

■ Edition-1
2025

DIGITAL DATA REGISTER

PUDUCHERRY



SURVEY OF INDIA

CONTENTS

PUDUCHERRY –ABOUT THE UT	3
DESCRIPTION OF DATA	4
1. TOPOGRAPHICAL MAPS	4
2. ADMINISTRATIVE BOUNDARIES	5
3. DIGITAL ELEVATION MODEL (DEM)	6
4. SOI PROJECTS	7
I. NATIONAL HYDROLOGY PROJECT (NHP)	7
II. NATIONAL MISSION FOR CLEAN GANGA (NMCg)	8
III. CENTRAL MINE PLANNING AND DESIGN INSTITUTE (CMPDI)	8
IV. INTEGRATED COASTAL ZONE MANAGEMENT (ICZM)	9
V. NATIONAL URBAN INFORMATION SYSTEM (NUIS)	9
VI. SURVEY OF VILLAGES ABADI AND MAPPING WITH IMPROVED TECHNOLOGY IN VILLAGE AREAS (SVAMITVA)	9
VII. LARGE SCALE MAPPING (LSM)	10
VIII. NATIONAL GEOSPATIAL KNOWLEDGE – BASED LAND SURVEY OF URBAN HABITATIONS (NAKSHA):	11
IX. ATAL MISSION FOR REJUVENATION AND URBAN TRANSFORMATION 2.0 (AMRUT 2.0):	11
5. OTHER MAPS	12
I. STATE/UT MAPS	12
II. OTHER GEOGRAPHICAL MAPS	12
i. Railway Map of India - Scale 1:3.5M	12
ii. Political Map of India - Scale 1:4M	12
iii. Road Map of India - Scale 1:2.5M	12
iv. India & Adjacent Countries - Scale 1:2.5M	12
v. Physical Map of India - Scale 1:4.5M	12
vi. World Map - Scale 1:20M	12
DISTRICT - KARAIKAL	16
DISTRICT – MAHE	19
DISTRICT - PUDUCHERRY	21
DISTRICT - YANAM	26
SOI PROJECTS IN PUDUCHERRY UT	28
TOPOGRAPHICAL MAPS OF PUDUCHERRY UT	29

LIST OF ABBREVIATIONS

OSM	-	Open Series Map
DSM	-	Defence Series Map
ABDB	-	Administrative Boundary Data Base
DEM	-	Digital Elevation Model
NHP	-	National Hydrology Project
NMCG	-	National Mission For Clean Ganga
CMPDI	-	Central Mine Planning and Design Institute
ICZM	-	Integrated Coastal Zone Management
NUIS	-	National Urban Information System
SVAMITVA	-	Survey of Villages Abadi and Mapping with Improvised Technology in Village Areas
UTM	-	Universal Transverse Mercator
WGS84	-	World Geodetic System 1984
LCC	-	Lambert Conformal Conic
Res.	-	Resolution
.tiff	-	Geo-Referenced Tagged Image File Format
.gdb	-	Geo Data Base
.pdf	-	Portable Document Format
.dgn	-	Design File
.shp	-	Shape File

PUDUCHERRY –ABOUT THE UT

The Union Territory of Puducherry lies in the southern part of the Indian Peninsula. The areas of Puducherry district and Karaikal district are bound by the state of Tamil Nadu, while Yanam district and Mahe district are enclosed by the states of Andhra Pradesh and Kerala, respectively. Puducherry is the 29th most populous of the 36 states and union territories of India, and the third most densely populated union territory. Historically known as Pondicherry, the territory changed its official name to Puducherry on 1 October 2006.

Puducherry is the smallest union territory in terms of sea coastline with 30.6 km length.



Fig 1: Aayi Mandapam, Puducherry

The most widely spoken first language is Tamil, which is native to 88.2% of the population. There are also speakers of Telugu, Malayalam and Urdu. The official languages of Puducherry are French, Tamil, Telugu (in Yanam), Malayalam (in Mahe) and English.

Puducherry, is a charming coastal town on the southeastern coast of India. With remnants of the French colonial past scattered throughout, the town boasts a unique blend of French and South Indian cultures.

It is best known for its tranquil atmosphere, colorful colonial architecture, and spiritual retreats. From aesthetic postcard buildings to sunny beaches, the town offers a laid-back ambience. There are several temples, churches, monuments, parks, and mosques which attract tourists.

DESCRIPTION OF DATA

1. TOPOGRAPHICAL MAPS

Topographical Maps are detailed, large-scale maps prepared by the Survey of India that accurately depict the natural and man-made features of the land. These maps serve as a fundamental reference for planning, administration, and developmental activities in India.

They provide precise information on terrain, elevations, drainage, vegetation, settlements, transport networks, administrative boundaries, and land use patterns. Using contour lines and symbols, these maps help visualize the shape and features of the ground.

Topographical maps are used for:

- i. Infrastructure Planning: Supports planning and alignment of roads, railways, canals, pipelines, and power lines.
- ii. Urban and Rural Development: Aids in town planning, settlement expansion, and selection of suitable sites for public/private infrastructure.
- iii. Water Resource Management: Facilitates watershed analysis, irrigation planning, and identification of drainage and flood-prone areas.
- iv. Natural Resource Assessment: Enables mapping vegetation, soil, and land use for sustainable resource management.
- v. Land Records Correlation: Helps link cadastral maps and revenue records with actual ground features.
- vi. Boundary Verification: Used for proper identification and confirmation of administrative boundaries at various levels.
- vii. Enables identification of forest area.
- viii. Environmental and Ecological Studies: Useful in assessing terrain, slopes, and ecological sensitivity for conservation planning.
- ix. Disaster Management: Assists in flood, drought, and landslide analysis, and in post-disaster damage assessment.
- x. Defence and Security Applications: Provides essential terrain information for defence planning, border management, and surveillance.
- xi. Tourism and Recreation Planning: Helps identify trekking routes, viewpoints, and eco-tourism sites.
- xii. Educational and Research Purposes: Used as inputs in geographical, geological, and environmental studies.
- xiii. Legal purposes: An authentic and accurate spatial framework to support legal and judicial requirements.
- xiv. GIS Applications: Serves as a reliable base layer for any geospatial analysis.

These are accurate and authorized maps which provide a base layer for integrating and validating all spatial data, supporting accurate decision-making and efficient land administration.

Survey of India provides Topographical Maps at 1:250,000 scale, 1:50,000 scale and 1:25,000 scale.

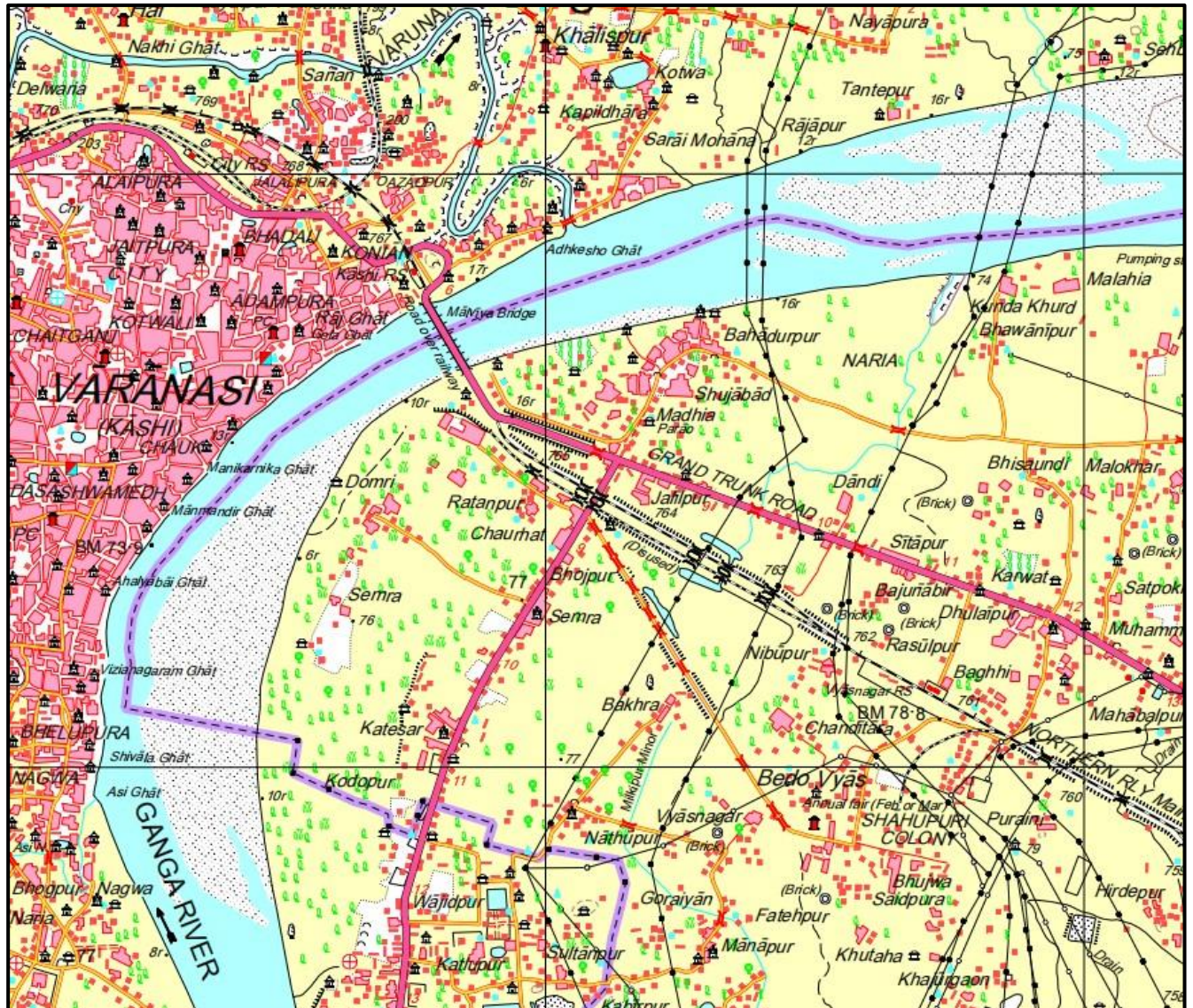


Fig 2: Topographical Map

2. ADMINISTRATIVE BOUNDARIES

Administrative boundaries represent officially demarcated divisions of governance & jurisdiction and are mapped and maintained by the Survey of India (SOI). These boundaries provide the foundational spatial framework for all administrative functions.

SOI maintains and updates boundary data at multiple hierarchical levels, ranging from International Boundaries, State Boundaries, Union Territory Boundaries, District Boundaries, Sub-District (Tehsil/Taluk) Boundaries, Village Boundaries and some Urban Area Boundaries.

Administrative boundary data of SOI is currently used in numerous ways, such as:

- i. Land and Revenue Record Management – verifying jurisdictional accuracy for land parcels and revenue collection.
- ii. Development Planning – identifying areas for infrastructure, welfare schemes, and resource allocation.
- iii. Disaster Management – coordinating relief efforts based on clearly demarcated jurisdictions.
- iv. E-Governance and GIS Integration – linking spatial boundaries with demographic, economic, and land use data for better decision-making.

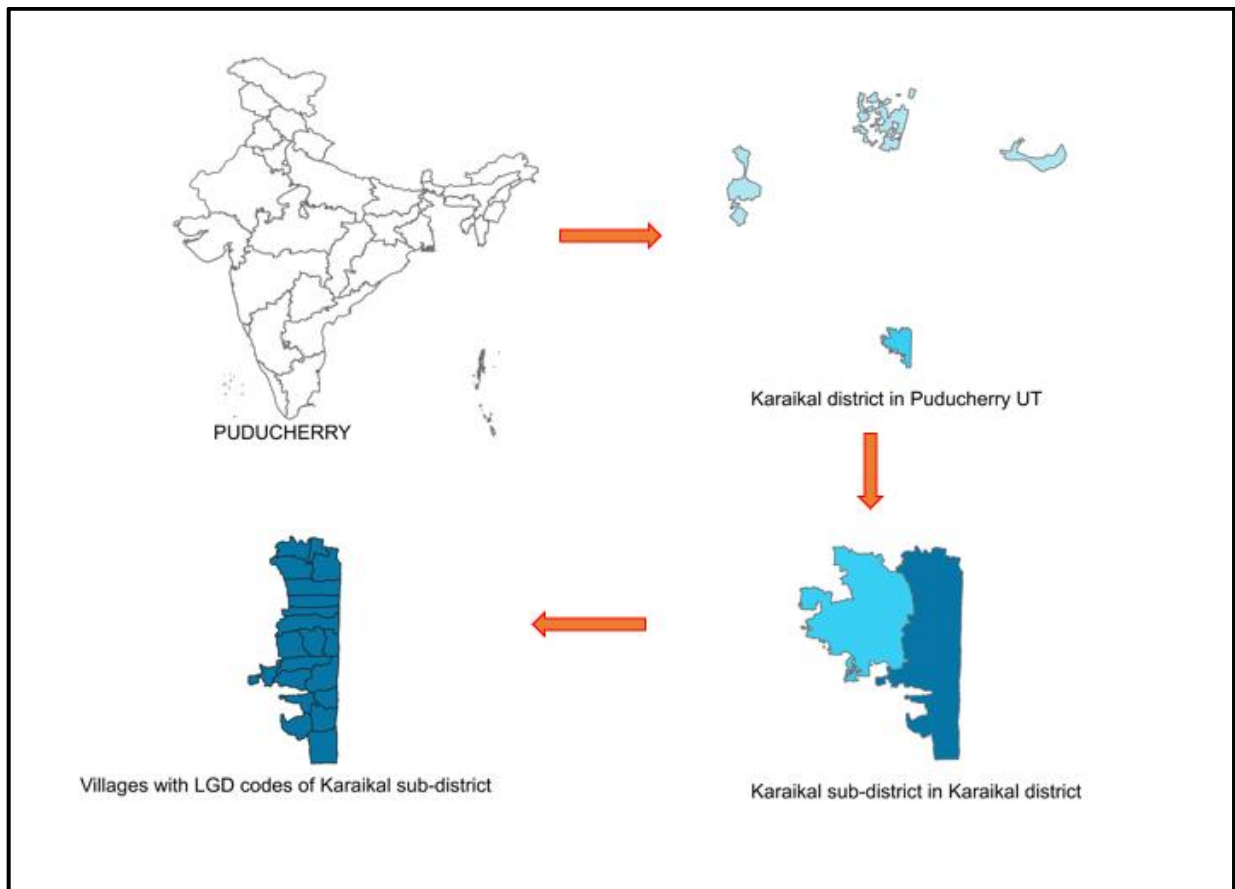


Fig 3: Administrative Boundaries: From International boundary to Village boundary

3. DIGITAL ELEVATION MODEL (DEM)

The Digital Elevation Model (DEM) is a digital representation of the Earth's surface showing the elevation (height) of surface features. Survey of India (SOI) has prepared DEMs by digitizing and processing contour data from 1:50,000 scale topographical maps, ensuring consistent accuracy across the country.

A DEM depicts the natural terrain in three dimensions. It forms the foundation for terrain analysis, watershed delineation, infrastructure planning, and disaster management.

The DEM provided by SOI is highly used for:

1. Land Use and Development Planning – identifying suitable areas for roads, buildings, and public utilities based on terrain conditions.
2. Drainage and Irrigation Management – analysing slope and flow direction to design efficient water distribution systems.
3. Flood Risk and Disaster Management – mapping flood-prone or low-lying areas to support preparedness and mitigation efforts.
4. Infrastructure Projects – assisting in route alignment for roads, canals, and pipelines.

The SOI's DEM (10m resolution) thus serves as a foundational spatial dataset that enables accurate and authorized terrain-based decision-making for various administrative, developmental, and legal applications.

4. SOI PROJECTS

I.NATIONAL HYDROLOGY PROJECT (NHP)

Survey of India is one of the Central Implementation Agencies in the National Hydrology Project (NHP) of Government of India which is intended for setting up of a system for timely and reliable water resources data acquisition, storage, collation and management. The Ministry of Jal Shakti, Department of Water Resources, River Rejuvenation and Ganga Rejuvenation (DoWR, RD&GR) is the Nodal Ministry for implementation of the project.

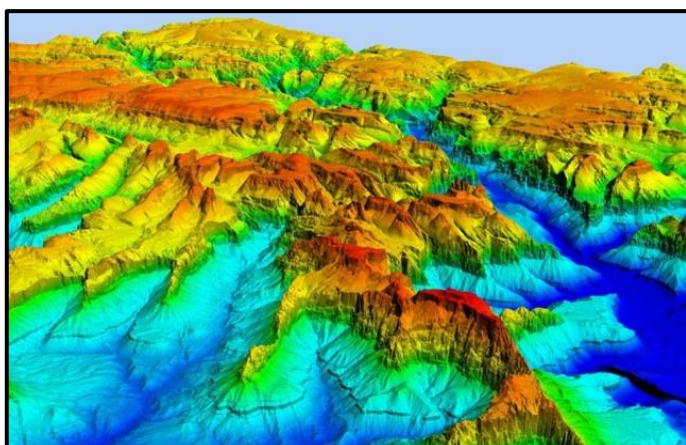
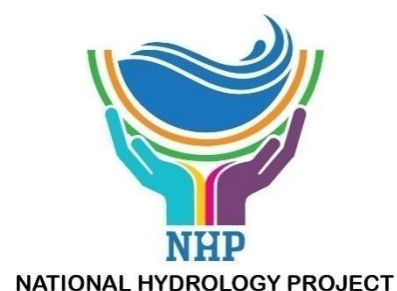


Fig 4: Digital Elevation Model

The data generated under NHP provide tools/systems for informed decision making through Decision Support Systems (DSS) for water resources assessment, flood management, reservoir operations, drought management, etc. NHP also seeks to build capacity of the State and Central sector organizations in water resources management using Information Systems and adoption of State-of-the-art technologies like Remote Sensing.

Survey of India was entrusted with the responsibility to generate, prepare and provide various types of Geo-spatial datasets i.e. mapping and preparing the Digital Elevation Model (DEM) of 0.5m & 3-5 m

for River Basin areas (plain), up to 5 km on both the sides of river and GIS ready data of SOI Topo sheets on 1: 25 K scale.

II.NATIONAL MISSION FOR CLEAN GANGA (NMCG)



This project is an integrated conservation mission, approved as flagship program by the Union Government in June 2014 accomplish the twin objectives of effective abatement of pollution, conservation and rejuvenation of the national river Ganga.

Objective of the Project was to generate High Resolution DEM and GIS ready database for the part of River Ganga with latest technology. The mapping of mainstream of river Ganga in five major states namely Uttarakhand, Uttar Pradesh, Jharkhand, Bihar and West Bengal covering major towns and cities along the river Ganga and its tributaries in these states with an area of Two lakh fifty thousand square km. To provide a major support to Ganga River Basin Management by embedding GIS in different aspects of - planning and implementation at national/state/local levels; bringing GIS support in decision-making; enable a sound process of monitoring development and identifying critical hotspots. To make GIS data available at all levels and groups associated in this process – that helps bringing accountability and responsibility in policy decisions.

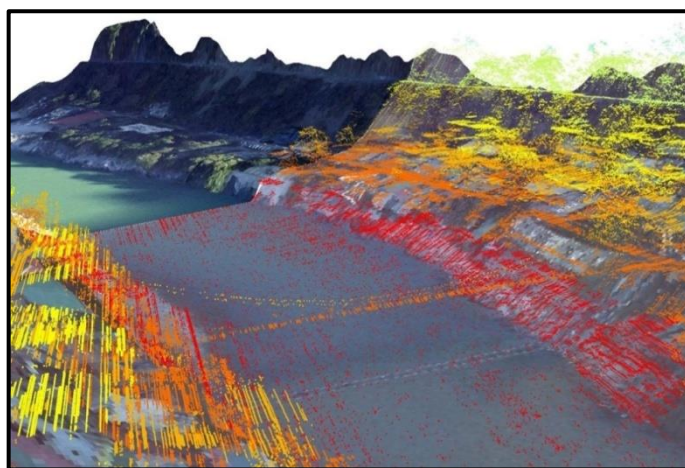


Fig 5: LiDAR Point Cloud Data

Survey of India was tasked to generate High-Resolution Digital Elevation Model (DEM) of 0.5 meter resolution and GIS based data for the part of River Ganga covering up to 10 km extent on both sides of the river using latest technology.

III.CENTRAL MINE PLANNING AND DESIGN INSTITUTE (CMPDI)

Survey of India generated up-to-date digital topographical maps of 27 Major Indian Coal fields. Chhattisgarh, Jharkhand, Madhya Pradesh, Maharashtra & Goa, Meghalaya & Arunachal Pradesh, Orissa and W.B & Sikkim GD's Major Indian Coal fields covering an area of 30,488 sq.km. for Central Mine Planning & Design Institute (CMPDI), a subsidiary of Coal India Limited using aerial photographs and adequate ground checks. To generate the Topographical maps of the major coalfields on 1:5000 scale with 2 meter contour interval in Plains (in case of hilly terrain contour interval may be 3-5 meter as practical) in GIS digital format based on Digital Photogrammetric Techniques using high resolution aerial photographs and adequate ground verification. Survey of India also imparted training on data processing and interpretation to scientists of CMPDI at the initial stage on preparation of Topographical maps based on aerial photographs using digital photogrammetric technique.

IV. INTEGRATED COASTAL ZONE MANAGEMENT (ICZM)

To ensure effective protection of shorelines, coastal infrastructure, livelihoods and lives through improved coastal management a Coastal Management Program undertaken by Ministry of Environment & Forest (MoEF) and entrusted the work of supplying a requisite coastal data and vulnerability mapping, (involving hazard line demarcation of coastal areas) to Survey of India through its Integrated Coastal Zone Management (ICZM) Project.

The objective of the project was to delineate, map and benchmark the coastal hazard line all along the mainland coast of India under World Bank Assisted “Integrated Coastal Zone Management” (ICZM) project, where SURVEY OF INDIA had to generate a 0.5 meter elevation contour map on 1:10,000 scale as base map to delineate the Hazard Line for the entire mainland coast of India up to the maximum width of 7 km from shore line on the landward side.

V. NATIONAL URBAN INFORMATION SYSTEM (NUIS)

Survey of India has undertaken the task of mapping of 152 towns on 1:2000 scales for core area and 1:10,000 scale for the peripheral areas under National Urban Information Scheme (NUIS), of Ministry of Urban Development.

1:10,000 Scale Survey: Satellite Imagery of 152 towns had been received, and scanning was done for 151 towns for thematic mapping. Thematic mapping of 132 towns has been completed, and final product of 100 towns has been sent to State Nodal Agency.

1:2,000 Scale Surveys: Aerial Photography of 133 towns received and scanned. Control points of 126 towns have been completed. 2D feature extraction of 94 towns has been completed. Ground survey of 4 towns using total station had been completed. Data pertaining to 89 towns has been sent to State Nodal Agency.

VI. SURVEY OF VILLAGES ABADI AND MAPPING WITH IMPROVISED TECHNOLOGY IN VILLAGE AREAS (SVAMITVA)

Survey of Villages Abadi & Mapping with Improved Technology in Village Areas (SVAMITVA) Scheme is a Central Sector scheme launched by Hon’ble Prime Minister of India on National Panchayat Day i.e. 24th April 2020. The Ministry of Panchayati Raj (MoPR) is the Nodal Ministry for implementation of the scheme. In the States, the Revenue Department / Land Records Department will be the Nodal Department and shall carry out the scheme with support of State Panchayati Raj Department. Survey of India is the technology partner for implementation.

The scheme aims to provide ‘**record of rights**’ to village household owners possessing houses in inhabited rural areas using Drone Surveying technology. Ortho Rectified Image (ORI) & Digital Elevation Models are generated in Lab from images captured by drone.

The scheme provides an integrated property validation solution for rural India. The demarcation of rural abadi areas would be done using Drone Surveying technology. This would provide the ‘record of rights’ to village household owners possessing houses in inhabited rural areas in villages which, in turn, would

enable them to use their property as a financial asset for taking loans and other financial benefits from Bank. **Ortho Rectified Image (ORI) of 5 cm resolution** are generated from images captured by drone.

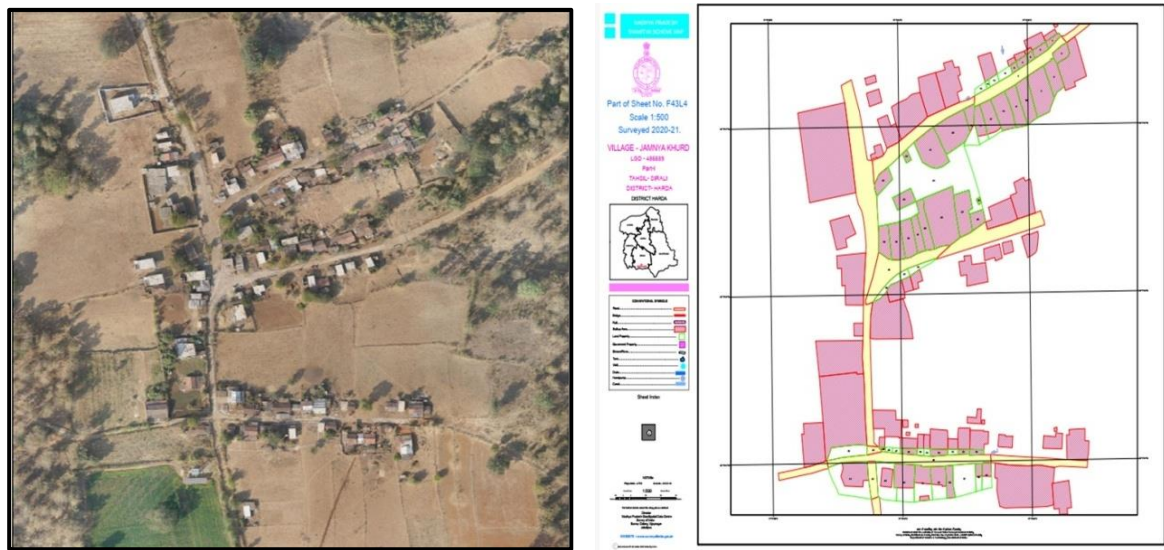


Fig 6: Ortho Rectified Image and feature extraction of abadi area

VII.LARGE SCALE MAPPING (LSM)

Survey of India in collaboration with the State Government authorities is executing large scale mapping projects using Professional Survey Grade Unmanned Aerial Vehicle/ Drone, for generation of high-resolution Ortho-rectified imagery, digital elevation model & GIS enabled data. Currently LSM is being carried out in states/UTs of Haryana, Karnataka, Andhra Pradesh and Andaman & Nicobar Island. Ortho Rectified Image (ORI) of 5 cm resolution are generated from images captured by drone.



Fig 7: Ortho Rectified Image and feature extraction

VIII. NATIONAL GEOSPATIAL KNOWLEDGE – BASED LAND SURVEY OF URBAN HABITATIONS (NAKSHA):



The **Department of Land Resources (DoLR)** has launched a pilot program titled "**NAKSHA**" — *National Geospatial Knowledge' based land Survey of urban Habitations* — for the creation of accurate and up-to-date **land records in**

urban areas. Survey of India, as the technical partner, will carry out high-resolution mapping using manned and unmanned systems. The project aims to modernize urban land records through advanced aerial survey technologies. The launch marks a significant step toward accurate, up-to-date urban land records and better urban governing.

Key Features of the NAKSHA Programme:

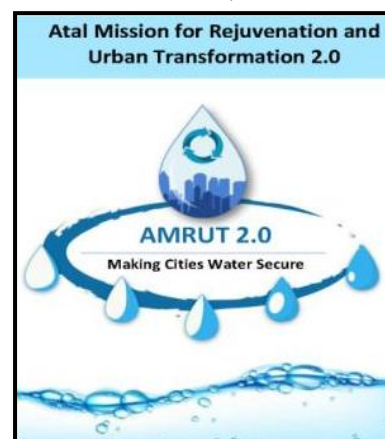
Technologies Used:

- i. Nadir Camera for generation of ORI and DEM and creation of 2D dataset
- ii. Multi-angle Camera (1 nadir + 4 oblique) and data acquisition for generation of ORI, DEM, 3D reality Model and creation of 3D GIS dataset.
- iii. Multi-angle Camera with LiDAR Sensor for generation of ORI, DEM, 3D reality Model and creation of 3D GIS dataset.
- iv. Coverage: Pilot to be implemented in 128 cities across India. The project is in progress.
- v. Deliverables: ORI (5 cm resolution) and DEM (50 cm resolution).

IX. ATAL MISSION FOR REJUVENATION AND URBAN TRANSFORMATION 2.0 (AMRUT 2.0):

A Memorandum of Understanding (MoU) was signed between the Survey of India (SoI) and the Ministry of Housing and Urban Affairs (MoHUA) for the execution of drone-based surveys under the AMRUT 2.0 GIS Sub-Scheme.

The objective of this collaboration is to generate large-scale urban geospatial data using professional survey-grade Drones/UAVs for small and medium towns with populations ranging from 50,000 to 99,000. This initiative supports evidence-based urban planning and contributes to the creation of smart, resilient, and sustainable towns in India.



Key Highlights:

- Technology Used: High-precision survey-grade drones/UAVs
- Deliverables: ORI (5 cm resolution) and DEM (50 cm resolution)
- Purpose: Creation of detailed urban geospatial datasets for planning, infrastructure development, and governance

5. OTHER MAPS

I.STATE/UT MAPS

The geographical map of a state depicts the state boundary, district boundaries, and sub-divisional boundaries, Major cities, towns, rivers, lakes, important monuments along with important transport routes like national and state highways and railways, important rivers, lakes for spatial reference. Second edition (Tamil) & Third edition (English) of State/UT map of Tamilnadu & Puducherry was published in 2025 on 1:1M scale.

II.OTHER GEOGRAPHICAL MAPS

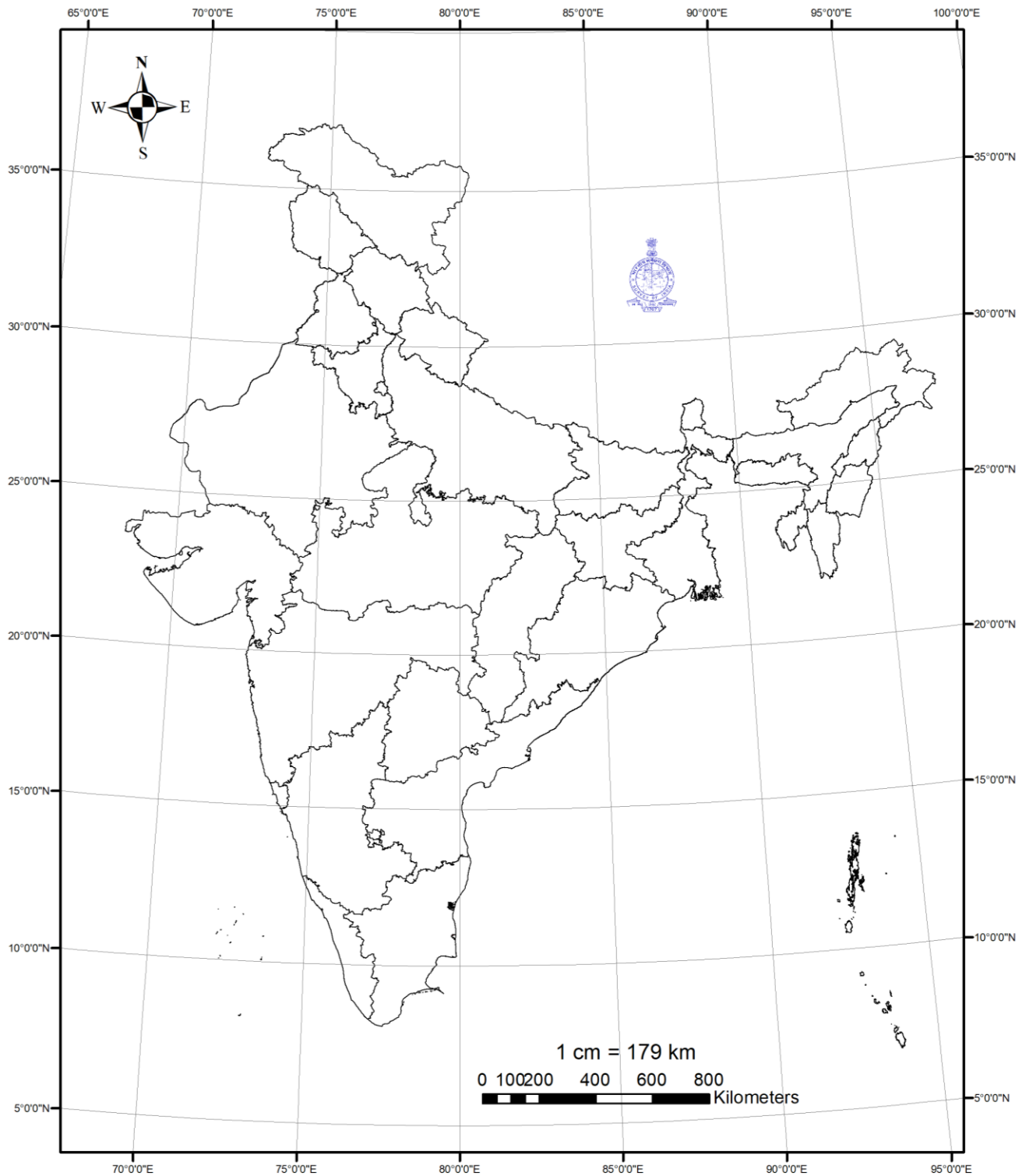
These are small-scale maps covering larger area and published with themes for specific purposes. Various geographical maps available in vector format (Shape file) & PDF format are as follows:

- i. **Railway Map of India - Scale 1:3.5M:** This dataset provides comprehensive information about India's railway network. It includes data showing railway lines, stations, and important junctions across the country.
- ii. **Political Map of India - Scale 1:4M:** This dataset offers detailed information on India's political boundaries. It includes maps that delineate state and union territory borders, major cities, and administrative divisions.
- iii. **Road Map of India - Scale 1:2.5M:** This dataset features an extensive road network of India. It includes data highlighting national and state highways, important routes, and major cities.
- iv. **India & Adjacent Countries - Scale 1:2.5M:** This dataset includes detailed maps of India and its neighboring countries. It provides information on the road networks, major cities, and international borders.
- v. **Physical Map of India - Scale 1:4.5M:** This dataset showcases India's physical geography. It includes maps displaying topographical features such as mountains, rivers, plains, and plateaus.
- vi. **World Map - Scale 1:20M:** This dataset provides a global perspective with detailed world maps. It includes information on continents, countries, and major geographical features.

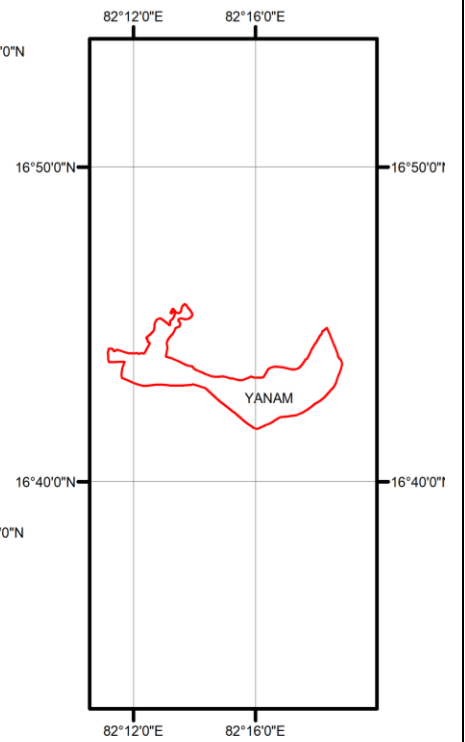
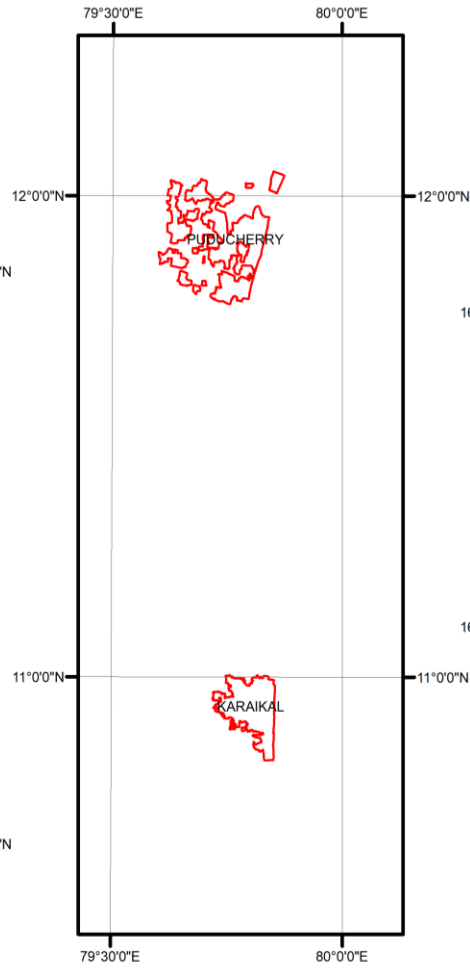
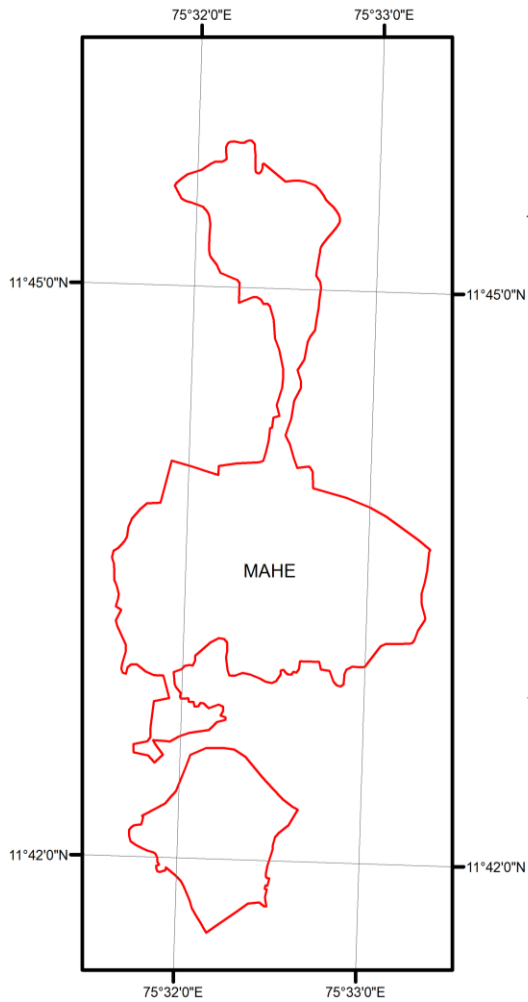
Note: All area measurements presented in this document are derived from digital data (shape files) projected using the Lambert Conformal Conic (LCC) projection based on the World Geodetic System 1984 (WGS 84) datum.

Digital Data Register

UT:- Puducherry



UT:- PUDUCHERRY

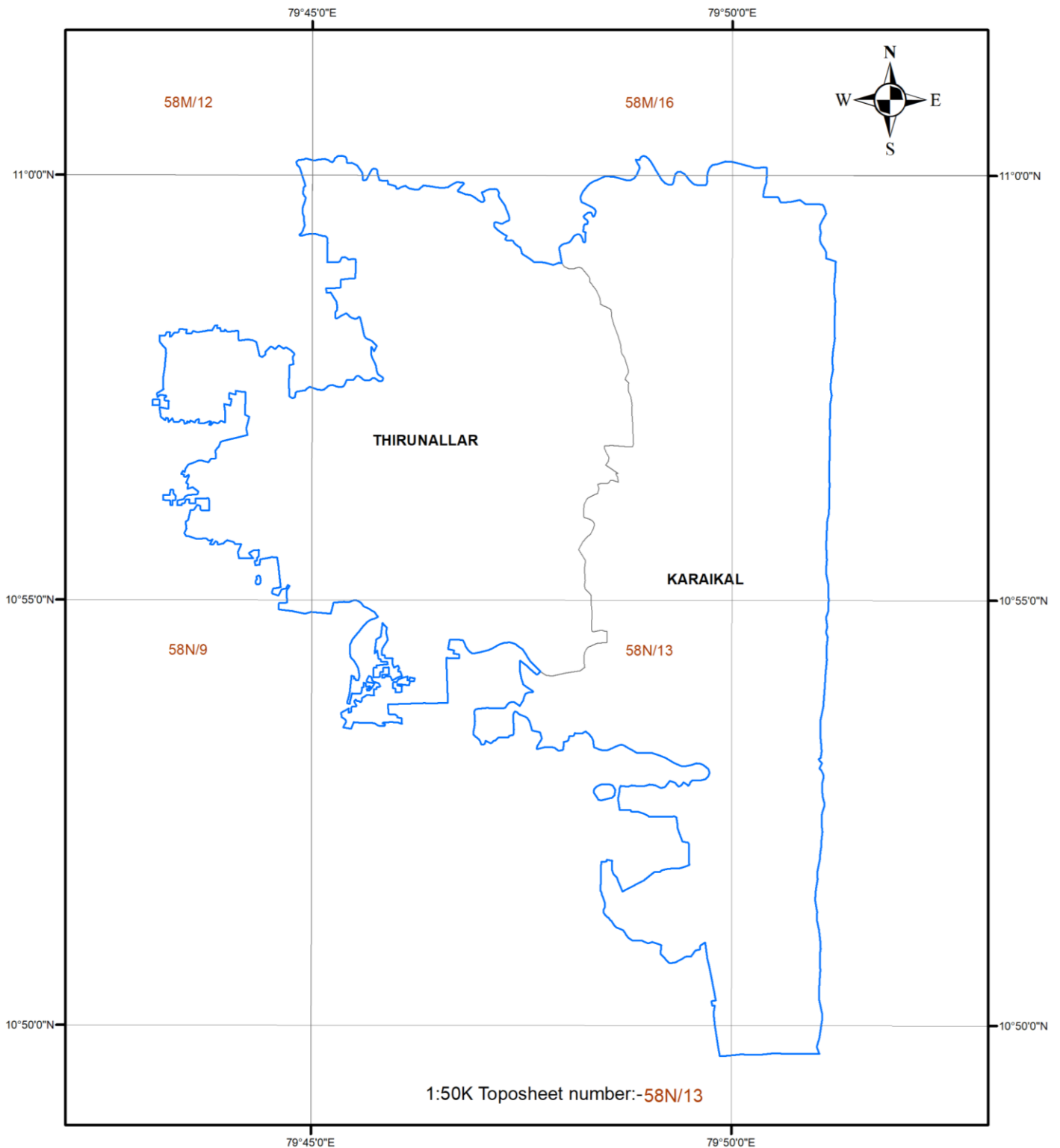


SUMMARY: PUDUCHERRY

Area: 499.89 sq. km

Sl. No	Project - Name	Projection & Datum	Vintage	Area(In Sq km)/No. of Towns or villages	Raster			Vector			Remarks
					ORI (Res.)	DEM (Res.)	Data Format	Scale	Contour Interval	Data Format	
1	OSM	UTM/WGS84	2003-2009	499.89	-	-	.tiff, .pdf	1:50K	10/20m	.gdb, .shp, .dgn	
2	DSM	LCC/WGS84	2003-2009	499.89	-	-	.tiff .pdf	1:50K	10/20m	.dgn	Only for Defence
3	ABDB	LCC/WGS84	2024-2025	499.89	-	-	-	1:50K	-	.shp	
4	DEM	UTM/WGS84	2003-2009	499.89	-	10 m	.tiff	-	-	-	
5	NHP (3-5m DEM)	UTM/WGS84	2017-2021	30.62	80 cm	10 m	.tiff	1:25K	5/10 m	.gdb	
6	NHP (0.5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
7	NMCG	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
8	CMPDI	UTM/WGS84	2012-2019	-	-	-	-	-	-	-	
9	ICZM	UTM/WGS84	2011-2012	293.46	10 cm	0.5 m	.tiff	1:10 K	0.5 m	.gdb	
10	NUIS	UTM/WGS84	2008-2011	1	15 cm	2m	.tiff, .img	1:2 K	2 m	.dgn,.gdb	
11	SVAMITVA	UTM/WGS84	2021-2025	96 Villages	5 cm	*50 cm	.tiff	1:500	-	.gdb	*DSM:- Digital Surface Model
12	LSM	UTM/WGS84	2019-2024	-	-	-	-	-	-	-	
13	NAKSHA	UTM/WGS84	Ongoing	1	5 cm	50 cm	.tiff	1:500	-	.gdb	
14	AMRUT	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	

DISTRICT - KARAIKAL



SUB DISTRICT - KARAIKAL

Area: 86.88 sq. km

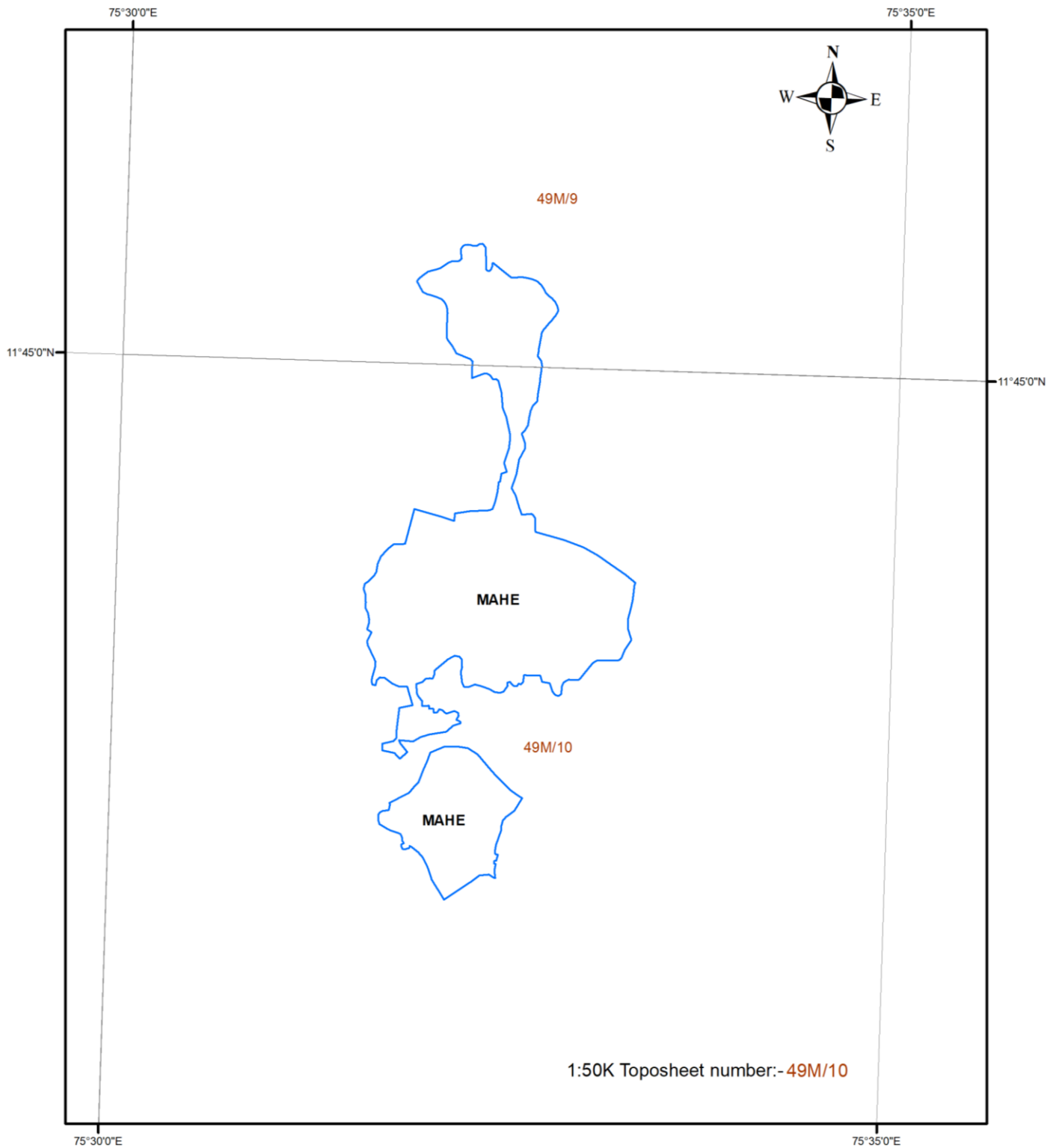
Sl. No	Project - Name	Projection & Datum	Vintage	Area(In Sq km)/No. of Towns or villages	Raster			Vector			Remarks
					ORI (Res.)	DEM (Res.)	Data Format	Scale	Contour Interval	Data Format	
1	OSM	UTM/WGS84	2003-2009	86.88	-	-	.tiff, .pdf	1:50K	10/20m	.gdb, .shp, .dgn	
2	DSM	LCC/WGS84	2003-2009	86.88	-	-	.tiff .pdf	1:50K	10/20m	.dgn	Only for Defence
3	ABDB	LCC/WGS84	2024-2025	86.88	-	-		1:50K	-	.shp	
4	DEM	UTM/WGS84	2003-2009	86.88	-	10 m	.tiff	-	-	-	
5	NHP (3-5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
6	NHP (0.5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
7	NMCG	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
8	CMPDI	UTM/WGS84	2012-2019	-	-	-	-	-	-	-	
9	ICZM	UTM/WGS84	2011-2012	86.50	10 cm	0.5 m	.tiff	1:10 K	0.5 m	.gdb	
10	NUIS	UTM/WGS84	2008-2011	1	15 cm	2 m	.tiff, .img	1:2 K	2 m	.dgn,.gdb	KARAIKAL
11	SVAMITVA	UTM/WGS84	2021-2025	13 Villages	5 cm	*50 cm	.tiff	1:500	-	.gdb	*DSM:- Digital Surface Model
12	LSM	UTM/WGS84	2019-2024	-	-	-	-	-	-	-	
13	NAKSHA	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	
14	AMRUT	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	

SUB DISTRICT - THIRUNALLAR

Area: 73.66 sq. km

Sl. No	Project - Name	Projection & Datum	Vintage	Area(In Sq km)/No. of Towns or villages	Raster			Vector			Remarks
					ORI (Res.)	DEM (Res.)	Data Format	Scale	Contour Interval	Data Format	
1	OSM	UTM/WGS84	2003-2009	73.66	-	-	.tiff, .pdf	1:50K	10/20m	.gdb, .shp, .dgn	
2	DSM	LCC/WGS84	2003-2009	73.66	-	-	.tiff, .pdf	1:50K	10/20m	.dgn	Only for Defence
3	ABDB	LCC/WGS84	2024-2025	73.66	-	-	-	1:50K	-	.shp	
4	DEM	UTM/WGS84	2003-2009	73.66	-	10 m	.tiff	-	-	-	
5	NHP (3-5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
6	NHP (0.5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
7	NMCG	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
8	CMPDI	UTM/WGS84	2012-2019	-	-	-	-	-	-	-	
9	ICZM	UTM/WGS84	2011-2012	28.37	10 cm	0.5 m	.tiff	1:10 K	0.5 m	.gdb	
10	NUIS	UTM/WGS84	2008-2011	-	-	-	-	-	-	-	
11	SVAMITVA	UTM/WGS84	2021-2025	16 Villages	5 cm	*50 cm	.tiff	1:500	-	.gdb	*DSM:- Digital Surface Model
12	LSM	UTM/WGS84	2019-2024	-	-	-	-	-	-	-	
13	NAKSHA	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	
14	AMRUT	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	

DISTRICT – MAHE

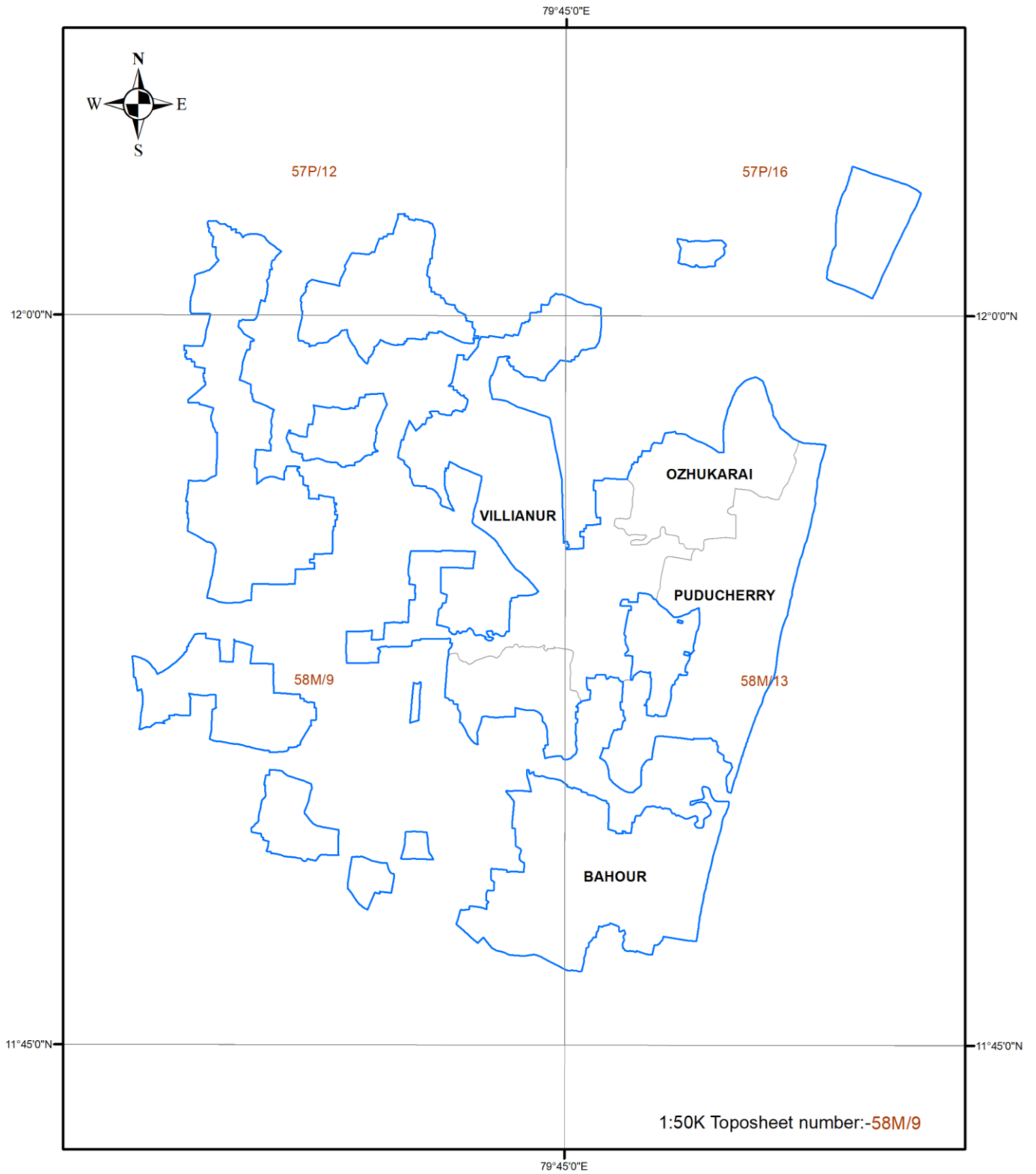


SUB DISTRICT - MAHE

Area: 9.02 sq. km

Sl. No	Project - Name	Projection & Datum	Vintage	Area(In Sq km)/No. of Towns or villages	Raster			Vector			Remarks
					ORI (Res.)	DEM (Res.)	Data Format	Scale	Contour Interval	Data Format	
1	OSM	UTM/WGS84	2003-2009	9.02	-	-	.tiff, .pdf	1:50K	10/20m	.gdb, .shp, .dgn	
2	DSM	LCC/WGS84	2003-2009	9.02	-	-	.tiff, .pdf	1:50K	10/20m	.dgn	Only for Defence
3	ABDB	LCC/WGS84	2024-2025	9.02	-	-		1:50K	-	.shp	
4	DEM	UTM/WGS84	2003-2009	9.02	-	10 m	.tiff	-	-	-	
5	NHP (3-5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
6	NHP (0.5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
7	NMCG	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
8	CMPDI	UTM/WGS84	2012-2019	-	-	-	-	-	-	-	
9	ICZM	UTM/WGS84	2011-2012	8.99	10 cm	0.5 m	.tiff	1:10 K	0.5 m	.gdb	
10	NUIS	UTM/WGS84	2008-2011	-	-	-	-	-	-	-	
11	SVAMITVA	UTM/WGS84	2021-2025	-	-	-	-	-	-	-	
12	LSM	UTM/WGS84	2019-2024	-	-	-	-	-	-	-	
13	NAKSHA	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	
14	AMRUT	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	

DISTRICT - PUDUCHERRY



SUB DISTRICT - BAHOUR

Area: 86.08 sq. km

Sl. No	Project - Name	Projection & Datum	Vintage	Area(In Sq km)/No. of Towns or villages	Raster			Vector			Remarks
					ORI (Res.)	DEM (Res.)	Data Format	Scale	Contour Interval	Data Format	
1	OSM	UTM/WGS84	2003-2009	86.08	-	-	.tiff, .pdf	1:50K	10/20m	.gdb, .shp, .dgn	
2	DSM	LCC/WGS84	2003-2009	86.08	-	-	.tiff .pdf	1:50K	10/20m	.dgn	Only for Defence
3	ABDB	LCC/WGS84	2024-2025	86.08	-	-		1:50K	-	.shp	
4	DEM	UTM/WGS84	2003-2009	86.08	-	10 m	.tiff	-	-	-	
5	NHP (3-5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
6	NHP (0.5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
7	NMCG	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
8	CMPDI	UTM/WGS84	2012-2019	-	-	-	-	-	-	-	
9	ICZM	UTM/WGS84	2011-2012	51.11	10 cm	0.5 m	.tiff	1:10 K	0.5 m	.gdb	
10	NUIS	UTM/WGS84	2008-2011	-	-	-	-	-	-	-	
11	SVAMITVA	UTM/WGS84	2021-2025	22 Villages	5 cm	*50 cm	.tiff	1:500	-	.gdb	*DSM:- Digital Surface Model
12	LSM	UTM/WGS84	2019-2024	-	-	-	-	-	-	-	
13	NAKSHA	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	
14	AMRUT	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	

SUB DISTRICT - OZHUKARAI

Area: 35.19 sq. km

Sl. No	Project - Name	Projection & Datum	Vintage	Area(In Sq km)/No. of Towns or villages	Raster			Vector			Remarks
					ORI (Res.)	DEM (Res.)	Data Format	Scale	Contour Interval	Data Format	
1	OSM	UTM/WGS84	2003-2009	35.19	-	-	.tiff, .pdf	1:50K	10/20m	.gdb, .shp, .dgn	
2	DSM	LCC/WGS84	2003-2009	35.19	-	-	.tiff .pdf	1:50K	10/20m	.dgn	Only for Defence
3	ABDB	LCC/WGS84	2024-2025	35.19	-	-		1:50K	-	.shp	
4	DEM	UTM/WGS84	2003-2009	35.19	-	10 m	.tiff	-	-	-	
5	NHP (3-5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
6	NHP (0.5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
7	NMCG	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
8	CMPDI	UTM/WGS84	2012-2019	-	-	-	-	-	-	-	
9	ICZM	UTM/WGS84	2011-2012	35.19	10 cm	0.5 m	.tiff	1:10 K	0.5 m	.gdb	
10	NUIS	UTM/WGS84	2008-2011	-	-	-	-	-	-	-	
11	SVAMITVA	UTM/WGS84	2021-2025	-	-	-	-	-	-	-	
12	LSM	UTM/WGS84	2019-2024	-	-	-	-	-	-	-	
13	NAKSHA	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	
14	AMRUT	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	

SUB DISTRICT - PUDUCHERRY

Area: 43.80 sq. km

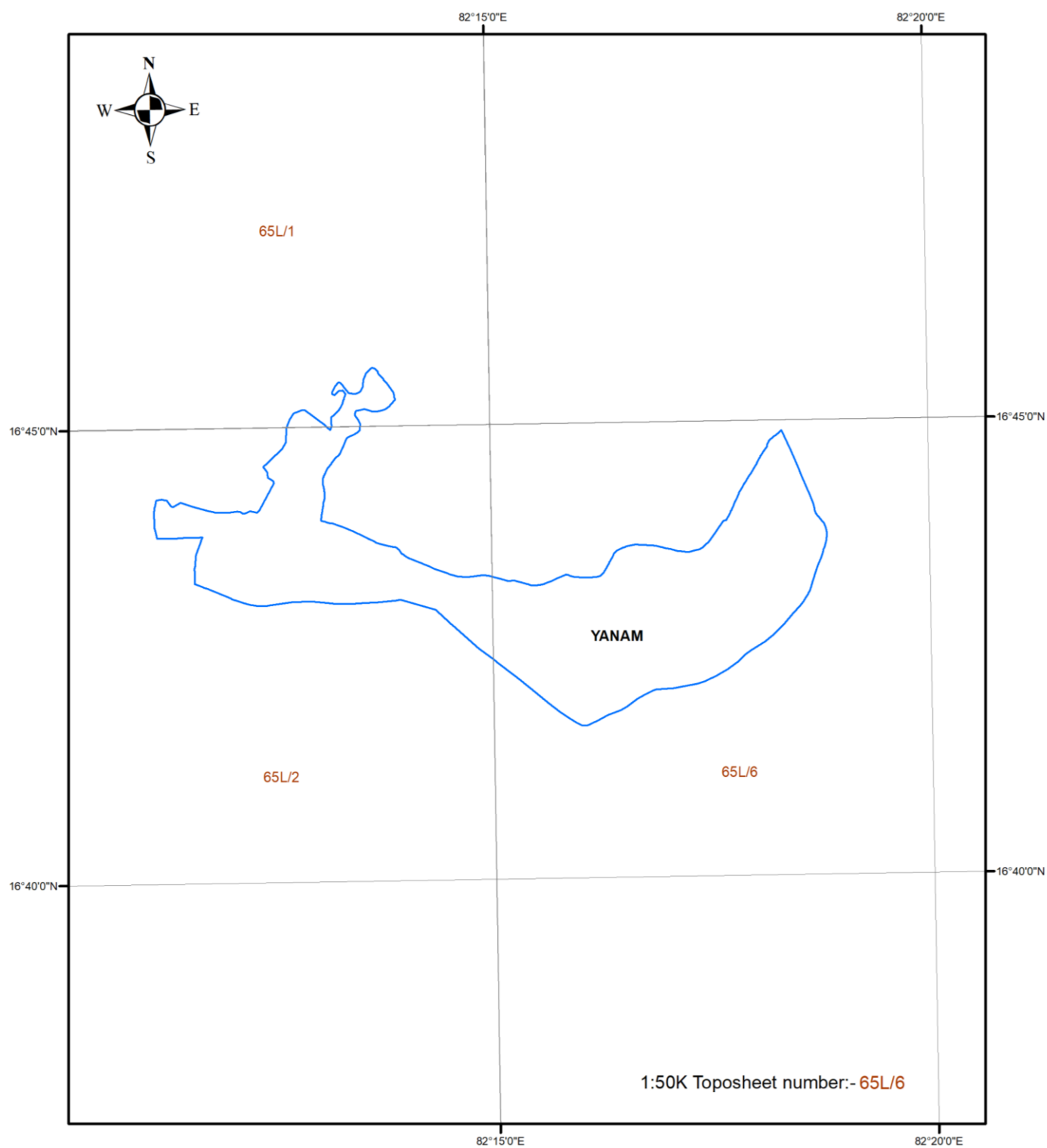
Sl. No	Project - Name	Projection & Datum	Vintage	Area(In Sq km)/No. of Towns or villages	Raster			Vector			Remarks
					ORI (Res.)	DEM (Res.)	Data Format	Scale	Contour Interval	Data Format	
1	OSM	UTM/WGS84	2003-2009	43.80	-	-	.tiff, .pdf	1:50K	10/20m	.gdb, .shp, .dgn	
2	DSM	LCC/WGS84	2003-2009	43.80	-	-	.tiff .pdf	1:50K	10/20m	.dgn	Only for Defence
3	ABDB	LCC/WGS84	2024-2025	43.80	-	-		1:50K	-	.shp	
4	DEM	UTM/WGS84	2003-2009	43.80	-	10 m	.tiff	-	-	-	
5	NHP (3-5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
6	NHP (0.5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
7	NMCG	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
8	CMPDI	UTM/WGS84	2012-2019	-	-	-	-	-	-	-	
9	ICZM	UTM/WGS84	2011-2012	43.71	10 cm	0.5 m	.tiff	1:10 K	0.5 m	.gdb	
10	NUIS	UTM/WGS84	2008-2011	-	-	-	-	-	-	-	
11	SVAMITVA	UTM/WGS84	2021-2025	6 Villages	5 cm	*50 cm	.tiff	1:500	-	.gdb	*DSM:- Digital Surface Model
12	LSM	UTM/WGS84	2019-2024	-	-	-	-	-	-	-	
13	NAKSHA	UTM/WGS84	Ongoing	1	5 cm	50 cm	.tiff	1:500	-	.gdb	MURUNGAPAKKAM
14	AMRUT	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	

SUB DISTRICT - VILLIANUR

Area: 134.64 sq. km

Sl. No	Project - Name	Projection & Datum	Vintage	Area(In Sq km)/No. of Towns or villages	Raster			Vector			Remarks
					ORI (Res.)	DEM (Res.)	Data Format	Scale	Contour Interval	Data Format	
1	OSM	UTM/WGS84	2003-2009	134.64	-	-	.tiff, .pdf	1:50K	10/20m	.gdb, .shp, .dgn	
2	DSM	LCC/WGS84	2003-2009	134.64	-	-	.tiff .pdf	1:50K	10/20m	.dgn	Only for Defence
3	ABDB	LCC/WGS84	2024-2025	134.64	-	-		1:50K	-	.shp	
4	DEM	UTM/WGS84	2003-2009	134.64	-	10 m	.tiff	-	-	-	
5	NHP (3-5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
6	NHP (0.5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
7	NMCG	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
8	CMPDI	UTM/WGS84	2012-2019	-	-	-	-	-	-	-	
9	ICZM	UTM/WGS84	2011-2012	19.40	10 cm	0.5 m	.tiff	1:10 K	0.5 m	.gdb	
10	NUIS	UTM/WGS84	2008-2011	-	-	-	-	-	-	-	
11	SVAMITVA	UTM/WGS84	2021-2025	39 Villages	5 cm	*50 cm	.tiff	:500	-	.gdb	*DSM:- Digital Surface Model
12	LSM	UTM/WGS84	2019-2024	-	-	-	-	-	-	-	
13	NAKSHA	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	
14	AMRUT	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	

DISTRICT - YANAM



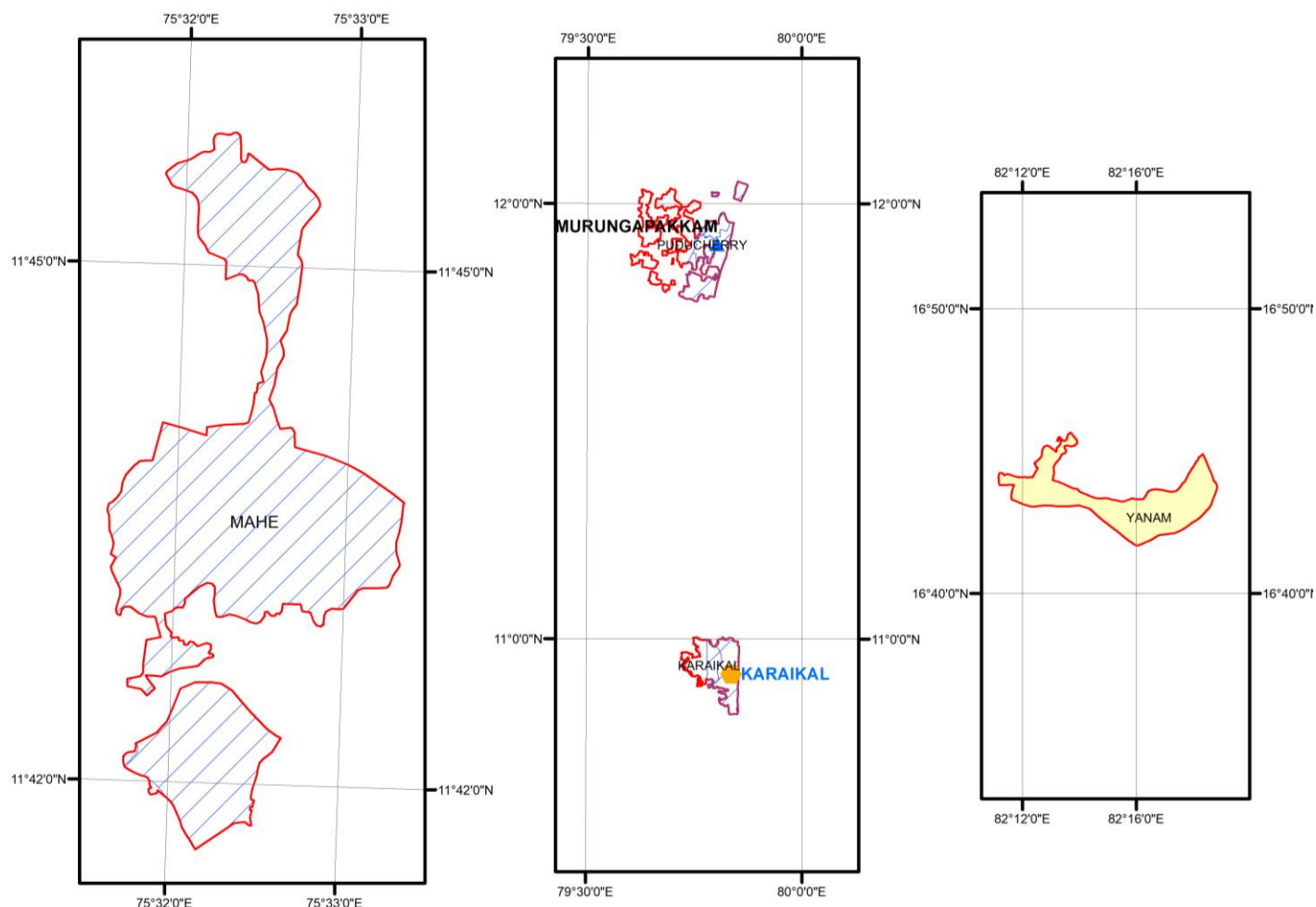
SUB DISTRICT - YANAM

Area: 30.62 sq. km

Sl. No	Project - Name	Projection & Datum	Vintage	Area(In Sq km)/No. of Towns or villages	Raster			Vector			Remarks
					ORI (Res.)	DEM (Res.)	Data Format	Scale	Contour Interval	Data Format	
1	OSM	UTM/WGS84	2003-2009	30.62	-	-	.tiff, .pdf	1:50K	10/20m	.gdb, .shp, .dgn	
2	DSM	LCC/WGS84	2003-2009	30.62	-	-	.tiff .pdf	1:50K	10/20m	.dgn	Only for Defence
3	ABDB	LCC/WGS84	2024-2025	30.62	-	-		1:50K	-	.shp	
4	DEM	UTM/WGS84	2003-2009	30.62	-	10 m	.tiff	-	-	-	
5	NHP (3-5m DEM)	UTM/WGS84	2017-2021	30.62	80 cm	10 m	.tiff	1:25K	5/10 m	.gdb	
6	NHP (0.5m DEM)	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
7	NMCG	UTM/WGS84	2017-2021	-	-	-	-	-	-	-	
8	CMPDI	UTM/WGS84	2012-2019	-	-	-	-	-	-	-	
9	ICZM	UTM/WGS84	2011-2012	20.19	10 cm	0.5 m	.tiff	1:10 K	0.5 m	.gdb	
10	NUIS	UTM/WGS84	2008-2011	-	-	-	-	-	-	-	
11	SVAMITVA	UTM/WGS84	2021-2025	-	-	-	-	-	-	-	
12	LSM	UTM/WGS84	2019-2024	-	-	-	-	-	-	-	
13	NAKSHA	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	
14	AMRUT	UTM/WGS84	Ongoing	-	-	-	-	-	-	-	

SOI PROJECTS IN PUDUCHERRY UT

Sol Projects:- PUDUCHERRY

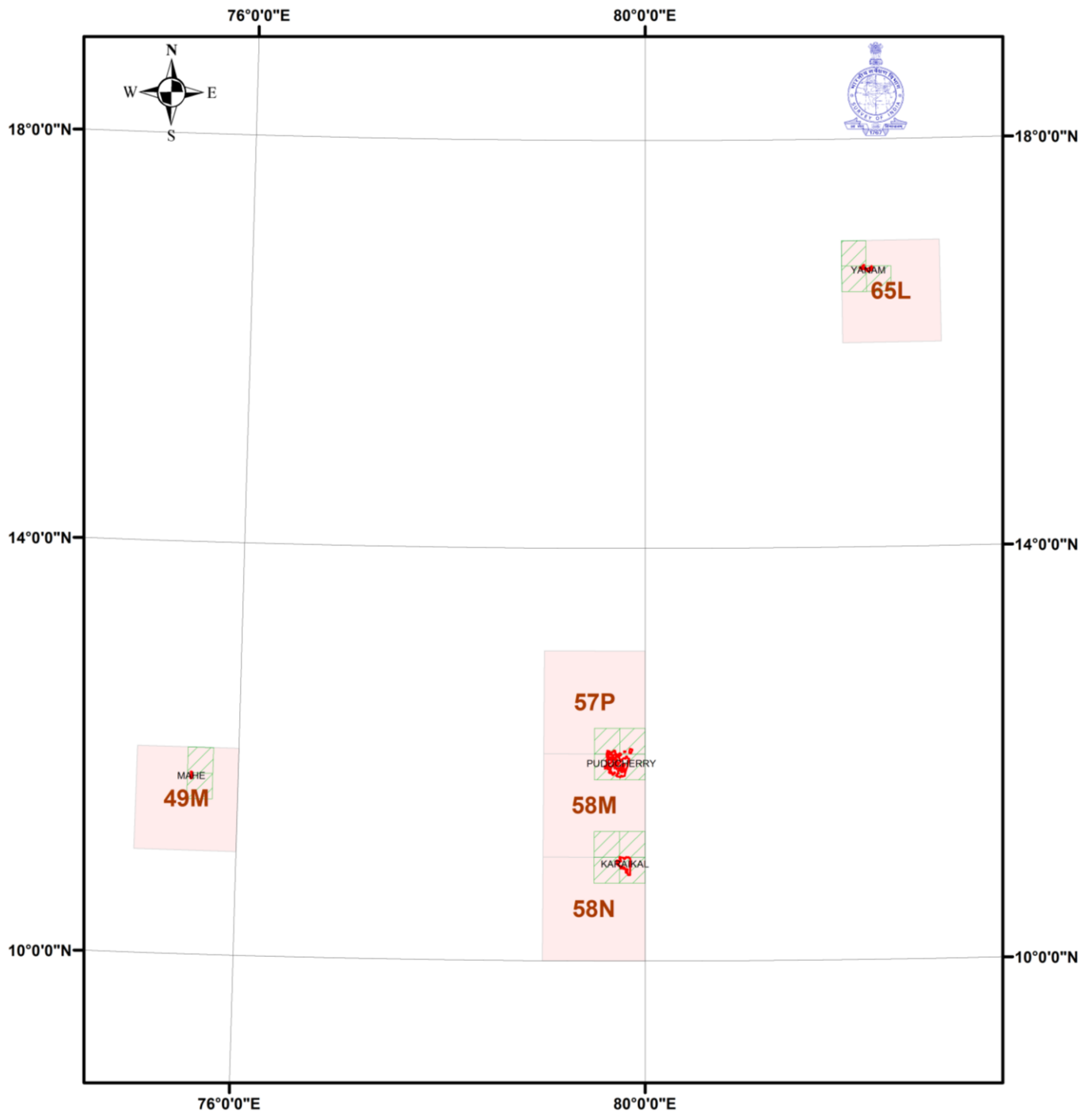




NUIS= National Urban Information System
 NHP= National Hydrology Project
 ICZM= Integrated Coastal Zone Management
 DEM= Digital Elevation Model

DATA AVAILABILITY	
	NUIS
	NAKSHA
	ICZM
	NHP_3-5m_DEM
	DISTRICT_BOUNDARY
	STATE_BOUNDARY

TOPOGRAPHICAL MAPS OF PUDUCHERRY UT

UT:- Puducherry



1:50K Toposheet number:-  58N9
1:250K Toposheet number:-  58N

For more details reach us on :



NGDR & UGI Directorate
Survey of India, Block 6,
Hathibarkala Estate
Dehradun- 248001



Tamilnadu, Puducherry and Andaman
& Nicobar Island Geo-spatial
Directorate, Survey of India 3rd & 4th
Floors, New Additional Office
Building, Shastri Bhavan, 26 Haddows
Road Nungumbakkam
Chennai-600006



ngdc.soi@gov.in



tnpani.gdc.soi@gov.in



0135-2977974



044-22501293



SOIDST



surveyofindia



onlinemaps.surveyofindia.gov.in



india_soi



surveyofindia