

India Admin Boundary & Demographics

Esri India

ArcGIS Business Analyst Pro, Enterprise & Web Apps

Feb 25, 2025

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Dated. 25 February 2025

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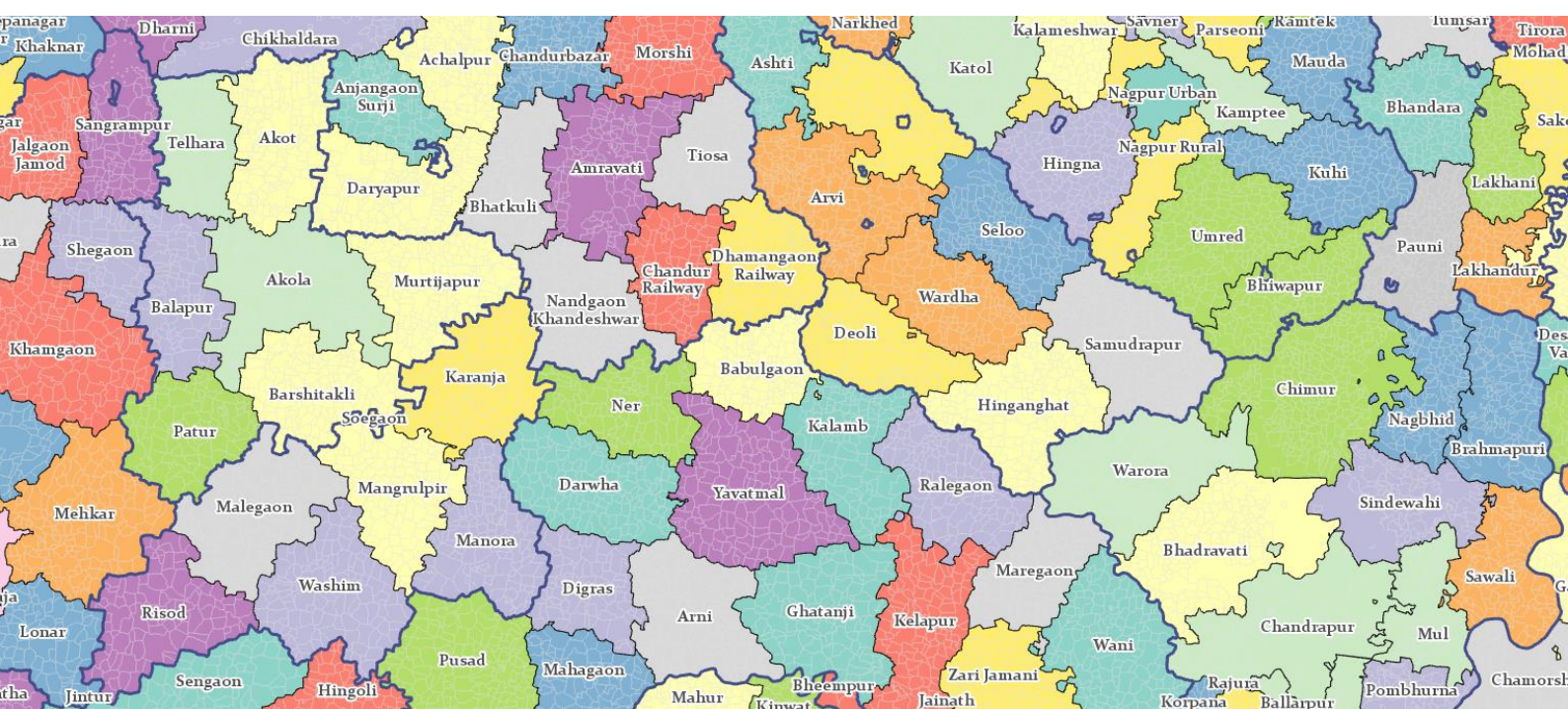
Document Name	Author	Date and Version
India Admin Boundary & Demographics	Esri India Technologies Pvt Ltd	2025-02-25 V2

1. Product Details

This product includes pan India admin boundaries with more than 400 data variables pertaining to age, education, households, housing, income, jobs, population, segmentation, and spending.

Geography levels are-

- India
- States/UTs
- Districts
- Parliamentary Constituency
- Subdistricts
- Assembly Constituency
- Pincodes
- Villages & Wards

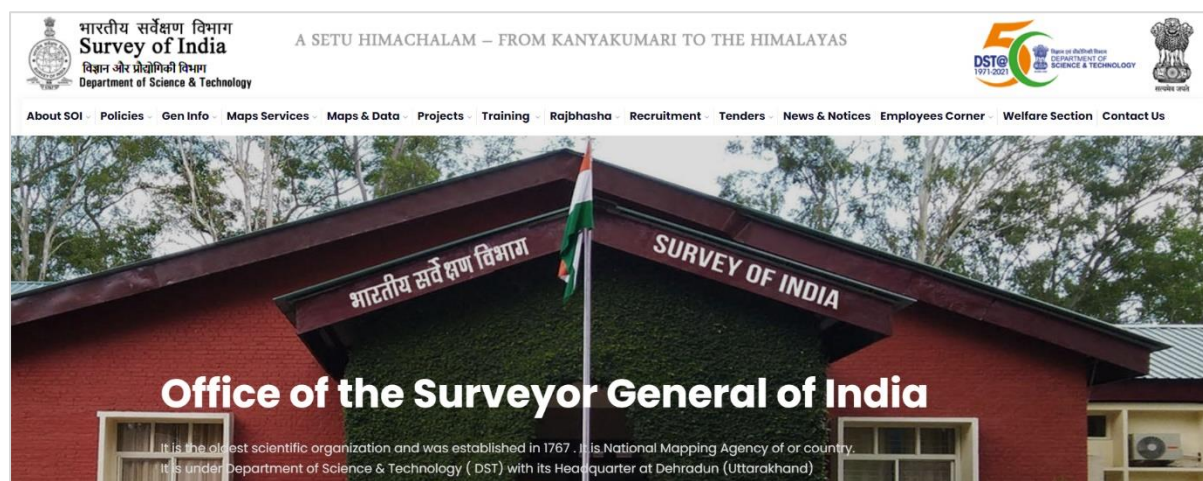


2. Data Source

For the development, only authoritative sources have been taken into consideration. Esri India has put additional effort to incorporate recent boundary modifications announced by government of India. The accreditation is given to the sources. The product adheres the guidelines of [National Geospatial Policy 2021](#) that allows the use of government authoritative datasets to create better maps and solutions. The sources which have been referenced are as follows-

1.) [Survey of India \(Sol\)](#)

Source referred for administrative boundaries for Country, States and Districts.

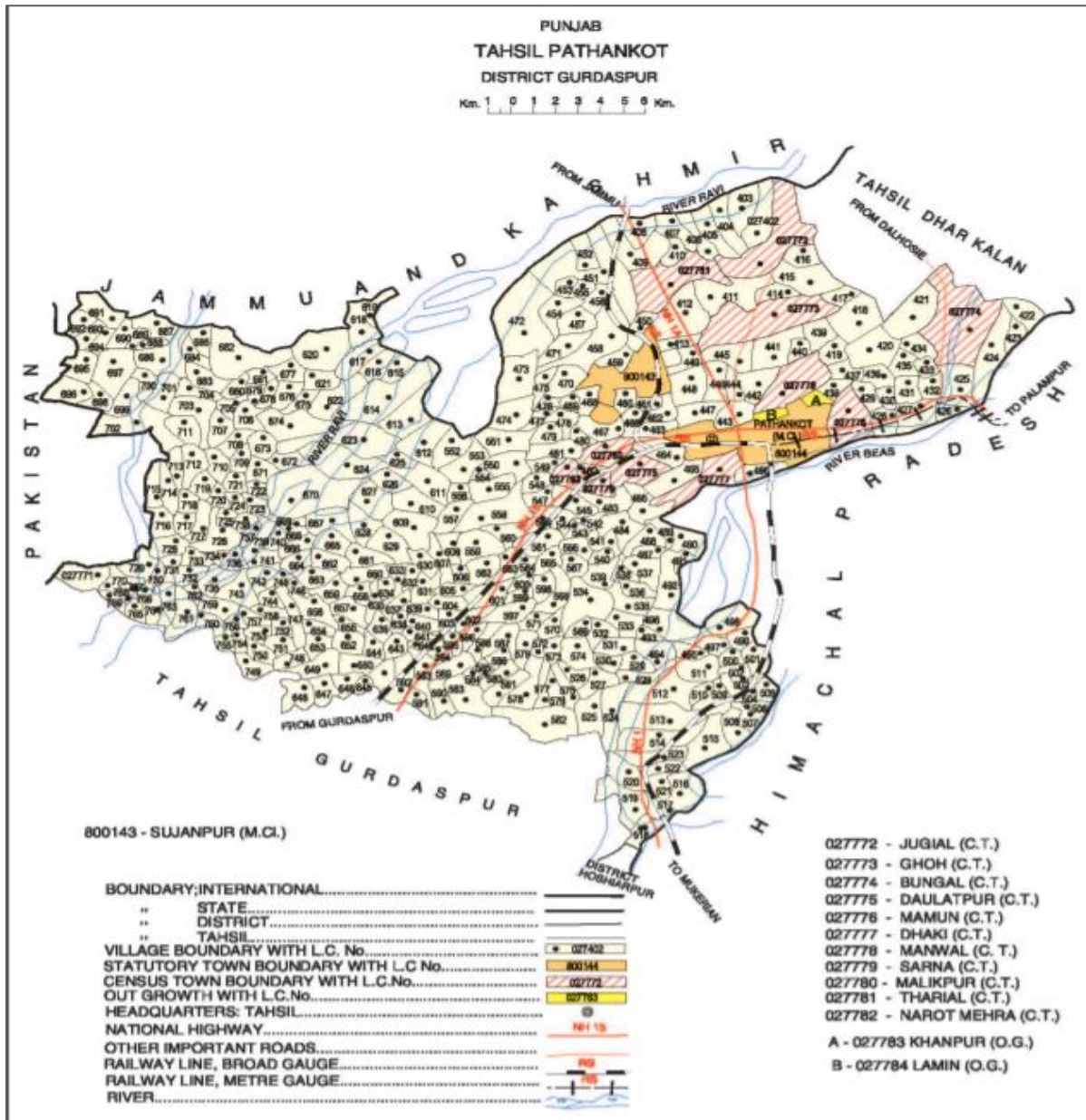


2.) [Census of India](#)

Population Census Abstract, PDF maps for village, town, and subdistrict boundaries. PCA data is available upto village level and Projected Population report is available at state level.

State	District	Subdistt	Town/Village	Ward	EB	Level	Name	TRU	No_HH	TOT_P	TOT_M	TOT_F	P_06	M_06	F_06	P_SC	M_SC	F_SC
03	035	00000	000000	0000	000000	DISTRICT	Gurdaspur	Total	443666	2298323	1212617	1085706	253579	139261	114318	580576	304894	275682
03	035	00000	000000	0000	000000	DISTRICT	Gurdaspur	Rural	312300	1639004	855784	783220	188167	103316	84851	435930	228541	207389
03	035	00000	000000	0000	000000	DISTRICT	Gurdaspur	Urban	131366	659319	356833	302486	65412	35945	29467	144646	76353	68293
03	035	00200	000000	0000	000000	SUB-DISTRICT	Dhar Kalan	Total	10825	54186	28235	25951	6387	3462	2925	11965	6188	5777
03	035	00200	000000	0000	000000	SUB-DISTRICT	Dhar Kalan	Rural	9774	48780	25414	23366	5795	3137	2658	10792	5578	5214
03	035	00200	000000	0000	000000	SUB-DISTRICT	Dhar Kalan	Urban	1051	5406	2821	2585	592	325	267	1173	610	563
03	035	00200	027374	0000	000000	VILLAGE	Darbahn (406)	Rural	103	527	282	245	75	44	31	127	63	64
03	035	00200	027375	0000	000000	VILLAGE	Darkua Bangla (405)	Rural	80	422	222	200	57	29	28	180	98	82
03	035	00200	027376	0000	000000	VILLAGE	Sarti(404)	Rural	769	3960	2023	1937	498	234	264	1239	618	621
03	035	00200	027377	0000	000000	VILLAGE	Dukhan lyali (407)	Rural	126	664	332	332	100	58	42	145	76	69
03	035	00200	027378	0000	000000	VILLAGE	Ghar (408)	Rural	179	852	437	415	104	51	53	321	163	158

Census 2011 PDF Map



3.) [MBR - Michael Bauer Research](#)

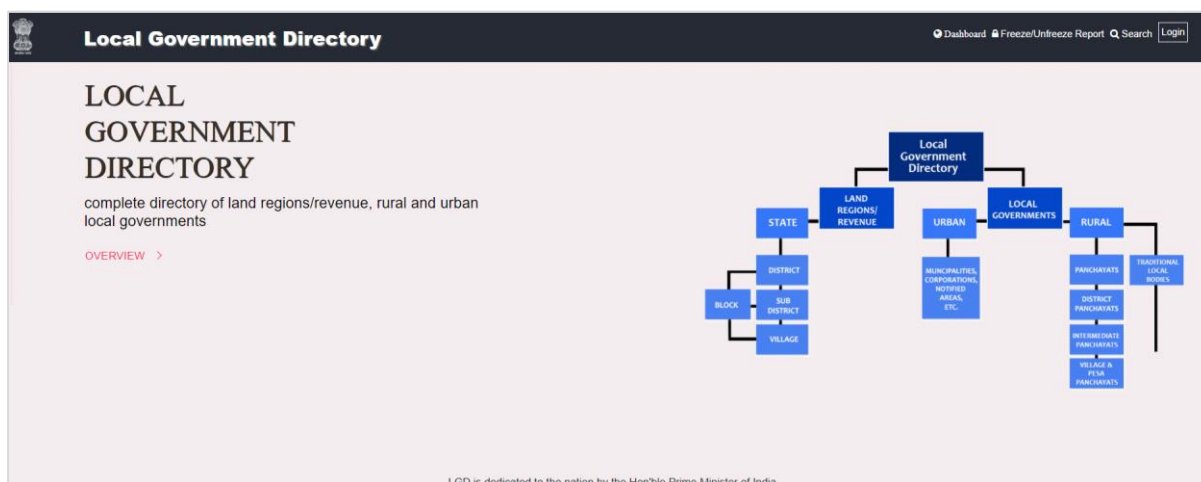
Michael Bauer Research GmbH, located in Nuremberg, Germany, has been operating since 27th of January 2004 and is specialized in internationally comparable regional market data along with compatible digital boundaries worldwide on detailed administrative, postal and macrogeographical levels.




4.) Local Government Directory (LGD)

Primary objective of Local Government directory is to facilitate State Departments to update the directory with newly formed panchayats/local bodies, re-organization in panchayats, conversion from Rural to Urban area etc. and provide the same info in public domain. Key Features of Local Government Directory:

- Generation of unique code for each local government body - each local government body is assigned with a unique code.
- Maintenance of local government bodies and its mapping with constituting land region entities. For ex. gram panchayat mapping with villages.
- Mandatory upload of Govt. order for each modification in the directory - to ascertain the users that the data published in LGD is authentic.
- Maintenance of historical data - when modifications take place in LGD, the old values/data is archived.
- Provision to maintain state specific local government setup. Compliance with Census 2011 codes.
- Facility to integrate with state specific standard codes - if any state is following standard codes for state level software applications, the same code can be linked to LGD code.



Village maps with Census 2001 and Census 2011 codes-



Local Government Directory

HOME

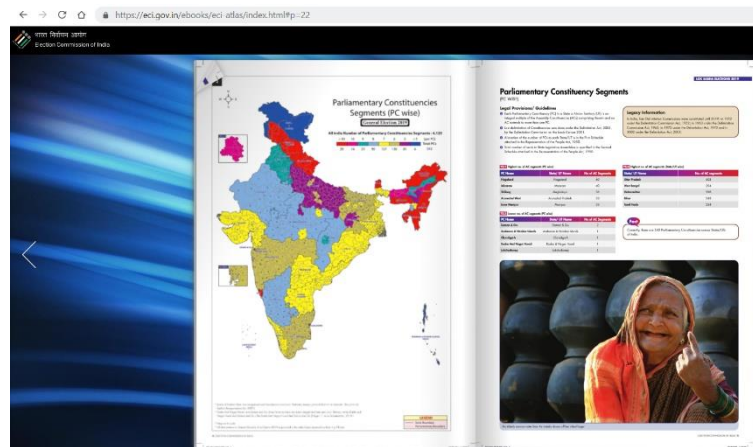
View Villages

Villages of Palwal Sub District (PALWAL - HARYANA)

S No	Village Code	Village Name (In English)	Village Name (In Local language)	Hierarchy	Census 2001 Code	Census2011 Code	Village Status	Pesa Status	View Details	View History	View Government Order	View Map
1	916547	Achheja (111)	Achheja	Palwal(Sub-District) / PALWAL(District) / HARYANA(State)		000000	Inhabitant	Not Covered				
2	63659	Adupur(23)		Palwal(Sub-District) / PALWAL(District) / HARYANA(State)	00675000	063659	Inhabitant	Not Covered				
3	63645	Aghwanpur(65)		Palwal(Sub-District) / PALWAL(District) / HARYANA(State)	00673600	063645	Inhabitant	Not Covered				

5.) [Election Commission of India \(ECI\)](#)


Parliamentary and Assembly boundaries.



6.) [State Governmental Portals](#)

The local government portals provide detailed maps of wards and local admin zones.

[English](#) [ಕನ್ನಡ](#)

**ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ**
Bruhat Bengaluru Mahanagara Palike

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S.No	Description	View / Download
1	2.01 map (a)-Kempapura Agrahara	Click here
2	2.01 map (b)-Kempapura Agrahara	Click here
3	2.02 -Srirampuram	Click here
4	2.03 map (a)-Malleshwaram	Click here
5	2.03 map (b)-Malleshwaram	Click here

7.) [Geospatial Data Policy](#) as a reference document

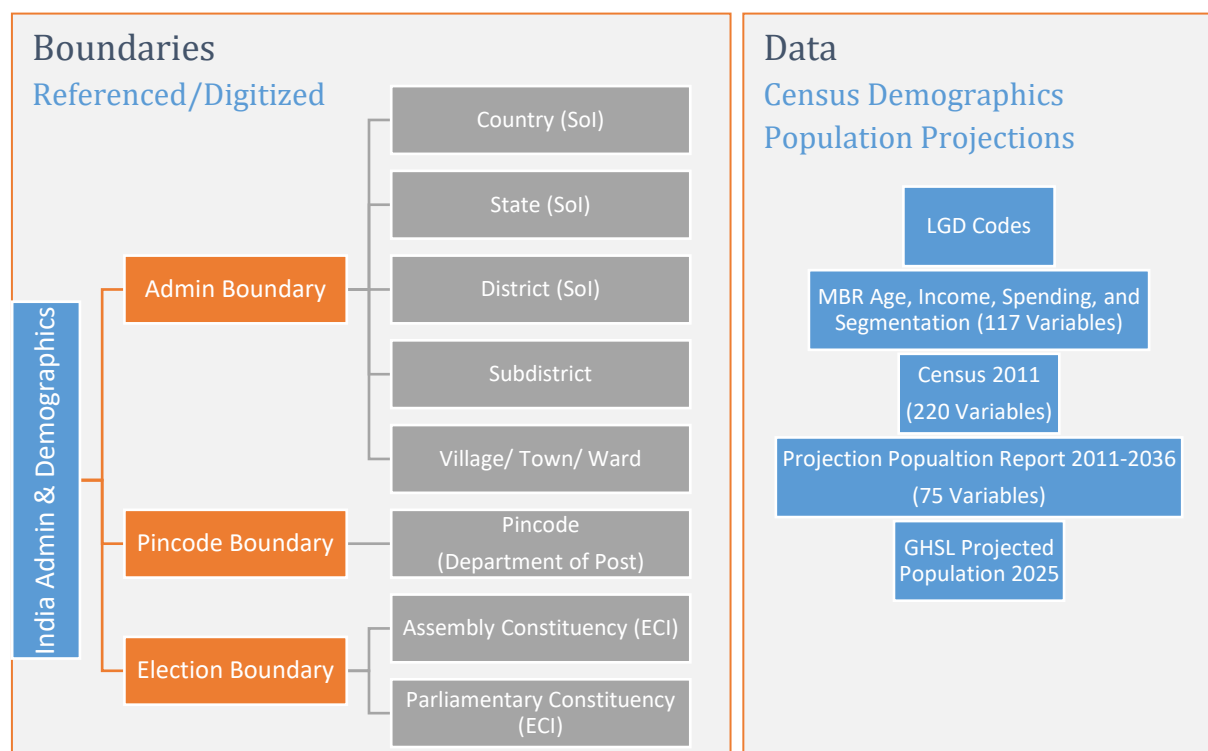
3.11 Liberalization

3.11.1 There will be no requirement for prior approval, security clearance, license or any other restrictions on the collection, generation, preparation, dissemination, storage, publication, updating and/or digitization of Geospatial Data and Maps within the territory of India, within the thresh-holds that will be defined by Implementation Guidelines from time to time.

3. Development Approach

The product is a compiled result of data gathered from multiple inputs. The spatial boundaries for Country, States and Districts have been referred from Survey of India (Sol), which is the only authoritative agency in India for admin boundaries. The subdistricts and village/town boundaries have been digitized from Census provided maps, state authority maps and various governmental portals. The administrative codes have been populated from LGD (Local Government Directory) that provides up-to-date list of revenue entities (districts/subdistricts/villages) and Local Government Bodies (Panchayats, Municipalities, and traditional bodies). The income, age, spending, and segmentation variables have been sourced from MBR.

The Census PCA 2011 data tables have been mapped with spatial boundaries. All the unique keys and census codes have been maintained in the product for reference. The census has provided village points for which areas could not be drawn on small scale maps. For such village points, Thiessen polygons have been generated.



Boundary and Data Source

Election Commission of India provided maps have been referred for Parliamentary and assembly boundaries.

Population Projection 2011-2036

Census of India has published the Population Projections from 2011 to 2036. This report has gender-wise population projections for Urban and Rural Area. A factor (yearly growth) has been calculated by taking projected population and the base year population (2011). Subsequently, the factor is calculated for each year using the projected values provided by census of India.

Projected Population by Sex as on 1st March - 2011 - 2036: India, States and Union Territories* ('000)									
Year	GUJARAT			GUJARAT URBAN			GUJARAT RURAL		
	Persons	Male	Female	Person	Male	Female	Person	Male	Female
2011	60,440 (A)	31,491	28,948	25,745	13,694	12,051	34,695	17,797	16,897
2012	61,383 (B)	32,007	29,376	26,472	14,081	12,391	34,911	17,926	16,985
Factor has been applied below State level- Projected Population by Sex as on 1st March - 2011 - 2036: India, States and Union Territories* ('000)									
Year	GUJARAT			GUJARAT URBAN			GUJARAT RURAL		
	Persons	Male	Female	Person	Male	Female	Person	Male	Female
2012	1.01560225 (B/A)	1.016385634	1.014785132	1.028238493	1.028260552	1.028213426	1.006225681	1.007248413	1.005208025

State Level Projection Calculation as per the Census of India published report-

The Cohort Component Method is the universally accepted method of making population projections because of the fact that the growth of population is determined by fertility, mortality, and migration rates. In this exercise, 20 States and two UTs have been applied the Cohort Component method. These are Andhra Pradesh, Assam, Bihar, Gujarat, Haryana, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Telangana, Uttar Pradesh, West Bengal, Jharkhand, Chhattisgarh, Uttarakhand, Jammu & Kashmir (UT) and NCT of Delhi. Based on the residual of the projected population of Jammu & Kashmir (State) and Jammu & Kashmir (UT), for which Cohort Component method has applied, projection of the Ladakh UT have been made. For the projections of Jammu & Kashmir (UT), SRS fertility and mortality estimate of Jammu & Kashmir (State) are used. The projection of the seven northeastern states (excluding Assam) has also been carried out as a whole using the Cohort Component Method. Separate projections for Andhra Pradesh and Telangana were done using the re-casted populations of these states. For the projections, for the years before 2014, combined SRS estimates of Andhra Pradesh and year 2014 onwards, separate SRS estimates of fertility and mortality of Andhra Pradesh and Telangana are used. For the remaining States and Union territories, Mathematical Method has been applied. The sources of data used are 2011 Census and Sample Registration System (SRS). SRS provides time series data of fertility and mortality, which has been used for predicting their future levels.

MBR Michael Bauer Research -

By using MB-Research International Data researchers are able to

- Quantify regional market potential
- Judge areas as to their strengths and weaknesses
- Identify unused market potential
- Focus locally on marketing activities
- Set realistic local economic forecasts

To furnish users with a broad variety of data for different sets of tasks, various indicators for regional demand are compiled:

- i. Population: Figures are shown as projected averages for the current year on the basis of official statistics. They are represented in absolute numbers and per mile share (thousandth part) of the whole country.
- ii. Extended Sociodemographic Variables (Household, Average household, Age and Gender wise population): For the purpose of target group specific consumer analyses or general profiling of the areas a number of variables can be provided on the basis of official statistics, depending on availability: number of households, household size, households by type, sex and age structure, education, marital status and unemployed.
- iii. Purchasing Power (disposable household income): Indices are a suitable indicator for the distribution of all products and services, whose demand depends largely on consumers' incomes. Sales figures of consumer goods, durable goods, personal services or homes are to a large extent a function of purchasing power. So, Purchasing Power Indices are used for regional market calculation by consumer goods manufacturers, retailers, banks, insurance companies, saving banks and consumer-oriented service providers. Purchasing Power refers to the disposable income of private households (i.e. income after deduction of taxes and obligatory social contributions, including received transfer payments) of a certain region's population. Consequently, Purchasing Power consists of net incomes from employment and assets (after deduction of taxes and obligatory social contributions), pensions, unemployment benefits, benefit payments and other national transfer payments. MB-Research uses information from national or regional state agencies on regional income distribution in the form of tax statistics. Indicators corresponding highly to income (wages and salaries, household equipment and endowment, demographics, unemployment etc.) were also compiled and used for purchasing power calculation by means of statistical methods. A per capita index of 100 indicates the area's purchasing power is in line with the national average and index above or below this average shows the amount of deviation from the average, positively or negatively.
- iv. Consumer Spending by Product group: monitor the expenditures of consumers for the various products and services. The target of these data evaluations is the expenditures for the products and services as such, no matter from which sector consumers acquire these products and services. The ratio between disposable income, demographics and expenditures for the products and services are derived from Household Budget surveys from the National Statistical Offices. By using such representative surveys and the regional and local statistics about income strata and demographics, Consumer Spending data is calculated. To determine market sizes, also household final consumption expenditure data by categories within the System of National Accounts were used. These data include estimates from the Statistical Offices for the 'grey economy'. Consumer spending also includes estimates for consumption of own produced products and buying directly from the manufacturer.

Categories

- CSP01 Food and non-alcoholic beverages
 - The food products classified here are those purchased for consumption at home. The group excludes: food products sold for immediate consumption away from the home by hotels, restaurants, cafés, bars, kiosks, street vendors, automatic vending machines, etc.; cooked dishes prepared by restaurants for consumption off their premises; cooked dishes prepared by catering contractors whether collected by the customer or delivered to the customer's home; and products sold specifically as pet foods.
 - The non-alcoholic beverages classified here are those purchased for consumption at home. The group excludes non-alcoholic beverages sold for immediate consumption away from the home by hotels, restaurants, cafés, bars, kiosks, street vendors, automatic vending machines, etc..
- CSP02 Alcoholic beverages
 - The alcoholic beverages classified here are those purchased for consumption at home. The group excludes alcoholic beverages sold for immediate consumption away from the home by hotels, restaurants, cafés, bars, kiosks, street vendors, automatic vending machines, etc.
 - The beverages classified here include low or non-alcoholic beverages which are generally alcoholic such as non-alcoholic beer.
- CSP03 Tobacco
 - This group covers all purchases of tobacco by households, including purchases of tobacco in restaurants, cafés, bars, service stations, etc.
- CSP04 Clothing
 - clothing materials of natural fibres, of man-made fibres and of their mixtures.
 - Garments for men, women, children (three to 13 years) and infants (0 to two years), either ready-to-wear or made-to-measure, in all materials (including leather, furs, plastics and rubber), for everyday wear, for sport or for work:
 - capes, overcoats, raincoats, anoraks, parkas, blousons, jackets, trousers, waistcoats, suits, costumes, dresses, skirts, etc.,
 - shirts, blouses, pullovers, sweaters, cardigans, shorts, swimsuits, track suits, jogging suits, sweatshirts, T-shirts, leotards, etc.,
 - vests, underpants, socks, stockings, tights, petticoats, brassieres, knickers, slips, girdles, corsets, body stockings, etc.,
 - pyjamas, night-shirts, night dresses, housecoats, dressing gowns, bathrobes, etc.,
 - baby clothes and babies' booties made of fabric.
 - ties, handkerchiefs, scarves, squares, gloves, mittens, muffs, belts, braces, aprons, smocks, bibs, sleeve protectors, hats, caps, berets, bonnets, etc.,
 - sewing threads, knitting yarns and accessories for making clothing such as buckles, buttons, press-studs, zip-fasteners, ribbons, laces,

- trimmings, etc.,
 - dry-cleaning, laundering and dyeing of garments,
 - darning, mending, repair and altering of garments,
 - hire of garments.
- CSP05 Footwear
 - all footwear for men, women, children (three to 13 years) and infants (0 to two years) including sports footwear suitable for everyday or leisure wear (shoes for jogging, cross-training, tennis, basketball, boating, etc.),
 - repair of footwear; shoe cleaning services,
 - hire of footwear.
 - Includes: gaiters, leggings and similar articles; total value of the repair service (that is, both the cost of labour and the cost of materials are covered).
 - Excludes: babies' booties made of fabric; orthopaedic footwear; game-specific footwear (ski boots, football boots, golfing shoes and other such footwear fitted with ice skates, rollers, spikes, studs, etc.); shin-guards, cricket pads and other such protective apparel for sport; polishes, creams and other shoe-cleaning articles; repair or hire of game-specific footwear (ski boots, football boots, golfing shoes and other such footwear fitted with ice skates, rollers, spikes, studs, etc.).
- CSP06 Furniture and furnishings, carpets and other floor coverings
 - beds, sofas, couches, tables, chairs, cupboards, chests of drawers and bookshelves,
 - lighting equipment such as ceiling lights, standard lamps, globe lights and bedside lamps,
 - pictures, sculptures, engravings, tapestries and other art objects including reproductions of works of art and other ornaments,
 - screens, folding partitions and other furniture and fixtures.
 - loose carpets, fitted carpets, linoleum and other such floor coverings.
 - Repair of furniture, furnishings and floor coverings
- CSP07 Household textiles
 - furnishing fabrics, curtain material, curtains, double curtains, awnings, door curtains and fabric blinds,
 - bedding such as futons, pillows, bolsters and hammocks,
 - bed linen such as sheets, pillowcases, blankets, travelling rugs, plaids, eiderdowns, counterpanes and mosquito nets,
 - table linen and bathroom linen such as tablecloths, table napkins, towels and face- clothes,
 - other household textiles such as shopping bags, laundry bags, shoe bags, covers for clothes and furniture, flags, sunshades, etc.,
 - repair of such articles.

- CSP08 Household appliances
 - refrigerators, freezers and fridge-freezers,
 - washing-machines, dryers, drying cabinets, dishwashers, ironing and pressing machines,
 - cookers, spit roasters, hobs, ranges, ovens and micro-wave ovens,
 - air conditioners, humidifiers, space heaters, water heaters, ventilators and extractor hoods,
 - vacuum cleaners, steam-cleaning machines, carpet shampooing machines and machines for scrubbing, waxing and polishing floors,
 - other major household appliances such as safes, sewing machines, knitting machines, water softeners, etc.,
 - coffee mills, coffee makers, juice extractors, can openers, food mixers, deep fryers, meat grills, knives, toasters, ice cream makers, sorbet makers, yoghurt makers, hotplates, irons, kettles, fans, electric blankets, etc.
 - repair of household appliances.
- CSP09 Glassware, tableware and household utensils
 - glassware, crystal-ware, ceramic ware and chinaware of the kind used for table, kitchen, bathroom, toilet, office and indoor decoration,
 - cutlery, flatware and silverware,
 - non-electric kitchen utensils of all materials such as saucepans, stew pots, pressure cookers, frying pans, coffee mills, purée-makers, mincers, hotplates, household scales and other such mechanical devices,
 - non-electric household articles of all materials such as containers for bread, coffee, spices, etc., waste bins, waste-paper baskets, laundry baskets, portable money-boxes and strong-boxes, towel rails, bottle racks, irons and ironing boards, letter boxes, feeding bottles, thermos flasks and ice boxes,
 - repair of such articles.
- CSP10 Tools and equipment for house and garden
 - motorised tools and equipment such as electric drills, saws, sanders and hedge cutters, garden tractors, lawn mowers, cultivators, chain saws and water pumps,
 - repair of such articles,
 - hand tools such as saws, hammers, screwdrivers, wrenches, spanners, pliers, trimming knives, rasps and files,
 - garden tools such as wheel barrows, watering cans, hoses, spades, shovels, rakes, forks, scythes, sickles and secateurs,
 - ladders and steps,
 - door fittings (hinges, handles and locks), fittings for radiators and fireplaces, other metal articles for the house (curtain rails, carpet rods, hooks, etc.) or for the garden (chains, grids, stakes and hoop segments for fencing and bordering),

- small electric accessories such as power sockets, switches, wiring flex, electric bulbs, fluorescent lighting tubes, torches, flashlights, hand-lamps, electric batteries for general use, bells and alarms,
- repair of such articles.
- Includes: charges for the leasing or rental of do-it-yourself machinery and equipment.
- CSP11 Goods and services for routine household maintenance
 - cleaning and maintenance products such as soaps, washing powders, washing liquids, scouring powders, detergents, disinfectant bleaches, softeners, conditioners, window-cleaning products, waxes, polishes, dyes, unblocking agents, disinfectants, insecticides, fungicides and distilled water,
 - articles for cleaning such as brooms, scrubbing brushes, dust pans and dust brushes, dusters, tea towels, floorcloths, household sponges, scourers, steel wool and chamois leathers,
 - paper products such as filters, tablecloths and table napkins, kitchen paper, vacuum cleaner bags and cardboard tableware, including aluminium foil and plastic bin liners,
 - other non-durable household articles such as matches, candles, lamp wicks, methylated spirits, clothes pegs, clothes hangers, pins, safety pins, sewing needles, knitting needles, thimbles, nails, screws, nuts and bolts, tacks, washers, glues and adhesive tapes for household use, string, twine and rubber gloves
 - Includes: polishes, creams and other shoe-cleaning articles.
 - domestic services supplied by paid staff employed in private service such as butlers, cooks, maids, drivers, gardeners, governesses, secretaries, tutors and au pairs,
 - similar services, including baby-sitting and housework, supplied by enterprises or self-employed persons,
 - household services such as window cleaning, disinfecting, fumigation and pest extermination,
 - dry-cleaning, laundering and dyeing of household linen, household textiles and carpets,
 - hire of furniture, furnishings, carpets, household equipment and household linen.
- CSP12 Medical products, appliances and equipment
 - This group covers medicaments, prostheses, medical appliances and equipment and other health-related products purchased by individuals or households, either with or without a prescription, usually from dispensing chemists, pharmacists or medical equipment suppliers. They are intended for consumption or use outside a health facility or institution. Such products supplied directly to out-patients by medical, dental and paramedical practitioners or to in-patients by hospitals and the like are included in out-patient services or hospital services.

- CSP13 Consumer electronics, photographic and IT equipment
 - television sets, video-cassette players and recorders, television aerials of all types,
 - radio sets, car radios, radio clocks, two-way radios, amateur radio receivers and transmitters,
 - gramophones, tape players and recorders, cassette players and recorders, CD- players, personal stereos, stereo systems and their constituent units (turntables, tuners, amplifiers, speakers, etc.), microphones and earphones.
 - still cameras, movie cameras and sound-recording cameras, video cameras and cam- corders, film and slide projectors, enlargers and film processing equipment, accessories (screens, viewers, lenses, flash attachments, filters, exposure meters, etc.),
 - binoculars, microscopes, telescopes and compasses.
 - personal computers and visual display units, printers, software and miscellaneous accessories accompanying them,
 - calculators, including pocket calculators,
 - typewriters and word processors.
 - records and compact discs,
 - pre-recorded tapes, cassettes, video cassettes, diskettes and CD-ROMs for tape recorders, cassette recorders, video recorders and personal computers,
 - unrecorded tapes, cassettes, video cassettes, diskettes and CD-ROMs for tape recorders, cassette recorders, video recorders and personal computers,
 - unexposed films, cartridges and discs for photographic and cinematographic use.
 - repair of audio-visual, photographic and information processing equipment.
- CSP14 Other major durables for recreation and culture
 - camper vans, caravans and trailers,
 - aeroplanes, micro light aircraft, gliders, hang-gliders and hot-air balloons,
 - boats, outboard motors, sails, rigging and superstructures,
 - horses and ponies, horse or pony drawn vehicles and related equipment (harnesses, bridles, reins, saddles, etc.),
 - major items for games and sport such as canoes, kayaks, wind-surfing boards, sea- diving equipment and golf carts,
 - musical instruments of all sizes, including electronic musical instruments, such as pianos, organs, violins, guitars, drums, trumpets, clarinets, flutes, recorders, harmonicas, etc.,
 - billiard tables, ping-pong tables, pin-ball machines, gaming machines, etc.
 - maintenance and repair of other major durables for recreation and

culture.

- CSP15 Other recreational items and equipment, gardens and pets
 - card games, parlour games, chess sets and the like,
 - toys of all kinds including dolls, soft toys, toy cars and trains, toy bicycles and tricycles, toy construction sets, puzzles, plasticine, electronic games, masks, disguises, jokes, novelties, fireworks and rockets, festoons and Christmas tree decorations,
 - stamp-collecting requisites (used or cancelled postage stamps, stamp albums, etc.), other items for collections (coins, medals, minerals, zoological and botanical specimens, etc.) and other tools and articles n.e.c. for hobbies.
 - Gymnastic, physical education and sport equipment such as balls, shuttlecocks, nets, rackets, bats, skis, golf clubs, foils, sabres, poles, weights, discuses, javelins, dumb- bells, chest expanders and other body-building equipment,
 - parachutes and other sky-diving equipment,
 - firearms and ammunition for hunting, sport and personal protection,
 - fishing rods and other equipment for fishing,
 - equipment for beach and open-air games such as bowls, croquet, frisbee, volleyball and inflatable boats, rafts and swimming pools,
 - camping equipment such as tents and accessories, sleeping bags, back-packs, air mattresses and inflating pumps, camping stoves and barbecues,
 - repair of such articles.
 - Natural or artificial flowers and foliage, plants, shrubs, bulbs, tubers, seeds, fertilisers, composts, garden peat, turf for lawns, specially treated soils for ornamental gardens, horticultural preparations, pots and pot holders.
 - pets, pet foods, veterinary and grooming products for pets, collars, leashes, kennels, birdcages, fish tanks, cat litter, etc.,
 - veterinary and other services for pets such as grooming, boarding, tattooing and training
- CSP16 Recreational and cultural services
 - Services provided by:
 - sports stadia, horse-racing courses, motor-racing circuits, velodromes, etc.
 - skating rinks, swimming pools, golf courses, gymnasia, fitness centres, tennis courts, squash courts and bowling alleys,
 - fairgrounds and amusement parks,
 - roundabouts, see-saws and other playground facilities for children,
 - pin-ball machines and other games for adults and games of chance,

- ski slopes, ski lifts and the like,
- hire of equipment and accessories for sport and recreation, such as aeroplanes, boats, horses, skiing and camping equipment,
- out-of-school individual or group lessons in bridge, chess, aerobics, dancing, music, skating, skiing, swimming or other pastimes,
- services of mountain guides, tour guides, etc.,
- navigational aid services for boating.
- cinemas, theatres, opera houses, concert halls, music halls, circuses, sound and light shows,
- museums, libraries, art galleries, exhibitions,
- historic monuments, national parks, zoological and botanical gardens, aquaria,
- hire of equipment and accessories for culture, such as television sets, video cassettes, etc.,
- television and radio broadcasting, in particular licence fees for television equipment and subscriptions to television networks,
- services of photographers such as film developing, print processing, enlarging, portrait photography, wedding photography, etc.
- CSP17 Newspapers, books and stationery
 - Refers to that part of expenditure paid by consumers and not reimbursed by government, social security, or NPISHs.
- CSP18 Catering services
 - catering services (meals, snacks, drinks and refreshments) provided by restaurants, cafés, buffets, bars, tea-rooms, etc., including those provided:
 - in places providing recreational, cultural, sporting or entertainment services: theatres, cinemas, sports stadia, swimming pools, sports complexes, museums, art galleries, night clubs, dancing establishments, etc.,
 - on public transport (coaches, trains, boats, aeroplanes, etc.) when priced separately,
 - also included are:
 - the sale of food products and beverages for immediate consumption by kiosks, street vendors and the like, including food products and beverages dispensed ready for consumption by automatic vending machines,
 - the sale of cooked dishes by restaurants for consumption off their premises,
 - the sale of cooked dishes by catering contractors whether collected by the customer or delivered to the customer's home.
 - catering services of works canteens, office canteens and canteens in schools, universities and other educational establishments.

- CSP19 Personal care
 - Services of hairdressing salons, barbers, beauty shops, manicures, pedicures, Turkish baths, saunas, solaria, non-medical massages, etc.
 - electric razors and hair trimmers, hand-held and hood hair dryers, curling tongs and styling combs, sunlamps, vibrators, electric toothbrushes and other electric appliances for dental hygiene, etc.,
 - repair of such appliances,
 - non-electric appliances: razors and hair trimmers and blades therefore, scissors, nail files, combs, shaving brushes, hairbrushes, toothbrushes, nail brushes, hairpins, curlers, personal weighing machines, baby scales, etc.,
 - articles for personal hygiene: toilet soap, medicinal soap, cleansing oil and milk, shaving soap, shaving cream and foam, toothpaste, etc.,
 - beauty products: lipstick, nail varnish, make-up and make-up removal products (including powder compacts, brushes and powder puffs), hair lacquers and lotions, pre-shave and after-shave products, sun-bathing products, hair removers, perfumes and toilet waters, personal deodorants, bath products, etc.,
 - other products: toilet paper, paper handkerchiefs, paper towels, sanitary towels, cotton wool, cotton tops, babies' napkins, toilet sponges, etc.
- CSP20 Personal effects (Jewellery, clocks, watches and other effects)
 - precious stones and metals and jewellery fashioned out of such stones and metals,
 - costume jewellery, cufflinks and tiepins,
 - clocks, watches, stop-watches, alarm clocks, travel clocks,
 - repair of such articles.
 - Travel goods and other carriers of personal effects: suitcases, trunks, travel bags, attaché cases, satchels, handbags, wallets, purses, etc.,
 - articles for babies: baby carriages, pushchairs, carry cots, recliners, car beds and seats, back-carriers, front carriers, reins and harnesses, etc.,
 - articles for smokers: pipes, lighters, cigarette cases, cigar cutters, etc.,
 - miscellaneous personal articles: sunglasses, walking sticks and canes, umbrellas and parasols, fans, key rings, etc.,
 - funerary articles: coffins, gravestones, urns, etc.,
 - repair of such articles.

v. **Consumer Lifestyle Segments:** MB-Research Consumer Styles describe ten different, within the segment widely homogenous, types usable for market segmentation and determination of target groups. The types are shown in absolute numbers and in the

percentage of the respective target groups of the nighttime population "15 years and above".

MB-Research Consumer Styles are created on the basis of different segmentation criteria such as demographics, value orientation, attitudes, consumer behavior and consumption volume, identified and validated in detail by conducted surveys on international level.

Description of Lifestyle segments in detail:

- **Type A – High Earning Urban Professionals**

Consumers in this segment show the highest per-capita income of all segments. They live almost all in single or multi-person households without children. They are employees, mainly in a managerial position or self-employed and have far above average a higher education. Regarding the willingness to spend for product groups such as clothing, this segment is a leader. Regarding smartphones, Apple is preferred to Samsung. They live mainly in metropolitan areas and large cities.

- **Type B – Comfortably Off Empty Nesters**

The consumers in this segment are almost all in the second half of life and live in households without children. In shopping they value quality and well-known brands. They also have favorite brands and shops and are able to keep track of a wide range of products and services offered; they prefer "Brick and Mortar" instead of online. Their per-capita income is significantly above average.

- **Type C – Modern and Pragmatic Over-50s**

The consumers in this segment are predominantly in the second half of life and live in households without children. Environmental protection and innovation have a high priority. High value is set on careful purchase planning. Best value for money is systematically searched. The per-capita income in this segment is mostly well above average, whereas the per-household income is, due to the domination of one or two person households, mostly around or slightly below average.

- **Type D – Well Informed Modern Consumers**

The consumers in this segment have significantly high expenditures in product groups like clocks and jewelry and sports products. They are able to keep track of a wide range of products and services offered. Online purchase is well above average. They are significantly above average white collar employees. Quality, innovation and environmental protection have a high priority. The majority has a well above average per-capita income.

- **Type E - Affluent Highly Educated Urban Families**

The consumers in this segment have significantly high expenditures per households for practically all product groups. They are the segment with the highest online shopping frequencies. They are employees, mainly in a managerial position and have far above average a higher education. They live predominantly in families with children and are mainly members of the younger age-groups. They enjoy shopping and like new products.

They live mainly in metropolitan areas and large cities. Innovation and environmental topics are important.

This segment shows the highest per-household income of all segments. It has the highest percentage of smartphone-users and social online network usage. Regarding smartphones, other than in most other segments, Apple is preferred to Samsung.

- Type F – Security-oriented Seniors

The consumers in this segment are almost all in the second half of life and live mostly in households without children. They put emphasis on security, relationships with fellow men and self-respect. Share of retirees is the highest in this segment. They search for best value for money and have favorite brands and shops. The majority in this segment has an around average per-capita income.

- Type G – Orientation Seeking Lower and Middle Class Consumers

Important values for the consumers in this segment are excitement, sense of belonging and social engagement. They are interested in new products but often find the quantity and quality of the many different products and the related product information confusing. The majority in this segment has a below average per capita income.

- Type H – Younger Lower and Middle Class Consumers

The majority of consumers in this segment has a below average per-capita income. They are mainly members of the younger age-groups and almost all live in multi-person-households, mostly with children. Education and tradition are important to them. They enjoy shopping and look out for best value-for-money and favorite brands and shops. They put emphasis on security and self-respect.

- Type I – Modern Younger Families

The consumers in this segment live in multi-person-households, almost all with children. They are employees, mainly in a managerial position or self-employed. Due to the number of children per household the per-capita income is below average but in terms of household income is above average. Excitement is important for them and they have well above average expenditures for certain product groups such as sports products and permanent education. Majority of them are in the early-family- phase. In shopping they are very interested in new products and mostly buy well-known brands.

- Type J – Low-Income Younger Consumers

The consumers in this segment have on average the lowest income compared to the other segments. Majority of them are teenagers or persons in their twenties. They are strongly characterized by a substantial absence from the labor market, being the segment with the highest shares of students, unemployed and housewives. They live often in rural areas or smaller cities.

[GHSL - Global Human Settlement Layer](#)

The Global Human Settlement Layer (GHSL) project produces global spatial information about the human presence on the planet over time. This is in the form of built-up maps, population

density maps and settlement maps. This information is generated with evidence-based analytics and knowledge using new spatial data mining technologies.

The GHSL processing framework uses heterogeneous data including global archives of fine-scale satellite imagery, census data, and volunteered geographic information. The data is processed fully automatically and generates analytics and knowledge reporting objectively and systematically about the presence of population and built-up infrastructures.

The complete information about GHSL open data can be found in the [GHSL Data Package 2023 report \(8.93 MB\)](#)

Pesaresi, Martino; Politis, Panagiotis (2023): GHS-BUILT-S R2023A - GHS built-up surface grid, derived from Sentinel2 composite and Landsat, multitemporal (1975-2030). European Commission, Joint Research Centre (JRC) [Dataset] doi: 10.2905/9F06F36F-4B11-47EC-ABB0-4F8B7B1D72EA PID: <http://data.europa.eu/89h/9f06f36f-4b11-47ec-abb0-4f8b7b1d72ea>

4. Quality Assurance

The thresholds of the data acceptance are-

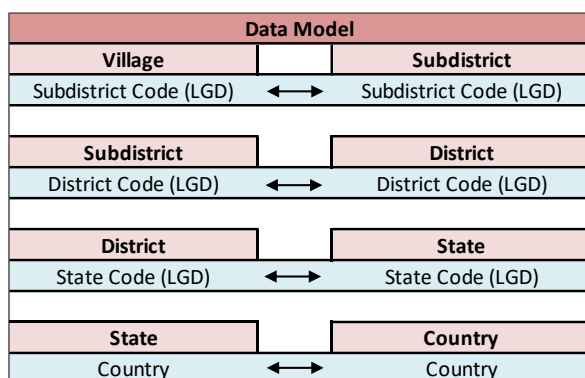
1. 100% match of Census PCA values to the geometry
2. 100% match of PCA values at all geography levels (Example: Summarized population of all the villages in a subdistrict should match with Subdistrict population)
3. 90% accuracy of georeferenced maps. Reference is taken from Survey of India boundaries for georeferencing. Hilly areas might have less than 90% accuracy due to undulating terrain and lack of ground control points.

Data level checks have been performed to ensure overall quality of India Admin data.

1. Value match with Census 2011 tables
2. Geographical Area vs. Population (Outlier check)
3. Missing Census 2011 codes
4. Census code vs Population
5. Thematic Checks and Geometric Validation
6. Village fall within the respective subdistrict, district & state.
7. Check for typos, suspicious characters, extra spaces in the TEXT columns.
8. Check for unique ID.

5. Data Layers

1. Country- 1
2. States/UTs- 36
3. Districts- 787
4. Parliamentary Constituency- 544
5. Subdistricts- 6,979
6. Assembly Constituency- 4,129
7. Pincode- 19,824
8. Villages and Wards – 660, 793 (Wards for 253 Cities/ ULBs/Census Towns)



6. Demographic Variables

SN	Variable Name	Category	Long Description
1	NO_HH_2011	Households	Total Number of Households
2	TOT_P_2011	Population Totals	Total Population (Total population includes those living in households)
3	TOT_M_2011	Population Totals	Male Population
4	TOT_F_2011	Population Totals	Female Population
5	P_06_2011	Population Totals	Total Population Below 6 Years
6	M_06_2011	Population Totals	Male Population Below 6 Years
7	F_06_2011	Population Totals	Female Population Below 6 Years
8	P_SC_2011	Population Totals	Total Scheduled Caste Population
9	M_SC_2011	Population Totals	Male Scheduled Caste Population
10	F_SC_2011	Population Totals	Female Scheduled Caste Population
11	P_ST_2011	Population Totals	Total Scheduled Tribe Population
12	M_ST_2011	Population Totals	Male Scheduled Tribe Population
13	F_ST_2011	Population Totals	Female Scheduled Tribe Population
14	P_LIT_2011	Education Totals	Total Literates
15	M_LIT_2011	Education Totals	Male Literates
16	F_LIT_2011	Education Totals	Female Literates
17	P_ILL_2011	Education Totals	Total Illiterates
18	M_ILL_2011	Education Totals	Male Illiterates
19	F_ILL_2011	Education Totals	Female Illiterates
20	TOT_WORK_P_2011	Employment Totals	Total Worker
21	TOT_WORK_M_2011	Employment Totals	Male Worker
22	TOT_WORK_F_2011	Employment Totals	Female Worker
23	MAINWORK_P_2011	Employment by Industry	Total Main Workers
24	MAINWORK_M_2011	Employment by Industry	Male Main Workers
25	MAINWORK_F_2011	Employment by Industry	Female Main Workers
26	MAIN_CL_P_2011	Employment by Industry	Total Main Workers as Cultivators
27	MAIN_CL_M_2011	Employment by Industry	Male Main Workers as Cultivators
28	MAIN_CL_F_2011	Employment by Industry	Female Main Workers as Cultivators
29	MAIN_AL_P_2011	Employment by Industry	Total Main Workers as Agricultural Labourers
30	MAIN_AL_M_2011	Employment by Industry	Male Main Workers as Agricultural Labourers
31	MAIN_AL_F_2011	Employment by Industry	Female Main Workers as Agricultural Labourers
32	MAIN_HH_P_2011	Employment by Industry	Total Main Workers in Household Industry Workers
33	MAIN_HH_M_2011	Employment by Industry	Male Main Workers in Household Industry Workers
34	MAIN_HH_F_2011	Employment by Industry	Female Main Workers in Household Industry Workers
35	MAIN_OT_P_2011	Employment by Industry	Total Main Workers as Other Workers

36	MAIN_OT_M_2011	Employment by Industry	Male Main Workers as Other Workers
37	MAIN_OT_F_2011	Employment by Industry	Female Main Workers as Other Workers
38	MARGWORK_P_2011	Employment by Industry	Total Marginal Workers
39	MARGWORK_M_2011	Employment by Industry	Male Marginal Workers
40	MARGWORK_F_2011	Employment by Industry	Female Marginal Workers
41	MARG_CL_P_2011	Employment by Industry	Total Marginal Workers as Cultivators
42	MARG_CL_M_2011	Employment by Industry	Male Marginal Workers as Cultivators
43	MARG_CL_F_2011	Employment by Industry	Female Marginal Workers as Cultivators
44	MARG_AL_P_2011	Employment by Industry	Total Marginal Workers as Agricultural Labourers
45	MARG_AL_M_2011	Employment by Industry	Male Marginal Workers as Agricultural Labourers
46	MARG_AL_F_2011	Employment by Industry	Female Marginal Workers as Agricultural Labourers
47	MARG_HH_P_2011	Employment by Industry	Total Marginal Workers in Household Industry Workers
48	MARG_HH_M_2011	Employment by Industry	Male Marginal Workers as Household Industry Workers
49	MARG_HH_F_2011	Employment by Industry	Female Marginal Workers as Household Industry Workers
50	MARG_OT_P_2011	Employment by Industry	Total Marginal Workers as Other Workers
51	MARG_OT_M_2011	Employment by Industry	Male Marginal Workers as Other Workers
52	MARG_OT_F_2011	Employment by Industry	Female Marginal Workers as Other Workers
53	MARGWORK_3_6_P_2011	Employment by Industry	Marginal Workers - worked for 3 months or more but less than 6 months
54	MARGWORK_3_6_M_2011	Employment by Industry	Male Marginal Workers - worked for 3 months or more but less than 6 months
55	MARGWORK_3_6_F_2011	Employment by Industry	Female Marginal Workers - worked for 3 months or more but less than 6 months
56	MARG_CL_3_6_P_2011	Employment by Industry	Marginal Cultivators - worked for 3 months or more but less than 6 months
57	MARG_CL_3_6_M_2011	Employment by Industry	Male Marginal Cultivators - worked for 3 months or more but less than 6 months
58	MARG_CL_3_6_F_2011	Employment by Industry	Female Marginal Cultivators - worked for 3 months or more but less than 6 months
59	MARG_AL_3_6_P_2011	Employment by Industry	Marginal Agricultural Labourers - worked for 3 to 6 months
60	MARG_AL_3_6_M_2011	Employment by Industry	Male Marginal Agricultural Labourers - worked for 3 to 6 months
61	MARG_AL_3_6_F_2011	Employment by Industry	Female Marginal Agricultural Labourers - worked for 3 to 6 months
62	MARG_HH_3_6_P_2011	Employment by Industry	Marginal Workers in Household Industry Workers - worked for 3 to 6 months
63	MARG_HH_3_6_M_2011	Employment by Industry	Male Marginal Workers in Household Industry Workers - worked for 3 to 6 months
64	MARG_HH_3_6_F_2011	Employment by Industry	Female Marginal Workers in Household Industry Workers - worked for 3 to 6 months
65	MARG_OT_3_6_P_2011	Employment by Industry	Marginal Other Workers - worked for 3 months or more but less than 6 months
66	MARG_OT_3_6_M_2011	Employment by Industry	Male Marginal Other Workers - worked for 3 months or more but less than 6 months

67	MARG_OT_3_6_F_2011	Employment by Industry	Female Marginal Other Workers - worked for 3 to 6 months
68	MARGWORK_0_3_P_2011	Employment by Industry	Marginal Workers - worked for 3 months or less but not more than 3 months
69	MARGWORK_0_3_M_2011	Employment by Industry	Male Marginal Workers - worked for 3 months or less but not more than 3 months
70	MARGWORK_0_3_F_2011	Employment by Industry	Female Marginal Workers - worked for 3 months or less but not more than 3 months
71	MARG_CL_0_3_P_2011	Employment by Industry	Marginal Cultivators - worked for 3 months or less but not more than 3 months
72	MARG_CL_0_3_M_2011	Employment by Industry	Male Marginal Cultivators - worked for 3 months or less but not more than 3 months
73	MARG_CL_0_3_F_2011	Employment by Industry	Female Marginal Cultivators - worked for less than 3 months
74	MARG_AL_0_3_P_2011	Employment by Industry	Marginal Agricultural Labourers - worked for less than 3 months
75	MARG_AL_0_3_M_2011	Employment by Industry	Male Marginal Agricultural Labourers - worked for less than 3 months
76	MARG_AL_0_3_F_2011	Employment by Industry	Female Marginal Agricultural Labourers - worked for less than 3 months
77	MARG_HH_0_3_P_2011	Employment by Industry	Marginal Workers in Household Industry Workers - worked for less than 3 months
78	MARG_HH_0_3_M_2011	Employment by Industry	Male Marginal Workers in Household Industry Workers - worked for less than 3 mo
79	MARG_HH_0_3_F_2011	Employment by Industry	Female Marginal Workers in Household Industry Worker - worked for less than 3 mo
80	MARG_OT_0_3_P_2011	Employment by Industry	Marginal Other Workers - worked for 3 months or less but not more than 3 months
81	MARG_OT_0_3_M_2011	Employment by Industry	Male Marginal Other Workers - worked for less than 3 months
82	MARG_OT_0_3_F_2011	Employment by Industry	Female Marginal Other Workers - worked for less than 3 months
83	NON_WORK_P_2011	Unemployment Totals	Total Non-Workers
84	NON_WORK_M_2011	Unemployment Totals	Male Non-Workers
85	NON_WORK_F_2011	Unemployment Totals	Female Non-Workers
86	HC_TOT_TOT_2011	Income Housing Characteristics	Households with condition of Census House as total houses
87	HC_TOT_GOD_2011	Income Housing Characteristics	Households with condition of Census House as good houses
88	HC_TOT_LIV_2011	Income Housing Characteristics	Households with condition of Census House as livable houses
89	HC_TOT_DIL_2011	Income Housing Characteristics	Households with condition of Census House as dilapidated houses
90	HC_RES_TOT_2011	Income Housing Characteristics	Households with condition of Census House as residence total houses
91	HC_RES_GOD_2011	Income Housing Characteristics	Households with condition of Census House as residence good houses
92	HC_RES_LIV_2011	Income Housing Characteristics	Households with condition of Census House as residence livable houses
93	HC_RES_DIL_2011	Income Housing Characteristics	Households with condition of Census House as residence dilapidated
94	HC_OTH_TOT_2011	Income Housing Characteristics	Households with condition of Census House as other total houses
95	HC_OTH_GOD_2011	Income Housing Characteristics	Households with condition of Census House as other good houses
96	HC_OTH_LIV_2011	Income Housing Characteristics	Households with condition of Census House as other livable houses
97	HC_OTH_DIL_2011	Income Housing Characteristics	Households with condition of Census House as other dilapidated houses
98	MT_GRSBAM_2011	Income Housing Characteristics	Households with material of roof as grass/thatch/bamboo

99	MT_PLASTIC_2011	Income Housing Characteristics	Households with material of roof as plastic/polythene
100	MT_H_TILES_2011	Income Housing Characteristics	Households with material of roof as hand made tiles
101	MT_M_TILES_2011	Income Housing Characteristics	Households with material of roof as machine made tiles
102	MT_B_BRICK_2011	Income Housing Characteristics	Households with material of roof as burnt brick
103	MT_STONE_2011	Income Housing Characteristics	Households with material of roof as stone/slate
104	MT_ASBSTOS_2011	Income Housing Characteristics	Households with material of roof as gi/metal/asbestos sheets
105	MT_CONCRTE_2011	Income Housing Characteristics	Households with material of roof concrete
106	MT_OTH_2011	Income Housing Characteristics	Households with material of roof any other material
107	MW_GRSBAM_2011	Income Housing Characteristics	Households with material of wall as grass/thatch/bamboo/wood/mud
108	MW_PLASTIC_2011	Income Housing Characteristics	Households with material of wall as plastic/polythene
109	MW_MUD_2011	Income Housing Characteristics	Households with material of wall as mud/unburnt brick
110	MW_WOOD_2011	Income Housing Characteristics	Households with material of wall as wood/bamboo
111	MW_NO_MRTR_2011	Income Housing Characteristics	Households with material of wall as stone not packed with mortar
112	MW_ST_MRTR_2011	Income Housing Characteristics	Households with material of wall as stone packed with mortar
113	MW_ASBSTOS_2011	Income Housing Characteristics	Households with material of wall as gi/metal/asbestos sheets
114	MW_B_BRICK_2011	Income Housing Characteristics	Households with material of wall as burnt brick
115	MW_CONCRTE_2011	Income Housing Characteristics	Households with material of wall as concrete
116	MW_OTH_2011	Income Housing Characteristics	Households with material of wall as any other material
117	MF_MUD_2011	Income Housing Characteristics	Households with material of floor as mud
118	MF_WOOD_2011	Income Housing Characteristics	Households with material of floor as wood/bamboo
119	MF_B_BRICK_2011	Income Housing Characteristics	Households with material of floor as burnt brick
120	MF_STONE_2011	Income Housing Characteristics	Households with material of floor as stone
121	MF_CEMENT_2011	Income Housing Characteristics	Households with material of floor as cement
122	MF_FL_TILE_2011	Income Housing Characteristics	Households with material of floor as mosaic/floor tiles
123	MF_OTH_2011	Income Housing Characteristics	Households with material of floor as any other material
124	DW_N_EXRM_2011	Households	Households with number of dwelling rooms as no exclusive room
125	DW_1_ROOM_2011	Households	Households with number of dwelling rooms as one room
126	DW_2_ROOM_2011	Households	Households with number of dwelling rooms as two rooms
127	DW_3_ROOM_2011	Households	Households with number of dwelling rooms as three rooms
128	DW_4_ROOM_2011	Households	Households with number of dwelling rooms as four rooms
129	DW_5_ROOM_2011	Households	Households with number of dwelling rooms as five rooms
130	DW_6_ROOM_2011	Households	Households with number of dwelling rooms as six rooms and above
131	HHSIZE_1_2011	Housing By Size	Households with household size as one person

132	HHSIZE_2_2011	Housing By Size	Households with household size as two persons
133	HHSIZE_3_2011	Housing By Size	Households with household size as three persons
134	HHSIZE_4_2011	Housing By Size	Households with household size as four persons
135	HHSIZE_5_2011	Housing By Size	Households with household size as five persons
136	HHSIZE_6_8_2011	Housing By Size	Households with household size as six to eight persons
137	HHSIZE_9P_2011	Housing By Size	Households with household size as nine persons and above
138	OW_OWNED_2011	Housing	Households with ownership status as owned house
139	OW_RENTED_2011	Housing	Households with ownership status as rented house
140	OW_OTH_2011	Housing	Households with ownership status as any other house
141	MC_NONE_2011	Household Marital Status	Households with number of married couple as none
142	MCOUPLE_1_2011	Household Marital Status	Households with number of married couple as one
143	MCOUPLE_2_2011	Household Marital Status	Households with number of married couple as two
144	MCOUPLE_3_2011	Household Marital Status	Households with number of married couple as three
145	MCOUPLE_4_2011	Household Marital Status	Households with number of married couple as four
146	MCOUPLE_5P_2011	Household Marital Status	Households with number of married couple as five and above
147	DW_T_TS_2011	Households Water Source	Households with main source of drinking water as tap water from treated source
148	DW_T_UNTS_2011	Households Water Source	Households with main source of drinking water as tap water from untreated source
149	DW_C_WELL_2011	Households Water Source	Households with main source of drinking water as covered well
150	DW_UNC_WEL_2011	Households Water Source	Households with main source of drinking water as uncovered well
151	DW_HPUMP_2011	Households Water Source	Households with main source of drinking water as hand pump
152	DW_TW_BORE_2011	Households Water Source	Households with main source of drinking water as tube well/borehole
153	DW_SPRING_2011	Households Water Source	Households with main source of drinking water as spring
154	DW_RIVCAN_2011	Households Water Source	Households with main source of drinking water as river/canal
155	DW_TANK_2011	Households Water Source	Households with main source of drinking water as tank/pond
156	DW_OTH_2011	Households Water Source	Households with main source of drinking water as other sources
157	LOC_DW_WP_2011	Households Water Source	Households With Location of Drinking Water Source Within Premises
158	LOC_DW_NP_2011	Households Water Source	Households with location of drinking water source near premises
159	LOC_DW_AW_2011	Households Water Source	Households with location of drinking water source away from house
160	LIGHT_ELEC_2011	Household Energy Sources	Households with main source of lighting as electricity
161	LIGHT_KERO_2011	Household Energy Sources	Households with main source of lighting as kerosene
162	LIGHT_SOLR_2011	Household Energy Sources	Households with main source of lighting as solar energy
163	LIGHT_OIL_2011	Household Energy Sources	Households with main source of lighting as other oil
164	LIGHT_OTH_2011	Household Energy Sources	Households with main source of lighting as any other source
165	LIGHT_NO_2011	Household Energy Sources	Households with main source of lighting as no lighting

166	HH_LATRINE_2011	Households Bathroom Facility	Households having latrine facility within the premises
167	FL_SEWER_2011	Households Bathroom Facility	Households having flush/pour flush latrine connected to piped sewer
168	FL_SEPTICT_2011	Households Bathroom Facility	Households having flush/pour flush latrine connected to septic tank
169	FL_OTHYSYS_2011	Households Bathroom Facility	Households having flush/pour flush latrine connected to other system
170	PL_WSLAB_2011	Households Bathroom Facility	Households having pit latrine with slab ventilated improved pit
171	PL_WITHOUT_2011	Households Bathroom Facility	Households having pit latrine without slab/open pit
172	NS_OPEN_2011	Households Bathroom Facility	Households having night soil disposed into open drain
173	SL_NS_HUM_2011	Households Bathroom Facility	Households having service latrine where night soil removed by human
174	SL_NS_ANML_2011	Households Bathroom Facility	Households having service latrine where night soil serviced by animal
175	HH_NO_LAT_2011	Households Bathroom Facility	Households not having latrine facility within the premises
176	AS_PUB_2011	Households Bathroom Facility	Households not having latrine facility but using public latrine
177	AS_OPEN_2011	Households Bathroom Facility	Households not having latrine facility but using open areas
178	HH_BATHRM_2011	Households Bathroom Facility	Households having bathing facility within the premises
179	HH_EN_WRF_2011	Households Bathroom Facility	Households having bathing facility within the premise as bath wo roof
180	HH_NO_BTRM_2011	Households Bathroom Facility	Households not having bathing facility
181	WWOC_DRAIN_2011	Household Sewage services	Households with waste water outlet connected to closed drainage
182	WWOC_OPEN_2011	Household Sewage services	Households with waste water outlet connected to open drainage
183	WWOC_NODRN_2011	Household Sewage services	Households with waste water without any drainage system
184	COOK_FIRE_2011	Household Energy Sources	Households with type of fuel used for cooking as fire-wood
185	COOK_RESDU_2011	Household Energy Sources	Households with type of fuel used for cooking as crop residue
186	COOK_CWDNG_2011	Household Energy Sources	Households with type of fuel used for cooking as cowdung cake
187	COOK_COAL_2011	Household Energy Sources	Households with type of fuel used for cooking as coal, lignite
188	COOK_KERO_2011	Household Energy Sources	Households with type of fuel used for cooking as kerosene
189	COOK_LPNG_2011	Household Energy Sources	Households with type of fuel used for cooking as lpg/png
190	COOK_ELEC_2011	Household Energy Sources	Households with type of fuel used for cooking as electricity
191	COOK_BIOGS_2011	Household Energy Sources	Households with type of fuel used for cooking as biogas
192	COOK_OTH_2011	Household Energy Sources	Households with type of fuel used for cooking as any other fuel
193	COOK_NO_2011	Household Energy Sources	Households with type of fuel used for cooking as no cooking
194	KF_INSIDE_2011	Household Kitchen	Households with kitchen facility do cooking inside house
195	KF_IN_HAS_2011	Household Kitchen	Households with kitchen facility, do cooking inside house has kitchen
196	KF_IN_DOES_2011	Household Kitchen	Households with kitchen facility, do cooking inside house, no kitchen
197	KF_OUTSIDE_2011	Household Kitchen	Households with kitchen facility, do cooking outside house

198	KF_OUT_HAS_2011	Household Kitchen	Households with kitchen facility, do cooking outside, has kitchen
199	KF_OUT_DOS_2011	Household Kitchen	Households with kitchen facility, do cooking outside, no kitchen
200	KF_NO_COOK_2011	Household Kitchen	Households with kitchen facility has no cooking facility
201	HH_BANKING_2011	Households Banking	Households availing banking services
202	HH_RADIO_2011	Household Assets	Households having availability of assets like radio/transistor
203	HH_TVCOMP_2011	Household Assets	Households having availability of assets like tv, computer/laptop
204	HH_CMP_INT_2011	Household Assets	Households having availability of assets like computer with internet
205	HH_CMP_WNT_2011	Household Assets	Households having availability of assets like computer wo internet
206	HH_PH_LL_2011	Household Assets	Households having availability of assets like telephone as landline
207	HH_PH_MOB_2011	Household Assets	Households having availability of assets like telephone as mobile
208	HH_PH_BTH_2011	Household Assets	Households having availability of assets like telephone as both
209	HH_BCYCL_2011	Household Assets	Households having availability of assets like bicycle
210	HH_2WHEEL_2011	Household Assets	Households having availability of assets like scooter/motorcycle
211	HH_4WHEEL_2011	Household Assets	Households having availability of assets like car/jeep/van
212	HH_TV_2011	Household Assets	Households having availability of assets like television
213	HH_NO_AST_2011	Household Assets	Households Not Having Availability of Assets Like TV, Computer
214	HS_PERMA_2011	Housing Units	Households with type of structure of census houses as permanent
215	HS_SPERMA_2011	Housing Units	Households with type of structure of census houses as semi-permanent
216	HS_TEMP_2011	Housing Units	Households with type of structure of census houses as total temporary
217	HS_SERVC_2011	Housing Units	Households with type of structure of census houses as serviceable
218	HS_NSERV_2011	Housing Units	Households with type of structure of census houses as non-serviceable
219	HS_UNCLSS_2011	Housing Units	Households with type of structure of census houses as unclassifiable
220	AVGHHSZ_CY_2011	Households	Average Household Size
221	TOT_P_2012	Projected Population	Projected Total Population for 2012
222	TOT_M_2012	Projected Population	Projected Male Population for 2012
223	TOT_F_2012	Projected Population	Projected Female Population for 2012
224	TOT_P_2013	Projected Population	Projected Total Population for 2013
225	TOT_M_2013	Projected Population	Projected Male Population for 2013
226	TOT_F_2013	Projected Population	Projected Female Population for 2013
227	TOT_P_2014	Projected Population	Projected Total Population for 2014
228	TOT_M_2014	Projected Population	Projected Male Population for 2014
229	TOT_F_2014	Projected Population	Projected Female Population for 2014
230	TOT_P_2015	Projected Population	Projected Total Population for 2015
231	TOT_M_2015	Projected Population	Projected Male Population for 2015
232	TOT_F_2015	Projected Population	Projected Female Population for 2015
233	TOT_P_2016	Projected Population	Projected Total Population for 2016
234	TOT_M_2016	Projected Population	Projected Male Population for 2016
235	TOT_F_2016	Projected Population	Projected Female Population for 2016
236	TOT_P_2017	Projected Population	Projected Total Population for 2017

237	TOT_M_2017	Projected Population	Projected Male Population for 2017
238	TOT_F_2017	Projected Population	Projected Female Population for 2017
239	TOT_P_2018	Projected Population	Projected Total Population for 2018
240	TOT_M_2018	Projected Population	Projected Male Population for 2018
241	TOT_F_2018	Projected Population	Projected Female Population for 2018
242	TOT_P_2019	Projected Population	Projected Total Population for 2019
243	TOT_M_2019	Projected Population	Projected Male Population for 2019
244	TOT_F_2019	Projected Population	Projected Female Population for 2019
245	TOT_P_2020	Projected Population	Projected Total Population for 2020
246	TOT_M_2020	Projected Population	Projected Male Population for 2020
247	TOT_F_2020	Projected Population	Projected Female Population for 2020
248	TOT_P_2021	Projected Population	Projected Total Population for 2021
249	TOT_M_2021	Projected Population	Projected Male Population for 2021
250	TOT_F_2021	Projected Population	Projected Female Population for 2021
251	TOT_P_2022	Projected Population	Projected Total Population for 2022
252	TOT_M_2022	Projected Population	Projected Male Population for 2022
253	TOT_F_2022	Projected Population	Projected Female Population for 2022
254	TOT_P_2023	Projected Population	Projected Total Population for 2023
255	TOT_M_2023	Projected Population	Projected Male Population for 2023
256	TOT_F_2023	Projected Population	Projected Female Population for 2023
257	TOT_P_2024	Projected Population	Projected Total Population for 2024
258	TOT_M_2024	Projected Population	Projected Male Population for 2024
259	TOT_F_2024	Projected Population	Projected Female Population for 2024
260	TOT_P_2025	Projected Population	Projected Total Population for 2025
261	TOT_M_2025	Projected Population	Projected Male Population for 2025
262	TOT_F_2025	Projected Population	Projected Female Population for 2025
263	TOT_P_2026	Projected Population	Projected Total Population for 2026
264	TOT_M_2026	Projected Population	Projected Male Population for 2026
265	TOT_F_2026	Projected Population	Projected Female Population for 2026
266	TOT_P_2027	Projected Population	Projected Total Population for 2027
267	TOT_M_2027	Projected Population	Projected Male Population for 2027
268	TOT_F_2027	Projected Population	Projected Female Population for 2027
269	TOT_P_2028	Projected Population	Projected Total Population for 2028
270	TOT_M_2028	Projected Population	Projected Male Population for 2028
271	TOT_F_2028	Projected Population	Projected Female Population for 2028
272	TOT_P_2029	Projected Population	Projected Total Population for 2029
273	TOT_M_2029	Projected Population	Projected Male Population for 2029
274	TOT_F_2029	Projected Population	Projected Female Population for 2029
275	TOT_P_2030	Projected Population	Projected Total Population for 2030
276	TOT_M_2030	Projected Population	Projected Male Population for 2030
277	TOT_F_2030	Projected Population	Projected Female Population for 2030
278	TOT_P_2031	Projected Population	Projected Total Population for 2031
279	TOT_M_2031	Projected Population	Projected Male Population for 2031
280	TOT_F_2031	Projected Population	Projected Female Population for 2031
281	TOT_P_2032	Projected Population	Projected Total Population for 2032
282	TOT_M_2032	Projected Population	Projected Male Population for 2032
283	TOT_F_2032	Projected Population	Projected Female Population for 2032

284	TOT_P_2033	Projected Population	Projected Total Population for 2033
285	TOT_M_2033	Projected Population	Projected Male Population for 2033
286	TOT_F_2033	Projected Population	Projected Female Population for 2033
287	TOT_P_2034	Projected Population	Projected Total Population for 2034
288	TOT_M_2034	Projected Population	Projected Male Population for 2034
289	TOT_F_2034	Projected Population	Projected Female Population for 2034
290	TOT_P_2035	Projected Population	Projected Total Population for 2035
291	TOT_M_2035	Projected Population	Projected Male Population for 2035
292	TOT_F_2035	Projected Population	Projected Female Population for 2035
293	TOT_P_2036	Projected Population	Projected Total Population for 2036
294	TOT_M_2036	Projected Population	Projected Male Population for 2036
295	TOT_F_2036	Projected Population	Projected Female Population for 2036
296	POP_GHSL_2025	Projected Population	GHSL Projected Total Population for 2025
297	TOTPOP_CY	Population	2024 Total Population (MBR)
298	POPDENS_CY	Population	2024 Population Density (Population per Square Kilometer)
299	POPPRM_CY	Population	2024 Population Per Mill
300	MALES_CY	Population	2024 Total Male Population (MBR)
301	FEMALES_CY	Population	2024 Total Female Population (MBR)
302	TOTHH_CY	Households	2024 Total Households (MBR)
303	AVGHHSZ_CY	Households	2024 Average Household Size (MBR)
304	PAGE01_CY	Age	2024 Total Population Age 0-14
305	PAGE02_CY	Age	2024 Total Population Age 15-29
306	PAGE03_CY	Age	2024 Total Population Age 30-44
307	PAGE04_CY	Age	2024 Total Population Age 45-59
308	AGE_T15PL	Age	2024 Total Population Age 15+
309	PAGE05_CY	Age	2024 Total Population Age 60+
310	MAGE01_CY	Age	2024 Male Population Age 0-14
311	MAGE02_CY	Age	2024 Male Population Age 15-29
312	MAGE03_CY	Age	2024 Male Population Age 30-44
313	MAGE04_CY	Age	2024 Male Population Age 45-59
314	MAGE05_CY	Age	2024 Male Population Age 60+
315	FAGE01_CY	Age	2024 Female Population Age 0-14
316	FAGE02_CY	Age	2024 Female Population Age 15-29
317	FAGE03_CY	Age	2024 Female Population Age 30-44
318	FAGE04_CY	Age	2024 Female Population Age 45-59
319	FAGE05_CY	Age	2024 Female Population Age 60+
320	PP_CY	Income	2024 Purchasing Power: Total
321	PPPRM_CY	Income	2024 Purchasing Power: Per Mill
322	PPPC_CY	Income	2024 Purchasing Power: Per Capita
323	PPIDX_CY	Income	2024 Purchasing Power: Index
324	CS01_CY	Spending	2024 Food & Non-Alcoholic Beverage Expenditures: Total
325	CS01PRM_CY	Spending	2024 Food & Non-Alcoholic Beverage Expenditures: Per Mill
326	CSPC01_CY	Spending	2024 Food & Non-Alcoholic Beverage Expenditures: Per Capita
327	CS01IDX_CY	Spending	2024 Food & Non-Alcoholic Beverage Expenditures: Index
328	CS02_CY	Spending	2024 Alcoholic Beverage Expenditures: Total
329	CS02PRM_CY	Spending	2024 Alcoholic Beverage Expenditures: Per Mill
330	CSPC02_CY	Spending	2024 Alcoholic Beverage Expenditures: Per Capita

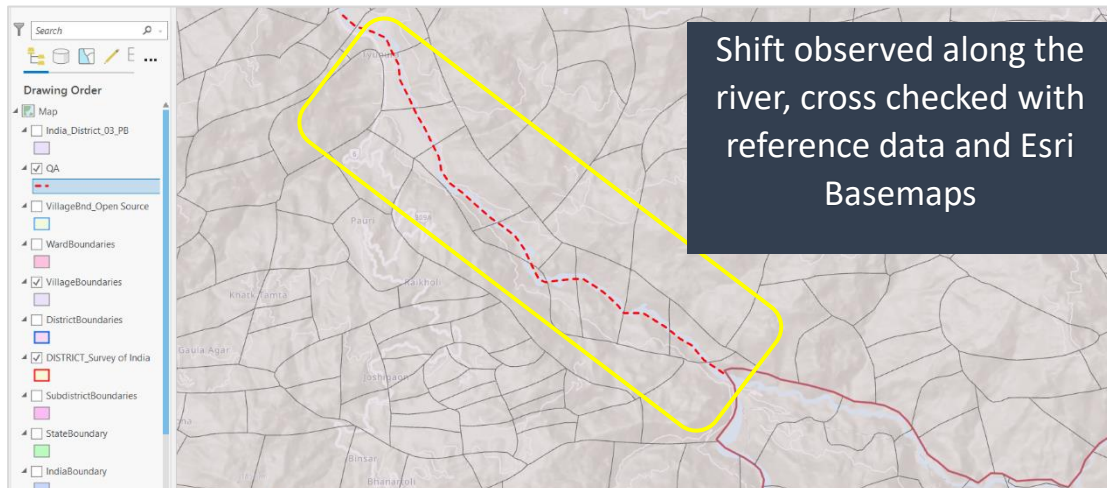
331	CS02IDX_CY	Spending	2024 Alcoholic Beverage Expenditures: Index
332	CS03_CY	Spending	2024 Tobacco Expenditures: Total
333	CS03PRM_CY	Spending	2024 Tobacco Expenditures: Per Mill
334	CSPC03_CY	Spending	2024 Tobacco Expenditures: Per Capita
335	CS03IDX_CY	Spending	2024 Tobacco Expenditures: Index
336	CS04_CY	Spending	2024 Clothing Expenditures: Total
337	CS04PRM_CY	Spending	2024 Clothing Expenditures: Per Mill
338	CSPC04_CY	Spending	2024 Clothing Expenditures: Per Capita
339	CS04IDX_CY	Spending	2024 Clothing Expenditures: Index
340	CS05_CY	Spending	2024 Footwear Expenditures: Total
341	CS05PRM_CY	Spending	2024 Footwear Expenditures: Per Mill
342	CSPC05_CY	Spending	2024 Footwear Expenditures: Per Capita
343	CS05IDX_CY	Spending	2024 Footwear Expenditures: Index
344	CS06_CY	Spending	2024 Furniture, Furnishing, & Floor Covering Expenditures: Total
345	CS06PRM_CY	Spending	2024 Furniture, Furnishing, & Floor Covering Expenditures: Per Mill
346	CSPC06_CY	Spending	2024 Furniture, Furnishing, & Floor Covering Expenditures: Per Capita
347	CS06IDX_CY	Spending	2024 Furniture, Furnishing, & Floor Covering Expenditures: Index
348	CS07_CY	Spending	2024 Household Textiles Expenditures: Total
349	CS07PRM_CY	Spending	2024 Household Textiles Expenditures: Per Mill
350	CSPC07_CY	Spending	2024 Household Textiles Expenditures: Per Capita
351	CS07IDX_CY	Spending	2024 Household Textiles Expenditures: Index
352	CS08_CY	Spending	2024 Household Appliances Expenditures: Total
353	CS08PRM_CY	Spending	2024 Household Appliances Expenditures: Per Mill
354	CSPC08_CY	Spending	2024 Household Appliances Expenditures: Per Capita
355	CS08IDX_CY	Spending	2024 Household Appliances Expenditures: Index
356	CS09_CY	Spending	2024 Glassware, Tableware, & Household Utensils Expenditures: Total
357	CS09PRM_CY	Spending	2024 Glassware, Tableware, & Household Utensils Expenditures: Per Mill
358	CSPC09_CY	Spending	2024 Glassware, Tableware, & Household Utensils Expenditures: Per Capita
359	CS09IDX_CY	Spending	2024 Glassware, Tableware, & Household Utensils Expenditures: Index
360	CS10_CY	Spending	2024 House & Garden Tools/Equipment Expenditures: Total
361	CS10PRM_CY	Spending	2024 House & Garden Tools/Equipment Expenditures: Per Mill
362	CSPC10_CY	Spending	2024 House & Garden Tools/Equipment Expenditures: Per Capita
363	CS10IDX_CY	Spending	2024 House & Garden Tools/Equipment Expenditures: Index
364	CS11_CY	Spending	2024 Routine Household Maintenance Expenditures: Total
365	CS11PRM_CY	Spending	2024 Routine Household Maintenance Expenditures: Per Mill
366	CSPC11_CY	Spending	2024 Routine Household Maintenance Expenditures: Per Capita
367	CS11IDX_CY	Spending	2024 Routine Household Maintenance Expenditures: Index
368	CS12_CY	Spending	2024 Medical Products & Equipment/Appliances Expenditures: Total
369	CS12PRM_CY	Spending	2024 Medical Products & Equipment/Appliances Expenditures: Per Mill

370	CSPC12_CY	Spending	2024 Medical Products & Equipment/Appliances Expenditures: Per Capita
371	CS12IDX_CY	Spending	2024 Medical Products & Equipment/Appliances Expenditures: Index
372	CS13_CY	Spending	2024 Consumer Electronics & Photo/IT Equipment Expenditures: Total
373	CS13PRM_CY	Spending	2024 Consumer Electronics & Photo/IT Equipment Expenditures: Per Mill
374	CSPC13_CY	Spending	2024 Consumer Electronics & Photo/IT Equipment Expenditures: Per Capita
375	CS13IDX_CY	Spending	2024 Consumer Electronics & Photo/IT Equipment Expenditures: Index
376	CS14_CY	Spending	2024 Recreation & Culture Durable Expenditures: Total
377	CS14PRM_CY	Spending	2024 Recreation & Culture Durable Expenditures: Per Mill
378	CSPC14_CY	Spending	2024 Recreation & Culture Durable Expenditures: Per Capita
379	CS14IDX_CY	Spending	2024 Recreation & Culture Durable Expenditures: Index
380	CS15_CY	Spending	2024 Toys, Games, Hobby, Sports, Garden, & Pets Expenditures: Total
381	CS15PRM_CY	Spending	2024 Toys, Games, Hobby, Sports, Garden, & Pets Expenditures: Per Mill
382	CSPC15_CY	Spending	2024 Toys, Games, Hobby, Sports, Garden, & Pets Expenditures: Per Capita
383	CS15IDX_CY	Spending	2024 Toys, Games, Hobby, Sports, Garden, & Pets Expenditures: Index
384	CS16_CY	Spending	2024 Recreational & Cultural Service Expenditures: Total
385	CS16PRM_CY	Spending	2024 Recreational & Cultural Service Expenditures: Per Mill
386	CSPC16_CY	Spending	2024 Recreational & Cultural Service Expenditures: Per Capita
387	CS16IDX_CY	Spending	2024 Recreational & Cultural Service Expenditures: Index
388	CS17_CY	Spending	2024 Books, Newspapers, & Stationery Expenditures: Total
389	CS17PRM_CY	Spending	2024 Books, Newspapers, & Stationery Expenditures: Per Mill
390	CSPC17_CY	Spending	2024 Books, Newspapers, & Stationery Expenditures: Per Capita
391	CS17IDX_CY	Spending	2024 Books, Newspapers, & Stationery Expenditures: Index
392	CS18_CY	Spending	2024 Catering Services Expenditures: Total
393	CS18PRM_CY	Spending	2024 Catering Services Expenditures: Per Mill
394	CSPC18_CY	Spending	2024 Catering Services Expenditures: Per Capita
395	CS18IDX_CY	Spending	2024 Catering Services Expenditures: Index
396	CS19_CY	Spending	2024 Personal Care Expenditures: Total
397	CS19PRM_CY	Spending	2024 Personal Care Expenditures: Per Mill
398	CSPC19_CY	Spending	2024 Personal Care Expenditures: Per Capita
399	CS19IDX_CY	Spending	2024 Personal Care Expenditures: Index
400	CS20_CY	Spending	2024 Jewelry, Watches, & Personal Effects Expenditures: Total
401	CS20PRM_CY	Spending	2024 Jewelry, Watches, & Personal Effects Expenditures: Per Mill
402	CSPC20_CY	Spending	2024 Jewelry, Watches, & Personal Effects Expenditures: Per Capita
403	CS20IDX_CY	Spending	2024 Jewelry, Watches, & Personal Effects Expenditures: Index
404	TYPE_A	Segmentation	Type A: High Earning Urban Professionals
405	TYPE_B	Segmentation	Type B: Comfortably Off Empty Nesters
406	TYPE_C	Segmentation	Type C: Modern and Pragmatic Over 50s
407	TYPE_D	Segmentation	Type D: Well Informed Modern Consumers

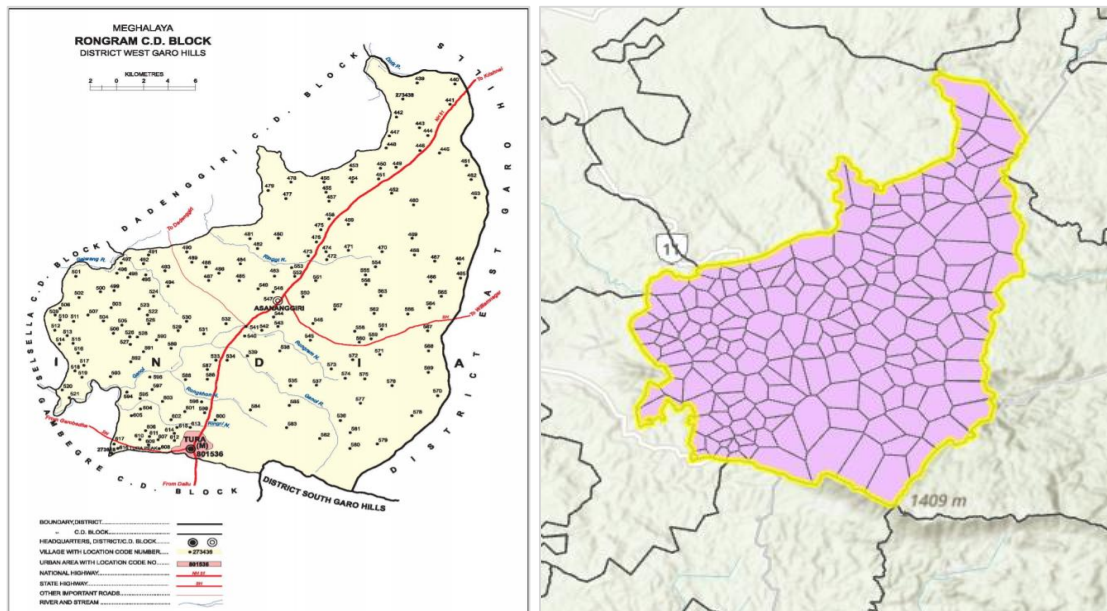
408	TYPE_E	Segmentation	Type E: Affluent Highly Educated Urban Families
409	TYPE_F	Segmentation	Type F: Security-Oriented Seniors
410	TYPE_G	Segmentation	Type G: Orientation Seeking Lower and Middle Class Consumers
411	TYPE_H	Segmentation	Type H: Younger Lower and Middle Class Consumers
412	TYPE_I	Segmentation	Type I: Modern Younger Families
413	TYPE_J	Segmentation	Type J: Low-Income Younger Consumers

7. Challenges

1. The boundaries may not perfectly align with AGOL imagery. The Census PDF maps are georeferenced using Survey of India boundaries and notice alignment issues with AGOL Imagery/Maps. Scale 1:200K



~33k villages are marked as point location on Census PDFs either because of low scale maps where small villages could not have been drawn or digitization has not been completed. Thiessen polygons have been maintained in the data to delineate the village areas.



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9. Appendix

PCA	Population Census Abstract	
IAB	India Admin Boundary	
SOI	Survey of India	https://surveyofindia.gov.in/
LGD	Local Government Directory	https://lgdirectory.gov.in/#
COI	Census of India	
ECI	Election Commission of India	
GHSL	Global Human Settlement Layer	https://human-settlement.emergency.copernicus.eu/index.php
MBR	Michael Bauer Research	https://www.english.mb-research.de/