

AHLG

Abridged House List Generation Software by DCO, Assam

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1. Introduction :

Abridged Houselist (AHL) – an important document : It establishes an essential link between the two phases of census(houselisting operations and population enumeration). It serves as a frame for assigning serial number to each household in an EB(Enumeration Block). It also serves as a frame for post enumeration survey and other future surveys. It is filled separately for each Enumeration Block. AHL(section1 & section2) is prepared after phase1(HLO) but before phase2(PE).

In total, there are **six sections** in AHL :

Section 1- Identification particulars – is filled on each page before enumeration. It consists of the complete Identification Particulars along with the location codes.

Section 2 is prepared from HL Schedules, before the actual enumeration (Sections 1 & 2 are filled at the Charge Office by clerical staff). Subsequently section 2 will be updated by the enumerator during PE.

Section 3 is filled during the population enumeration

Section 4 will cover the particulars of places where houseless population found during population enumeration

Section 5 & 6 are filled after the revisional round is completed (Sections 3-6 are filled by the enumerator at the time of Population Enumeration or just after the completion of the Population Enumeration).

Abridged Houselist (AHL) – Section 2 : This section contains total 10 Columns.

Column 1 (Sl. No.) will start from 1.

Columns 2 to 6 are to be copied from relevant columns of HLO Schedules.

Col. 2 ~ Col. 2 of HLO schedule

Col. 3 ~ Col. 3 of HLO schedule

Col. 4 ~ Col. 7 of HLO schedule

Col. 5 ~ Col. 9 of HLO schedule

Col. 6 ~ Col. 11 of HLO schedule

Column 7 is the Sl. No. of all the households(HHs) (incl. institutional) in ascending order.

Columns 8 to 10 are to be filled during field work for the Population Enumeration.

Col. 10 i.e. signature of respondent is to be taken when information is collected through mobile app/self enumeration through ORGI's portal.

Houselist Particulars (to be copied from HLO schedules)

Columns 1-7 are to be filled up after HLO phase						Columns 8-10 are to be filled up during PE			
Sl. No.	Building No. (HLS Col. 2)	Census House No. (HLS Col. 3)	Use of Census House (HLS Col. 7)	HH No. (HLS Col. 9)	Name of head of HH (HLS Col. 11)	Sl. No. of HH (start afresh from 1)	Date of visit	Remarks	Signature of the respondent (in case of mobile app/ self enumeration)
1	2	3	4	5	6	7	8	9	10
1	MIG 1	0001	Residence	001	Ram Singh	1			
2	MIG 2	0002	Baithak	--	--	--			
3	MIG 3	0003	Residence-cum-shop	002	Imran Khan	2			
4	--	0004	Kirana Store	--	--	--			
5	MIG 4	0005	Hospital	9999	MS	3			
6	MIG 5	0006	Petrol Pump	--	--	--			

Houselisting Schedule 2021 – Side A

Census of India 2021 Houselisting and Housing Census Schedule Pre-test

Form Number: 2802 3739

Location Particulars: State: District: Block: Ward: Village:

Ward Code No. (Only for Towns): Houselisting Block No.:

Side: Side:

Line number: Building number: Census house number:

Predominant material of floor, wall and roof of the census house:

Ascertain use of Census house:

Household number:

Name of the head of the household:

Sl. No. of HH (start afresh from 1):

Date of visit:

Remarks:

Signature of the respondent:

Mobile Number:

For Pre-Test

1. For col. 13: Scheduled Caste can be only from Hindu, Sikh and Buddhist and not from any other religion. Scheduled Caste can be from any religion.

2. For col. 15: Do not include kitchen, bathroom, latrine, store room, verandah, etc. in the house. Includes living room, bedroom, dining room, sitting room, study room, verandah, etc. in the house.

3. For col. 16: Near the premises: these include within 200 metres in Urban, within 500 metres in Rural.

4. Floor:

5. Wall:

6. Roof:

7. Use of census house:

8. Main source of drinking water:

9. Type of latrine:

10. Availability of electricity:

11. Fuel used for cooking:

12. Telephone and mobile phone:

13. Bicycle and motor vehicle:

14. Count the number of entries and give total:

15. Total:

16. Signature of the Enumerator with Date:

17. Signature of the Supervisor with Date:

Houselisting Schedule 2021 – Side B

[illegible]

Houselisting Schedule columns

Line number	Building number (Municipal or local authority or census number)	Census house number	Predominant material of floor, wall and roof of the census house (Give code from the respective lists below)			Ascertain use of Census house (Write the actual use and then choose the appropriate code from the list below and record the same in the box at the left hand side of the column)	
			Floor	Wall	Roof	Code No.	Actual use
1	2	3	4	5	6	7	

Fill if the census house is (If '1' or '2' in col. 7)			Information relating to the head of the household					
8 If '1' or '2' in col. 7, condition of this census house: Good-1 / Livable- 2 / Dilapidated-3	9 Household number (Give separate serial number to each household and write '999' for every institutional household)	10 Total number of persons normally residing in this household	11 Name of the head of the household	Do not fill columns 12 and 13 for institutional households		14 Ownership status of this house: Owned-1/ Rented but has own house elsewhere-2/ Rented and doesn't own any house-3/ Any other-4	15 Number of dwelling rooms # exclusively in possession of this household (Record 0,1,2,3,...)	16 Number of married couple(s) living in this household (Record 0,1,2,3,...)
				12 Sex: Male-1/ Female-2/ Third Gender-3 If SC* or ST* or Other: SC -1/ ST - 2 / Other - 3				

2. Input data : Scanned image(TIFF image) of Houselisting Schedule in '.tif' format(Tag Image File Format). TIFF files are used to store raster graphics and image information. TIFFs are a handy way to store high-quality images. These type of files have either a '.tiff' or '.tif' extension. TIFF files are a lossless form of file compression, they don't lose image quality.

3. Output data : Abridged House List in '.xlsx' format.

Installation of AHLG :










Do the installation step by step as directed. In the AHL Generation software, these are pre-requisite that are needed to install as mentioned below:

4. System Requirements :

Contents	Requirements
Computer System	Intel(R) Xeon(R) E-2224G CPU @ 3.50GHz 3.50 GHz, 8.0 GB RAM, 50 GB HDD.
Operating System	Windows 10 64bit
Screen Resolution	1920 X 1080 pixels

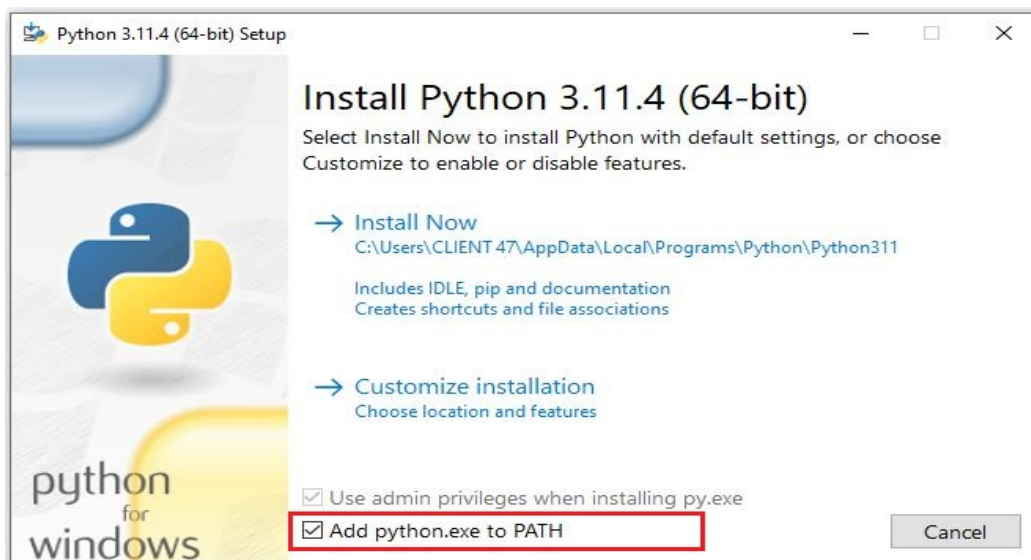
5. Copy the folder of AHLG to C: Drive

Copy the **AHLG** folder to **C: Drive**. This is essential for the execution of software.

> This PC > Windows (C:) > AHLG <div> <div></div> <div></div> </div>					Search AHLG
Name	^	Date modified	Type	Size	
 completed		19-07-2023 17:19	File folder		
 database		19-07-2023 17:19	File folder		
 header_icon		19-07-2023 16:28	File folder		
 load		19-07-2023 17:35	File folder		
 output		19-07-2023 17:38	File folder		
 software		19-07-2023 16:28	File folder		
 temp		19-07-2023 17:19	File folder		
 AHLG Manual.pdf		21-06-2023 17:12	Microsoft Edge P...	1,088 KB	
 AHLG_v1.4.exe		19-07-2023 16:22	Application	32,169 KB	

6. Python 3.11Installation :

Install “python 3.11.exe” from “C:\AHLG\Software”directory.



7. Database connection :

- **Microsoft Access Database Engine 2016 Redistributable** is required. Install “accessdatabaseengine_X64.exe” from “C:\AHLG\Software” directory.
- You will also need to replace “C:\AHLG\database\Directory.mdb” with your state data directory.

8. Creation of Short-cut to Desktop :

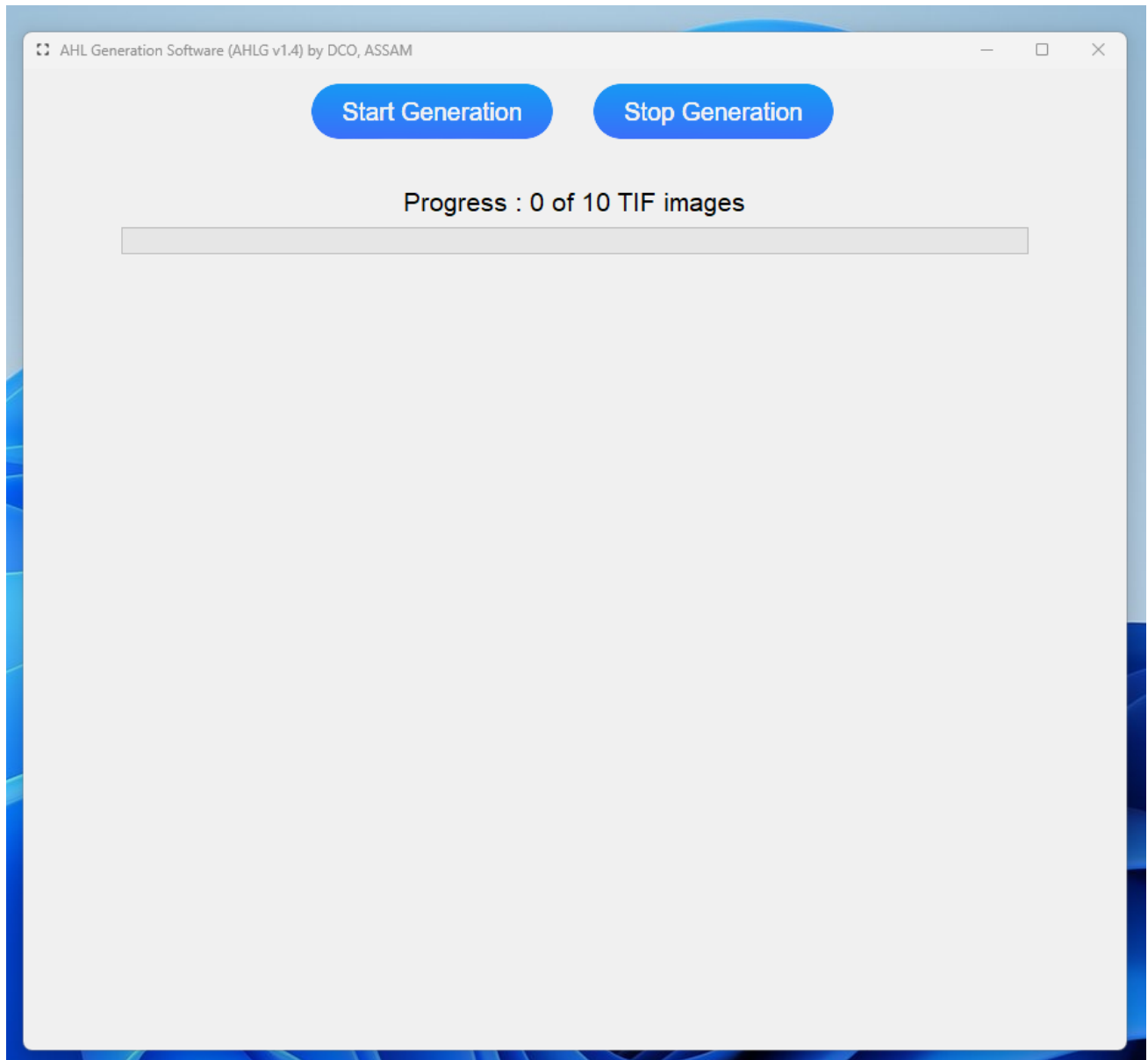
Go to “C:\AHLG” folder. You will find “AHLG_v1.4.exe”. Right click with mouse and click on the “Send shortcut to desktop”.

9. AHL Generation Process :

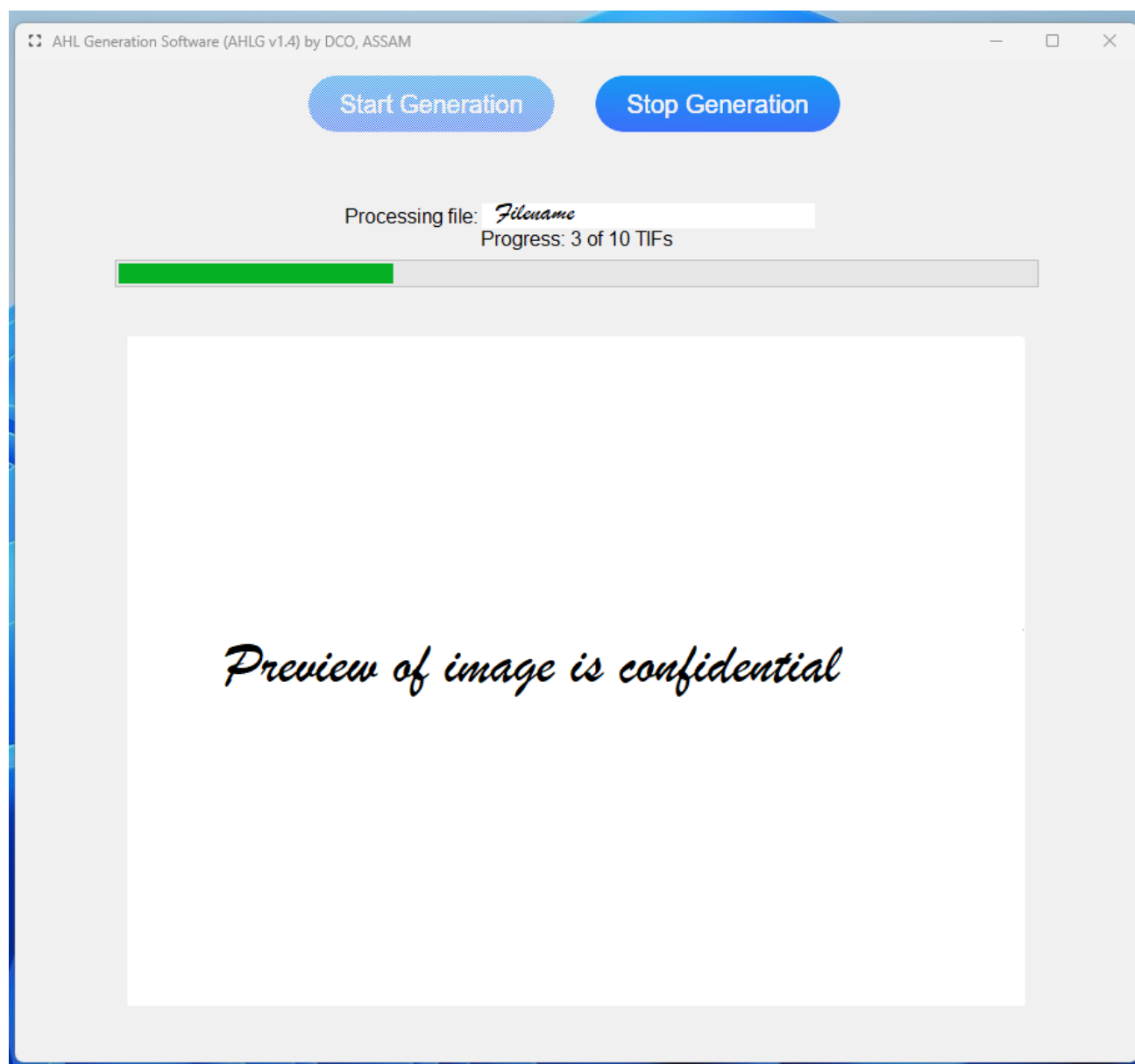
Before processing, you must put the **HL black and white** tif images in “Load” folder of the “C:\AHLG\Load” directory.

When all the above steps are done, double click on the icon “AHLG_v1.4.exe” which is created on the desktop. Click on “Start Generation” button once.

AHLG Home page



AHLG Progress page



After the completion of the process, you will get a Message box with a dialog **"Completed"**.

When generation is completed, you will get the Read files in **"Output"** folder in **"C:\AHLG\Output"** directory. Go to the directory and open the excel file.