population noted against each. Then within each size-class they should be arranged in descending order of population in compilation sheet at Annexure - 4(b) . In these two compilation sheets the components should also be listed under each urban agglomeration. In the second compilation sheet at Annexure - 4 (b) the area and sex wise breakup of population will also be noted. The totals of 2011 population (persons, males and females) should be struck in this sheet for each class of town. This sheet will provide the urban agglomerations and towns of the 2011 Census arranged in order of population size class for Table A-4.

Table A-4 may now be prepared. The names of urban agglomerations and tow from compilation sheet at Annexure-4 (b) should be copied in the same order into column 2 of Table A-4. The 2011 Census figures of area and population should also be copied from the compilation sheet into columns 6,7,10 and 11. For the years 1901 to 2001 the area (1961 onwards) and population figures for each town as a separate independent unit or as a component of an urban agglomeration are available in Table A-4 of 2001 Census and these may be copied into the Columns 6,7,10 and 11. The figures for urban agglomerations as a whole may be computed by adding the area and population figures of all the available components for each census. Column 8 and 9 are to be computed thereafter. The decadal variation for each census year is the increase or decrease in population over the previous census and will be computed by subtracting the population of the previous census and will be shown with a '+' or '-'sign. The percentage decadal variation is the ratio of the decadal variation to the population at the previous census. This may be computed for each of the census years 1911 to 2011 from columns 8 and 7 and recorded up to two place of decimal with the same sign (+ or -) . This completes all the columns of Table A-4. What remains is the class totals of population for the various census years.

The next step is to compute the population totals for each size-class from 1901 to 2001. As mentioned above each urban agglomeration will be treated as one unit and each independent town as a separate unit. The class totals of the 2011 population of all urban agglomerations and towns under each class of town, as struck in compilation sheet at Annexure - 4 (b) should be copied into Table A-4.

To derive the class totals for the census years 1901 – 2001 some computations have to be made. The class totals for any past census year will not be the total of respective population of all towns given in the size-class of 2011. These will be the totals of population of all towns which on the basis of populations were included in that class in previous censuses except the towns which are the constituents of urban agglomerations. Thus though any town or urban agglomeration will appear in the Table A-4 under the size-class to which it belongs according to its 2011 population, for class totals the town/urban agglomeration will be grouped in the class to which it belongs according to its population size in the respective census year. For the class totals of past census years, an urban agglomeration of the 2011 Census will be treated as a single unit and population of its constituent units, if they were urban will be added to and its class redetermined for previous years. Where an urban area of 2001 might have been merged with a town in the 2011 Census, the population of the whole town as constituted in the 2011 Census will determine the size-class for the previous census year. However, where a rural area of 2001 has been merged with a town in the 2011 Census, the population of the population of the corresponding area only at any past census will not be taken into account to determine its size-class in that census as it was rural at that time. In other words, the population of the rural areas will not be added to the population of the town for 2001, 1991, ...1901 census years.

The class totals for these years as given in Table A-4 of the 2001 Census form a convenient starting point for the computations. These totals will have to be adjusted for changes in the list of towns and urban agglomerations and their constituents units between the 2001 and 2011 Censuses.

The changes in the list of towns and urban agglomerations between 2001 and 2011 censuses can be of 3 types.

1. Newly constituted urban agglomeration of the 2011 Census which did not exist in 2001.
2. Urban agglomeration of the 2001 Census which is no more an urban agglomeration in the 2011 Census : and
3. Urban agglomeration of the 2001 Census which continue to be an urban agglomeration in 2011, but whose constitution has changed, due to
   i) Inclusion of one or more towns
   ii) Exclusion of one or more towns
   iii) Inclusion of some towns and exclusion of some others.

In case of newly constituted urban agglomeration of the 2011 Census, the class totals for 1901 to 2001 as given in Table A-4 of the 2001 Census will have to be adjusted by adding the population of the new urban agglomeration or inclusion of any constituent unit in the appropriate size-class and also subtracting the population of the excluded constituent units from the respective size-class totals.

For an urban agglomeration of the 2001 Census which is no more an urban agglomeration in the 2011 Census, exactly the reverse adjustment has to be made, viz, to subtract the population of the urban agglomeration from the appropriate size-class totals of the respective census years and to add the population of the constituents, units in the appropriate size-class for that year. For urban agglomerations of the 2001 and 2011 Censuses with changed constituents, the population of the urban agglomeration as constituted at the 2001 Census will have to be subtracted from the appropriate size-class total for the previous census years and the population of the urban agglomeration as constituted at the 2011 Census will have to be added to the appropriate size - class for that year. Also, for the constituent towns of the 2001 Census which have been excluded in 2011 the population of each town will have to be added to the appropriate size-class for newly added constituents towns, their population has to be subtracted from the respective appropriate size-class for that census year, provided the new constituent unit was urban in the relevant census.

Before making these adjustments, it is first necessary to list out the changes in urban agglomerations and their constituents between the 2001 and 2011 Censuses. The new urban agglomerations of the 2011 Census and the urban agglomerations which are no more urban agglomerations in 2011 and their constituent units should be listed separately in the compilation sheets at Annexure – 4(c) and 4(d). Against each urban agglomerations and its constituent units the population at each census 1901-2001 may be recorded by extracting these figures from Table A-4 of the 2001 Census. For urban agglomerations existing in 2001 as well as in 2011, to identify the changes in their constitution a comparative chart in compilation sheet at Annexure - 4(e) must be prepared. Each of such urban agglomerations alongwith its constituent units as in 2011 and 2001 should be listed in columns 1 and 2. By comparing the constituent units in columns 1 and 2, the newly included constituents and the constituents excluded in 2011 can be identified. These must be listed in columns 4 and 5 and their population in past census years must be entered in columns 7 to 17, as extracted from Table A-4 in 2001.

After identification of the 3 types of changes in urban agglomerations and their constituents, the adjustments to class totals of area and population of past censuses should be made in the format at Annexure-4(f). In this compilation sheet under each class, the class totals (area & population) as in Table A-4 of the 2001 Census should be copied first for all the years 1901 to 2001. Then taking one by one the U.A in the compilation sheets at Annexure - 4 (c) , 4 (d) and 4 (e) , the area and population of the U.A and the area and population of each constituent town at the past censuses may be entered in the appropriate size-class for each census year. Whether the area and population is to be added or subtracted from the class totals in Table A-4 of the 2001 Census should be indicated by a `+' or `-' sign.

The net adjustment in each size-class may be obtained by adding the entries (algebraically) having regard to the sign. The net adjustment may be further added to the class totals as in Table A-4 of the 2001 Census. This will give the class totals for past censuses for Table A-4 of the 2011 Census.

These Annexures enable you to identify the constituent units and their population in different censuses. With the help of these figures suitable adjustment has to be made.

After preparing the Table A-4, Statement-1 and 2 may be prepared, the formats of which are enclosed. Statement-1 shows the total population of towns/urban agglomerations falling in a particular size-class in 2011, in the years 2001,1991, 1981....1901. For example, if in a State there are 7 urban agglomerations and 2 towns in size-class II in 2011, this statement will give the population of these 7 urban agglomerations and 2 towns for the previous census years provided they were urban.

Statement-2 shows the number of towns/ urban agglomerations as published in each census in each of the size-class.

Apart from above two statements thirteen other statements are to be prepared accordingly as published in Table A-4 of 2001 Census.

TABLE A-4 APPENDIX–1 NEW TOWNS ADDED IN 2011 AND TOWNS OF 2001 DECLASSIFIED IN 2011

The lists of new towns of 2011 and the towns of the 2001 Census declassified in 2011 will have been prepared in respect of each State/Union Territory. Appendix-1 will be prepared by extracting the area (in Km2) and population of new towns added in 2011 from Table A-4 of 2011, and the village PCA of 2001 and copying into columns 2 to 6. Similarly, the area and population of towns of the 2001 Census declassified in 2011 will be extracted from Table A-4 of the 2001 Census and the village PCA of 2011 and copying into columns 7 to 11.

APPENDIX-2 CHANGES IN AREA OF TOWNS BETWEEN 2001-2011 AND REASONS THERE OF

In this appendix all places which are towns both in the 2001 and 2011 censuses but whose area in different in the two censuses will be covered. All such towns will be identified from Table A-4 by change in area in column 6 between 2001 and 2011. The 2001 and 2011 area will be extracted from Table A-4 and copied into column 3 to 4 of this appendix. The reasons for the change in area for each of these towns will be entered in column 5.

Annexure-I

A-1 NUMBER OF VILLAGES, TOWNS, HOUSEHOLDS, POPULATION AND AREA

India/ State/ District/ Tahsil/ U.A./ City/ Town	Total/ Rural/ Urban	Number of villages		Number of towns	Number of households	Population			Area in square kilometre	Population per square kilometre
		Inhabited	Uninhabited			P	M	F		
1	2	3	4	5	6	7	8	9	10	11

A-1 APPENDIX

CHANGES IN TERRITORIAL UNITS DURING 2001-2011

State/ District/ Tahsil at 2011	2001 Territorial unit	Territory added and its area @		Name of State/ District/ Tahsil etc., from which this area is reduced	Territory reduced and its area @		Name of State/ District/ Tahsil etc., to which area is added	Net area change in square kilometre (+ or -)
		Name	Area in square kilometre		Name	Area in square kilometre		
1	2	3	4	5	6	7	8	9

@ State and district area figures are based on the data provided by Surveyor General of India. Tahsil area figures are based on the data provided by the appropriate State authorities.

Annexure

A-3 NUMBER OF INHABITED VILLAGES BY POPULATION, SIZE AND CLASS

India/ State/ District/ Tahsil	Total number of inhabited villages	Total rural population			Less than 200				200-499				500-999			
		P	M	F	Number of Villages	Population P	M	F	Number of Villages	Population P	M	F	Number of Villages	Population P	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

	1,000-1,999				2,000-4,999				5,000-9,999				10,000 and above			
	Number of Villages	Population P	M	F	Number of Villages	Population P	M	F	Number of Villages	Population P	M	F	Number of Villages	Population P	M	F
	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33

Annexure-5

A-3 APPENDIX

NUMBER AND POPULATION OF VILLAGES WITH POPULATION OF 5,000 AND ABOVE AND TOWNS WITH POPULATION BELOW 5,000

India/ State/ District/ Tahsil	Villages with population 5,000 and above			Towns with population below 5,000		
	Number	Population	Percentage to rural population of India/ State/ District/ Tahsil	Number	Population	Percentage to urban population of India/ State/ District/ Tahsil
1	2	3	4	5	6	7

Annexure - I

A-4 TOWNS AND URBAN AGGLOMERATIONS CLASSIFIED BY POPULATION SIZE CLASS IN 2011 WITH VARIATION SINCE 1901

Serial number	Name of Town/ Urban Agglomeration	India/ State/ District	Census year	Urban status	Area in square kilometre	Persons	Variation since the preceding census		Males	Females
							Absolute	Percentage		
1	2	3	4	5	6	7	8	9	10	11
			(Class of Towns and number of Towns/ Urban Agglomerations in that class)							
			1901							
			1911							
			1921							
			1931							
			1941							
			1951							
			1961							
			1971							
			1981							
			1991							
			2001							
			2011							

Population size-classes:

Class I - 100,000 and above
M1 (100,000-199,999)
M2 (200,000-299,999)
M3 (300,000-499,999)
M4 (500,000-999,999)
M5 (1,000,000-1,999,999)
M6 (2,000,000-4,999,999)
M7 (5,000,000 and above)

Class II - 50,000 - 99,999
Class III - 20,000 - 49,999
Class IV - 10,000 - 19,999
Class V - 5,000 - 9,999
Class VI - Less than 5,000

Annexure

A-4 APPENDIX - 1

NEW TOWNS ADDED IN 2011 AND TOWNS OF 2001 DECLASSIFIED IN 2011

State/ District	New towns added in 2011					Towns of 2001 declassified as rural in 2011				
	Name of town	Urban status	Area in square kilometre	Population		Name of town	Urban status	Area in square kilometre	Population	
				2011	2001				2011	2001
1	2	3	4	5	6	7	8	9	10	11

Annexure -

A-4 APPENDIX - 2

CHANGES IN AREA OF TOWNS BETWEEN 2001 - 2011 AND REASONS THEREOF

State/ District	Name of town	Area (in square kilometre)		Reasons for the change in area
		2011	2001	
1	2	3	4	7

ANNEXURE - 4 (a)

COMPILATION SHEET FOR TABLE A-4 URBAN AGGLOMERATION BY SIZE CLASS

Name of State _____ Code No._____

Name of Urban Agglomeration /Town	District	Persons
1	2	3
Class I		
1 Urban Agglomeration (with more than one town and O.G.s)		
(a) Town 1 (As a whole)		
(i) Town		
(ii) O.G		
(b) Town 2		
2 Town A		
3 Town B		
4 Urban Agglomeration (one core town with O.G.)		
(i) Town		
(ii) O.G.		
Total		
Class II		
1. Town		
2. Urban Agglomeration		
(a) Town 1 (As a whole)		
(i) Town		
(ii) O.G.		
(iii) O.G.		
(b) Town 2 (As a whole)		
(i) Town		
(ii) O.G.		
Total		

ANNEXURE - 4 (a) (Concld.)

Class III	
"	
"	
Class IV	
"	
"	
Class V	
"	
"	
Class VI	
"	
"	
Total	

Compiled by _____ Checked by _____

ANNEXURE - 4 (b)
COMPILATION SHEET FOR TABLE A-4
URBAN AGGLOMERATIONS ARRANGED IN DESCENDING ORDER OF POPULATION

Name of State_____ Code No._____

Name of Urban Agglomeration/Town	Area	Persons	Males	Females
1	2	3	4	5
Class I				
1. Urban Agglomeration				
(a) Town 1 (As a whole)				
(i) Town				
(ii) O.G.				
(b) Town 2 (As a whole)				
(i) Town				
(ii) O.G.				
(c) Town 3				
2. Town A				
3. Town B				
4. Town (As a whole)				
(i) Town				
(ii) O.G.				
(As the case may be)				
Total				
Class II				
1. Town				
2. Urban Agglomeration				
(a) Town 1 (As a whole)				
(i) Town				
(ii) O.G.				
(iii) O.G.				
(b) Town 2 (As a whole)				
(i) Town				
(ii) O.G.				
(c) Town 3				
3. Town A				
4. Town B				
(As the case may be)				
Total				

ANNEXURE - 4 (b) (Concld.)

Class III

Total

Class IV

Total

Class V

Total

Class VI

Total

Compiled by _____ Checked by _____

Note: Number of towns/U.As in each size class should be counted and written in total column. For example, against Class I, write 7 U.As and 4 towns.

ANNEXURE - 4 (c)
COMPILATION SHEET FOR TABLE A-4
NEW URBAN AGLOMERATIONS FOR 2011 CENSUS

Name of State _____ Code No._____

Urban Agglomeration/ Constituent Units	POPULATION										
	1901	1911	1921	1931	1941	1951	1961	1971	1981	1991	2001
1	2	3	4	5	6	7	8	9	10	11	12

Class I (100,000 & above)

I. Urban Agglomeration
(a) Town 1
(b) Town 2
(c) Urban outgrowth 1

II. Urban Agglomeration
(a) Town 1
(b) Town 2

III. Urban Agglomeration

Class II (50,000 - 99,999)

1. Urban Agglomeration
(a) Town 1
(b) Town 2
and so on

Compiled by _____ Checked by _____

ANNEXURE - 4 (d)

COMPILATION SHEET FOR TABLE A-4 URBAN AGLOMERATIONS FOR 2001 CENSUS WHICH ARE NOT U.A. IN 2011

Name of State _____ Code No._____

Urban Agglomeration/ Constituent Units	POPULATION										
	1901	1911	1921	1931	1941	1951	1961	1971	1981	1991	2001
1	2	3	4	5	6	7	8	9	10	11	12

Class I (100,000 & above)

I. Urban Agglomeration
   (a) Town 1
   (b) Town 2
   (c) Urban outgrowth 1

II. Urban Agglomeration
   (a) Town 1
   (b) Town 2

III. Urban Agglomeration

Class II (50,000 - 99,999)

1. Urban Agglomeration
   (a) Town 1
   (b) Town 2
   and so on

Compiled by _____ Checked by _____

ANNEXURE - 4 (e)
COMPILATION SHEET FOR TABLE A-4

Name of State _____ Code No._____

Urban Agglomeration / Constituent Units of		Name of District	Towns added to U.A in 2011 Census	Towns excluded from U.A. in 2011 Census	Area in Km2	POPULATION										
Census 2011	Census 2001					1901	1911	1921	1931	1941	1951	1961	1971	1981	1991	2001
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Class I

1. Urban Agglom._____
   (a) Town 1 (a) Town 1
   (b) Town 2 (b) Town 2 . . .

2. Urban Agglom._____
   (a) Town 1 (a) Town 1
   (b) Town 2 (b) Town 2 . . .

3. Urban Agglom._____

Class II

1. Urban Agglom._____
   (a) Town 1 (a) Town 1
   (b) Town 2 (b) Town 2 . . .

Class III

Class IV

1. Urban Agglom._____
   (a) Town 1 (a) Town 1

Compiled by _____ Checked by _____

ANNEXURE - 4 (f)

COMPILATION SHEET FOR TABLE A-4

CLASS TOTALS OF TOWNS AND URBAN AGGLOMERATIONS FOR CENSUS YEAR 1901 - 2001

Name of State _____ Code No. _____

Size Class	Area in Km2		POPULATION																																				
	1961	2001	1901			1911			1921			1931			1941			1951			1961			1971			1981			1991			2001							
			P	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P	M	F					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	3				

Class I

Class total in Table A-4 of 2001 Census

(a) New Urban Agglomeration

(b) Old Urban Agglomertion

(c) U.A of 2001 & 2011

as of 2011

as of 2001

Net Change

Class Total as of 2011

Class II

Class total in Table A-4 of 2001 Census

(a) New Urban Agglomeration

(b) Old Urban Agglomertion

(c) U.A of 2001 & 2011

as of 2011

as of 2001

Net Change

Class Total as of 2011

Class III

Class total in Table A-4 of 2001 Census

Net Change

Class Total as of 2011

Class IV

Class V

Class VI

Compiled by _____ Checked by _____

STATEMENT - 1

TOWNS/U.As FALLING IN A PARTICULAR SIZE CLASS IN 2011 CENSUS AND THEIR POPOULATION IN EARLIER CENSUES

Size Class	No. of U.As/Towns in 2011	POPULATION											
		2011	2001	1991	1981	1971	1961	1951	1941	1931	1921	1911	1901
1	2	3	4	5	6	7	8	9	10	11	12	13	14
I													
II													
III													
IV													
V													
VI													

STATEMENT - 2

NUMBER OF TOWNS/U.As FALLING IN SIZE CLASS ACCORDING TO THEIR CLASSIFICATION IN EACH CENSUS

Name of State _____ Code No. _____

Size Class	No. of Towns/U.As and their popoulation																							
	2011		2001		1991		1981		1971		.1961		1951		1941		1931		1921		1911		1901	
	No.	Pop.	No.	Pop.	No.	Pop.	No.	Pop.	No.	Pop.	No.	Pop.	No.	Pop.	No.	Pop.	No.	Pop.	No.	Pop.	No.	Pop.	No.	Pop.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
I																								
II																								
III																								
IV																								
V																								
VI																								