



GOVERNMENT OF PUDUCHERRY
புதுச்சேரி அரசு

A
REPORT

COMPILATION OF HOUSING STATISTICS

2017 - 2021

Directorate of Economics and Statistics
Puducherry

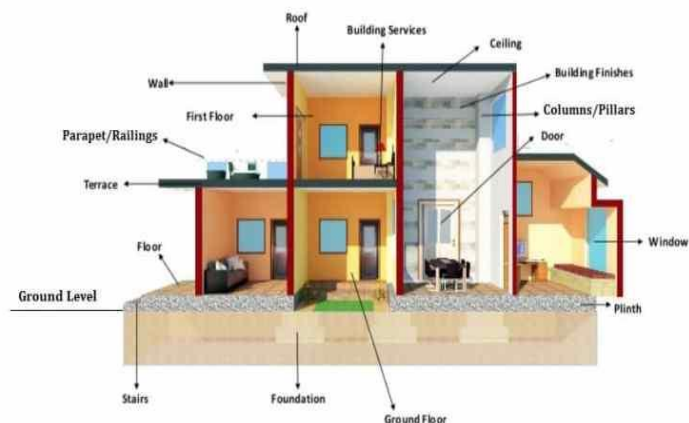
CONTENTS

Chapter No.	Subject	Page No.
1	Introduction	1
2	Methodology	3
3	Data tables	
	3.1. Classification based on Permits issued	4
	3.2. Classification based on Completion Status	9
4	Analysis	
	4.1. Compliance of completed buildings with permit issued	20
5	Observations	
	5.1. Permits Issued	27
	5.2. Completed Building	29
	5.3. Permit issued vs Completed building	33

1. Introduction

A building is a structure with a roof and walls standing permanently in one place. Buildings come in various forms, sizes, and purposes, serving as shelter, places of work, residence, or recreation. They are constructed using different materials, such as concrete, wood, steel, or a combination of these, and can range from small structures like houses to large complexes.

The design and construction of buildings involve various disciplines, including architecture, engineering, and construction management. Building codes and regulations govern the construction process to ensure safety, accessibility, and adherence to established standards. Buildings play a crucial role in shaping the urban and rural environments, providing spaces for people to live, work, and interact.



Compilation of Housing Statistics: The term "Compilation of Housing Statistics " can refer to various types of statistical information related to buildings and construction.

Construction Statistics: This could involve statistical data related to the construction industry, such as the number of new buildings, types of construction projects, construction costs, employment in the construction sector, and other relevant metrics.

Building Performance Statistics: This might include statistics on the performance of buildings, such as energy efficiency, maintenance costs, occupancy rates, and other factors that measure how well a building is functioning.

Real Estate Statistics: Compilation of Housing Statistics could also be related to the real estate market, encompassing data on property values, rental rates, vacancy rates, and trends in the real estate industry.

Structural Statistics: This could involve data on the structural aspects of buildings, such as the materials used, construction methods, and safety statistics

Usage Statistics: These statistics could provide information on how buildings are being used, including residential, commercial, industrial, or institutional purposes.

In summary, the term "Compilation of Housing Statistics " can cover a wide range of statistical information related to the construction, performance, and usage of buildings, depending on the context in which it is used.

UT of Puducherry Planning Authorities: Puducherry Planning Authority was established during November 1972 to exercise control over the urban development with power to issue permits for the construction of buildings under the provisions of the "The Puducherry Town & Country Planning Act, 1969" in Puducherry, Karaikal, Mahe and Yanam. The Puducherry Planning Authority is authorized to prescribe uses of land within the jurisdiction of Puducherry region.

Functions of the UT of Puducherry Planning Authority: This Authority issues permits for all developmental works within the Planning Area, Collects Development charges, issues site clearances certificate /no objection certificates for power and water connections and initiates action against violations of provisions by the Town and Country Planning Rules, Buildings Bye-laws and Zoning Regulations. This Authority also provides accreditation to Town Planners/Engineers/Architects/Structural Engineers/Quality Auditors /Construction Engineers/Developers/Licensed Supervisors to practice as registered Town Planner/Architects/Structural Engineers/Quality Auditor/Engineer/licensed supervisors/Developer within Union Territory of Puducherry region Mandatory functions under the provisions of the TCPD Act.

Scope of the Survey: The survey is to study the usage, structural and cost statistics of the building with comparison between the Permits given and the completion status.



2. Methodology

Unit of survey: The basic unit of survey is the building approvals given by the Planning authorities and the permits given by the Town and country planning.

Survey coverage

During the survey period from 2017 to 2021, all building approvals issued within the Union Territory of Puducherry—including the four regions of Puducherry, Karaikal, Mahe, and Yanam—were considered. **From the total dataset, a random sample comprising 10% of the total approvals was selected for detailed analysis.**

Variable for the survey

Usage: Commercial, Residential, Residential-Cum-commercial, Others

Structural: No. of Storeys (1,2,3,4 & 5 and above), Height of the building, basement, floor area.

Financial: Total cost of construction.

Common facilities: metal road, drainage

Data for the survey: The Data for the survey is Secondary data which are available in the book of registers maintained by the Town and Country Planning Department in all the four regions of UT of Puducherry.

Method of data collection: The enumerators directly visited the office where the required records are maintained and collected the data in the required format.

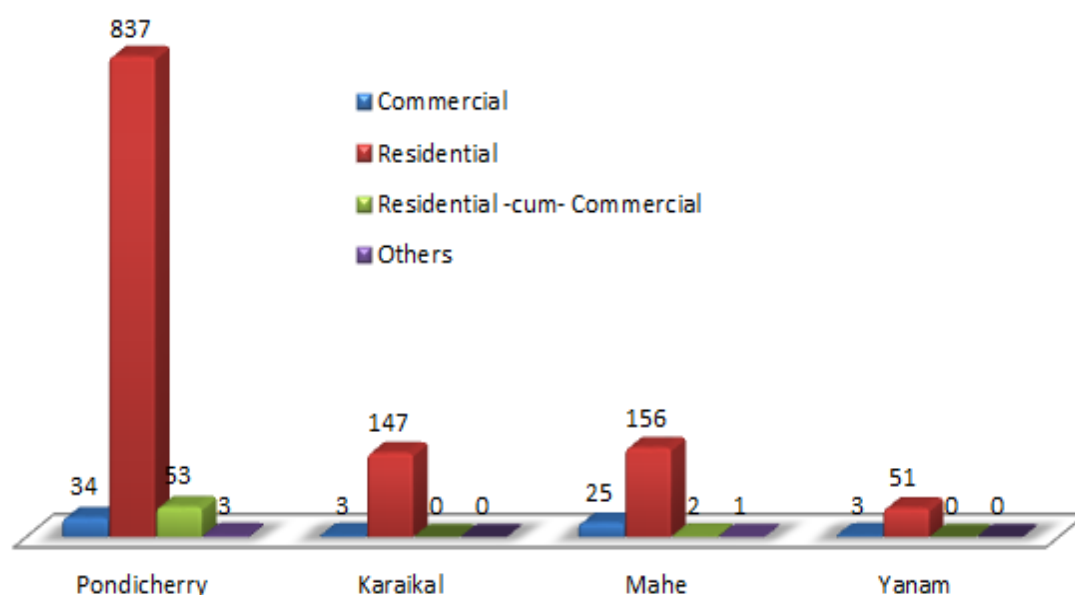


3. Data tables

3.1 Classification based on Permits issued

Table 1: Region wise Number of permits issued based on nature of usage of the building

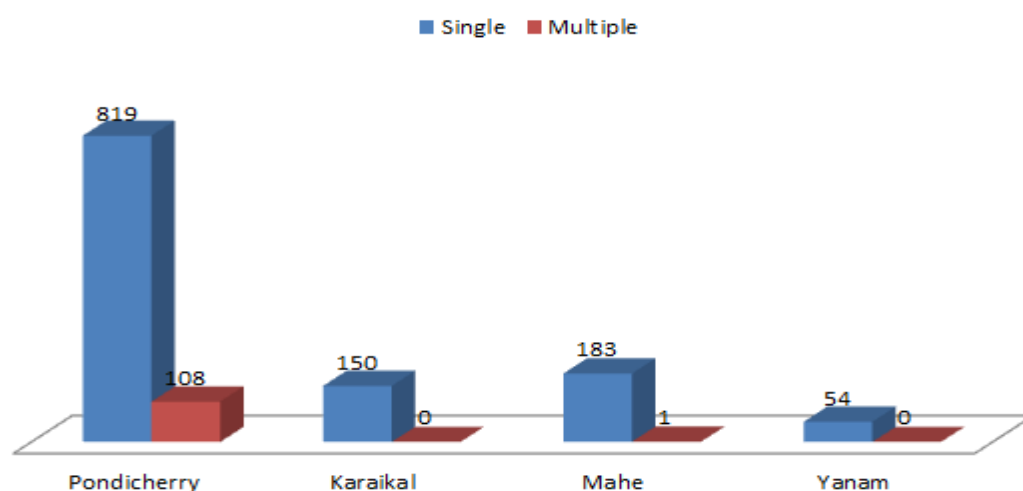
Sl. No.	Name of the Region	Number of permits issued								No. of Permits Issued
		Commercial		Residential		Residential - cum- Commercial		Others		
		Nos	%	Nos	%	Nos	%	Nos	%	
1	Pondicherry	34	3.7	837	90.3	53	5.7	3	0.3	927
2	Karaikal	3	2.0	147	98.0	0	0.0	0	0.0	150
3	Mahe	25	13.6	156	84.8	2	1.1	1	0.5	184
4	Yanam	3	5.6	51	94.4	0	0.0	0	0.0	54
Total		65	4.9	1191	90.6	55	4.2	4	0.3	1315



From the four region it is found that 90.6 of the permits issued were for residential constructions.

Table 2: Region wise Number of permits issued based on type of housing units

Sl. No.	Name of the Region	Number of permit issued based on type of Housing units				
		Single		Multiple		Total
		Nos	%	Nos	%	
1	Pondicherry	819	88.3	108	11.7	927
2	Karaikal	150	100.0	0	0.0	150
3	Mahe	183	99.5	1	0.5	184
4	Yanam	54	100.0	0	0.0	54
Total		1206	91.7	109	8.3	1315



Break up of Multiple Housing units

Table 3: Region wise Number of permits issued based No. of units in Multiple units

Sl. No.	Name of the Region	Number of permits issued based on No. of units in Multiple units								Total
		2 Units		3-4 Units		5-6 Units		7-10 Units		
		Nos	%	Nos	%	Nos	%	Nos	%	
1	Pondicherry	87	78.1	11	11.5	5	5.2	5	5.2	108
2	Karaikal	0	0.0	0	0.0	0	0.0	0	0.0	0
3	Mahe	1	100.0	0	0.0	0	0.0	0	0.0	1
4	Yanam	0	0.0	0	0.0	0	0.0	0	0	0
Total		76	78.4	11	11.3	5	5.2	5	5.2	97

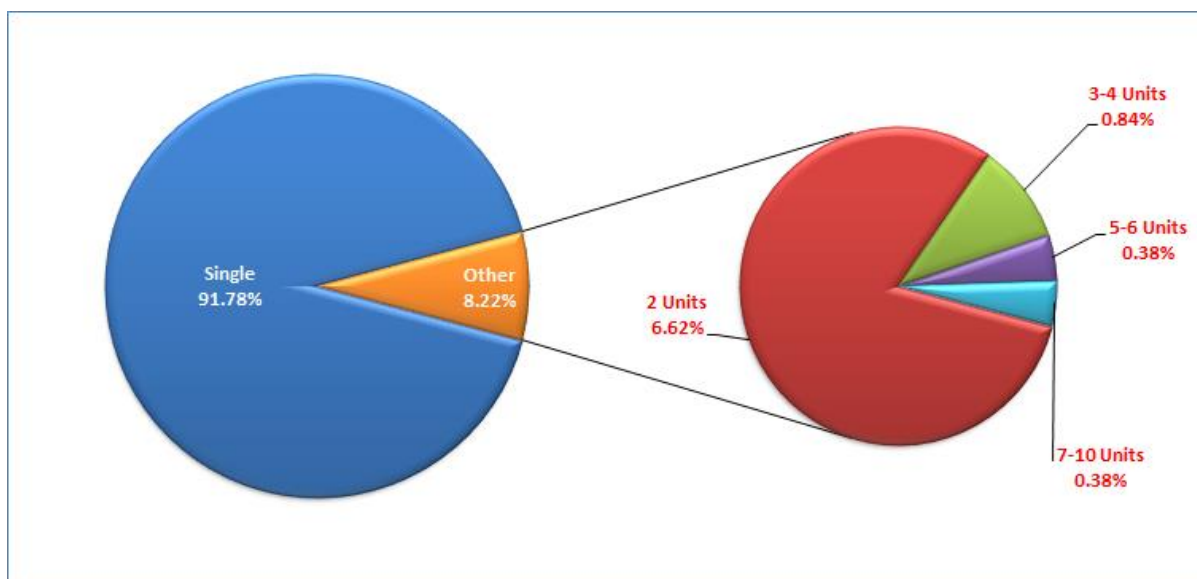


Table 4: Region wise Number of permits issued based No. of storeys

Sl. No.	Name of the Region	Number of Permits issued based No. of storeys										Total
		1 Storey		2 Storeys		3 Storeys		4 Storeys		5 and above		
		Nos	%	Nos	%	Nos	%	Nos	%	Nos	%	
1	Pondicherry	250	27.0	642	69.3	24	2.6	10	1.1	1	0.1	927
2	Karaikal	66	44.0	83	55.3	1	0.7	0	0.0	0	0.0	150
3	Mahe	52	28.3	128	69.6	4	2.2	0	0.0	0	0.0	184
4	Yanam	7	13.0	43	79.6	3	5.6	1	1.9	0	0.0	54
Total		375	28.5	896	68.1	32	2.4	11	0.8	1	0.1	1315

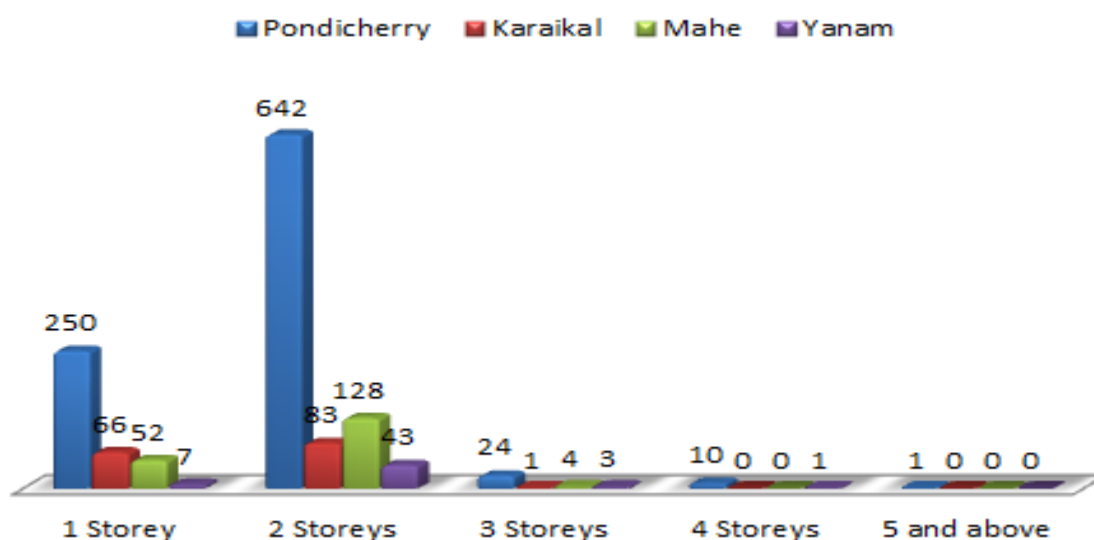
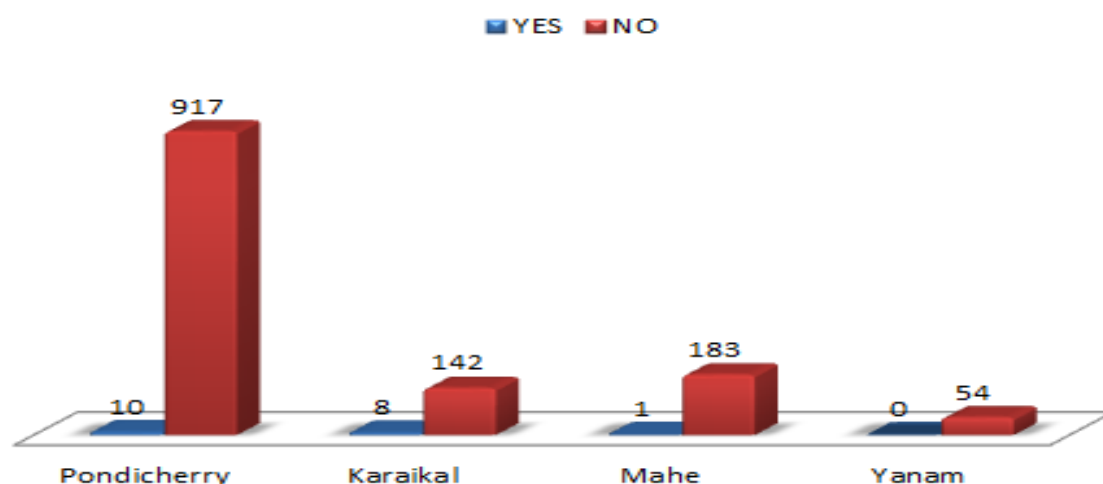


Table 5: Region wise Number of permits issued with basement as part of the unit

Sl. No.	Name of the Region	Number of permit issued with basement as part of the unit				
		YES		NO		Total
		Nos	%	Nos	%	
1	Pondicherry	10	1.1	917	98.9	927
2	Karaikal	8	5.3	142	94.7	150
3	Mahe	1	0.5	183	99.5	184
4	Yanam	0	0.0	54	100.0	54
Total		19	1.4	1296	98.6	1315

**Table 5: Region wise** Number of permits issued based on height of the building

Sl. No.	Name of the Region	Number of permits issued based on the height of building (in meters)								Total
		upto 3.6 mtrs		3.7 to 7.0 mtrs		7.1 to 14.0 mtrs		above 14.0 mtrs		
		Nos	%	Nos	%	Nos	%	Nos	%	
1	Pondicherry	62	6.7	754	81.3	107	11.5	4	0.4	927
2	Karaikal	66	44.0	83	55.3	1	0.7	0	0.0	150
3	Mahe	49	26.6	72	39.1	63	34.2	0	0.0	184
4	Yanam	2	3.7	47	87.0	5	9.3	0	0.0	54
Total		179	13.6	956	72.7	176	13.4	4	0.3	1315

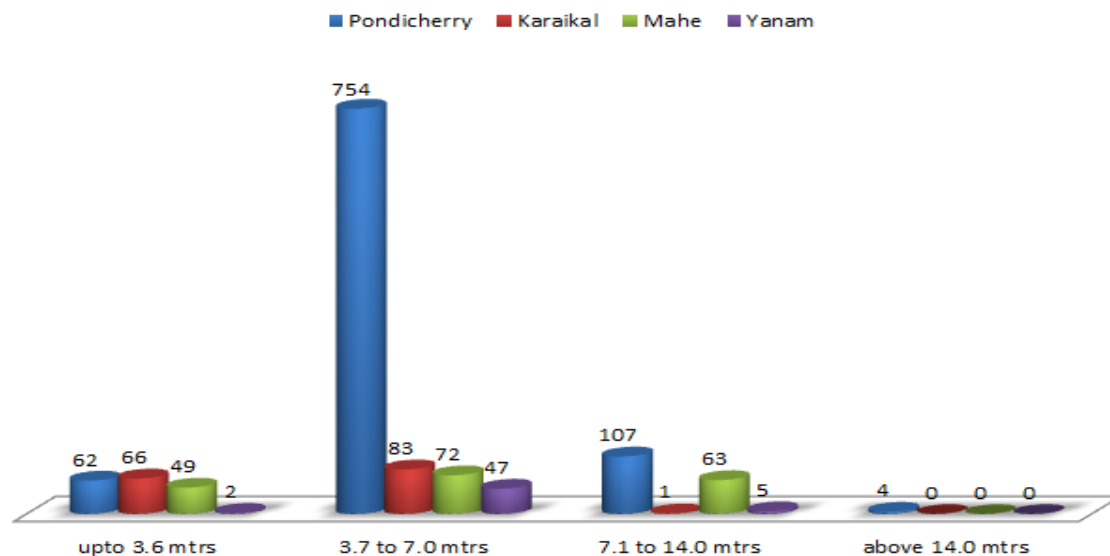
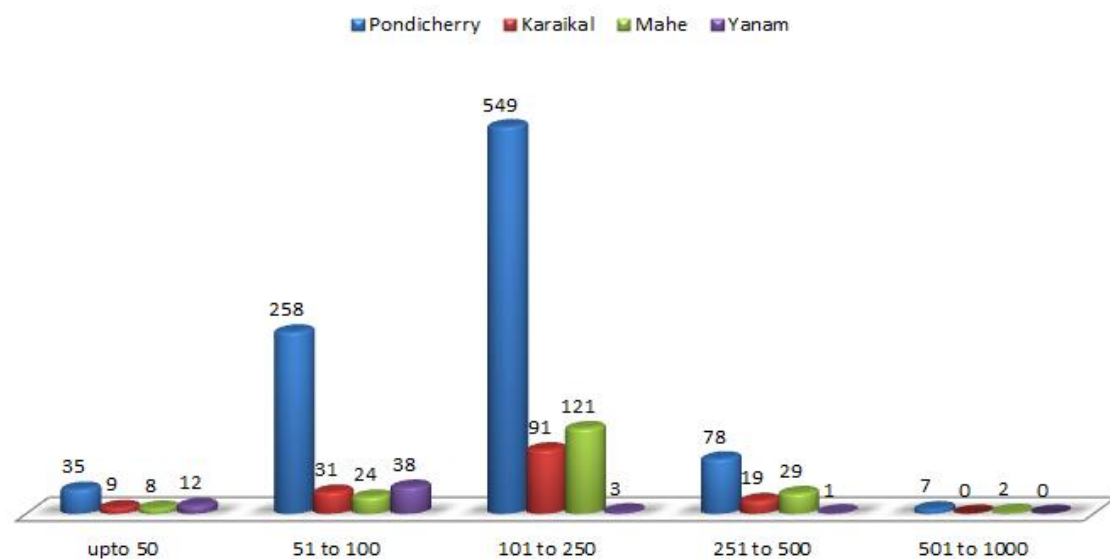


Table 6: Region wise Number of permits issued based on floor area (in Sq. Mtrs)

Sl. No	Name of the Region	Number of permits issued based on floor area (In Sq. Mtrs)										Total
		upto 50		51 to 100		101 to 250		251 to 500		501 to 1000		
		Nos	%	Nos	%	Nos	%	Nos	%	Nos	%	
1	Pondicherry	35	3.8	258	27.8	549	59.2	78	8.4	7	0.8	927
2	Karaikal	9	6.0	31	20.7	91	60.7	19	12.7	0	0.0	150
3	Mahe	8	4.3	24	13.0	121	65.8	29	15.8	2	1.1	184
4	Yanam	12	22.2	38	70.4	3	5.6	1	1.9	0	0.0	54
Total		64	4.9	351	26.7	764	58.1	127	9.7	9	0.7	1315



3.2 Classification based on Completion Status

Table 7: Region wise Completion Status of the Building at the time of survey

Sl. No.		Name of the Region		Completion Status of the building						
				Building Completed		Work Under Progress		Building abandoned from construction		Total
				Nos	%	Nos	%	Nos	%	
1	Pondicherry	877	94.6	29	3.1	21	2.3	927		
2	Karaikal	147	98.0	3	2.0	0	0.0	150		
3	Mahe	183	99.5	1	0.5	0	0.0	184		
4	Yanam	54	100.0	0	0.0	0	0.0	54		
Total		1261	95.9	33	2.5	21	1.6	1315		

3.2.1 Completion based on infrastructure

Table 8: Region wise Number of building completed based on type of usage

Sl. No.	Name of the Region	Number of building completed based on usage								Total
		Commercial		Residential		Residential -cum- Commercial		4. Others		
		Nos	%	Nos	%	Nos	%	Nos	%	
1	Pondicherry	32	3.6	794	90.5	48	5.5	3	0.3	877
2	Karaikal	3	2.0	144	98.0	0	0.0	0	0.0	147
3	Mahe	25	13.7	155	84.7	2	1.1	1	0.5	183
4	Yanam	3	5.6	51	94.4	0	0.0	0	0.0	54
Total		63	5.0	1144	90.7	50	4.0	4	0.3	1261

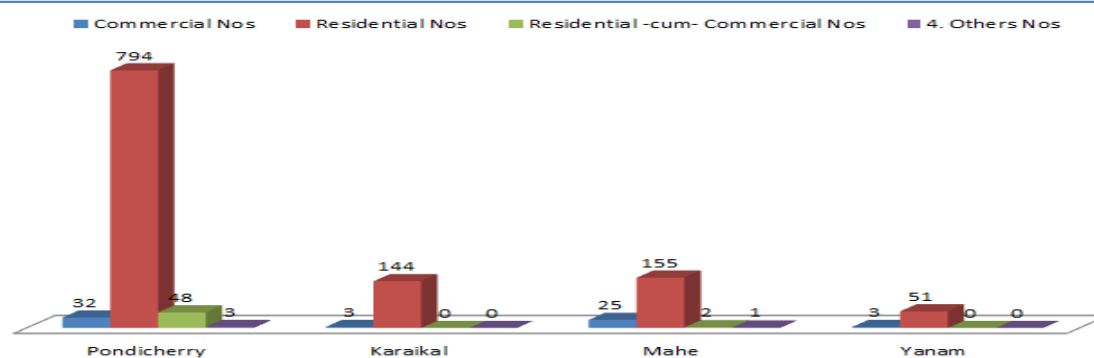
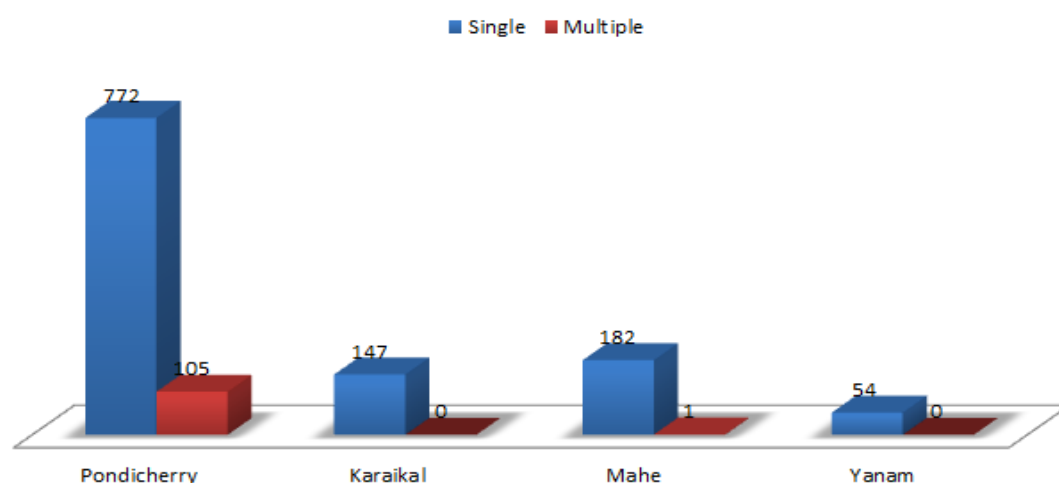


Table 9: Region wise Number of building completed based on housing units

Sl. No.	Name of the Region	Number of building completed based on housing units				Total
		Single		Multiple		
		Nos	%	Nos	%	
1	Pondicherry	772	88.03	105	11.97	877
2	Karaikal	147	100.00	0	0.00	147
3	Mahe	182	99.45	1	0.55	183
4	Yanam	54	100.00	0	0.00	54
Total		1155	91.59	106	8.41	1261

**Table 10: Region wise** Number of building completed based on number of multiple units

Sl. No.	Name of the Region	Number of buildings completed based on number of multiple units								Total
		2 Units		3-4 Units		5-6 Units		7-10 Units		
		Nos	%	Nos	%	Nos	%	Nos	%	
1	Pondicherry	72	77.42	11	11.83	5	5.38	5	5.38	93
2	Karaikal	0	0.00	0	0.00	0	0.00	0	0.00	0
3	Mahe	1	100.00	0	0.00	0	0.00	0	0.00	1
4	Yanam	0	0.00	0	0.00	0	0.00	0	0.00	0
Total		73	77.66	11	11.70	5	5.32	5	5.32	94

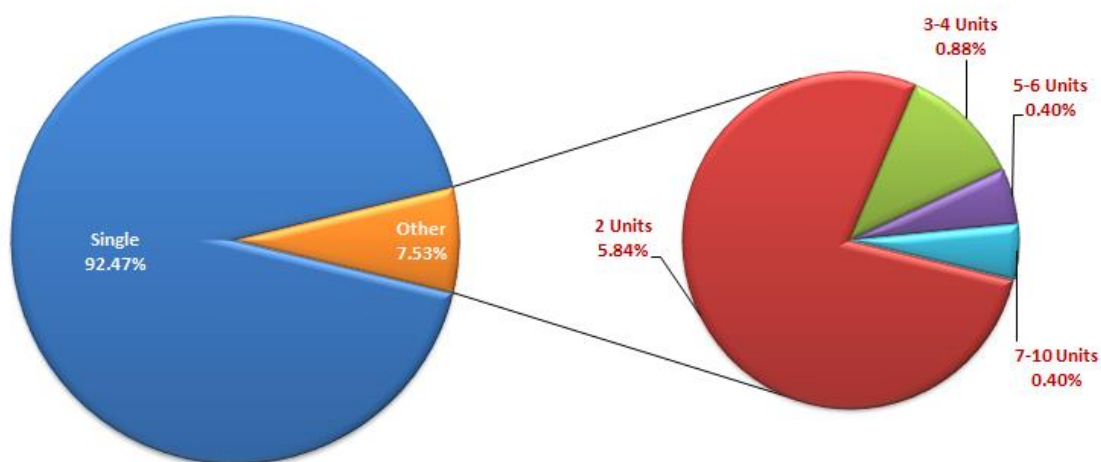


Table 11: Region wise Number of building completed based on number of Storeys

Sl. No.	Name of the Region	Number of building completed based on number of storeys										Total
		1		2		3		4		5 and above		
		Nos	%	Nos	%	Nos	%	Nos	%	Nos	%	
1	Pondicherry	231	26.3	608	69.3	28	3.2	10	1.1	0	0.0	877
2	Karaikal	67	45.6	79	53.7	1	0.7	0	0.0	0	0.0	147
3	Mahe	52	28.4	127	69.4	4	2.2	0	0.0	0	0.0	183
4	Yanam	7	13.0	43	79.6	3	5.6	1	1.9	0	0.0	54
Total		357	28.3	857	68.0	36	2.9	11	0.9	0	0.0	1261

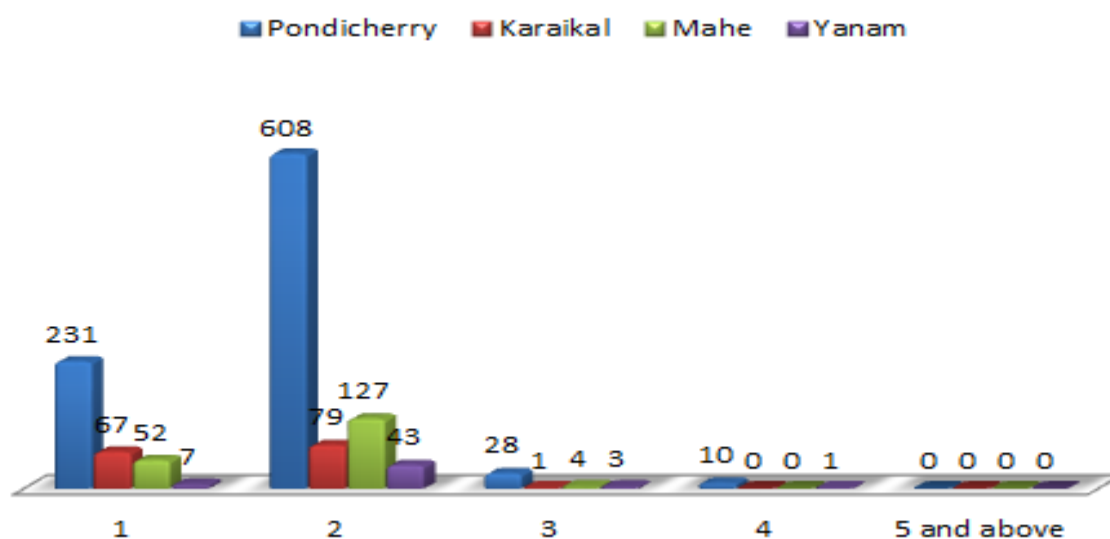
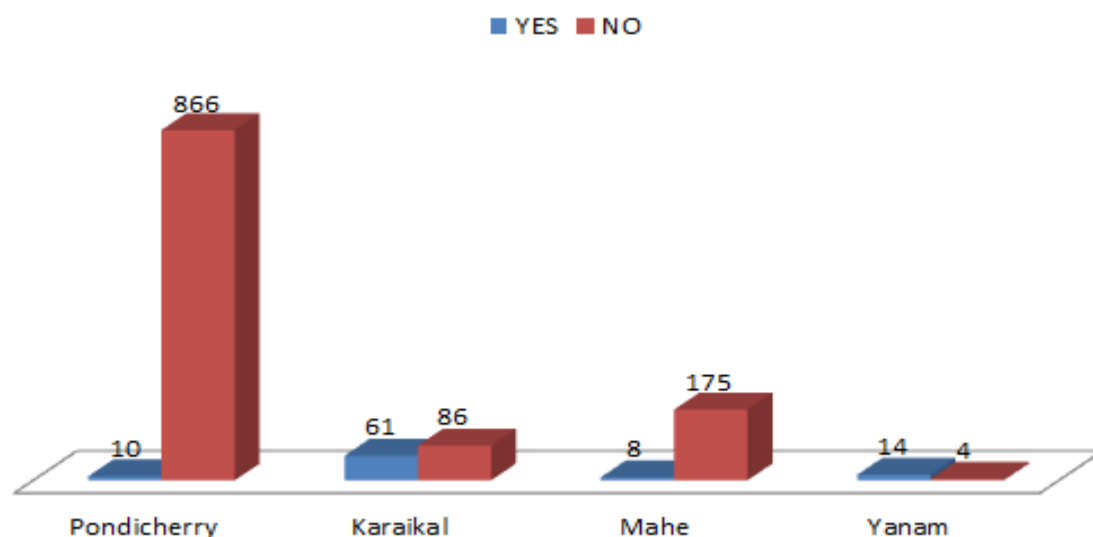


Table 12: Region wise Number of building completed based on basement as part of unit

Sl. No.	Name of the Region	Number of building completed with basement as a part				
		YES		NO		Total
		Nos	%	Nos	%	
1	Pondicherry	10	1.1	866	98.9	876
2	Karaikal	61	41.5	86	58.5	147
3	Mahe	8	4.4	175	95.6	183
4	Yanam	14	77.8	4	22.2	18
Total		93	7.6	1131	92.4	1224

**Table 13: Region wise** Number of building completed based on height (in sq. mtrs)

Sl. No.	Name of the Region	Number of building completed based on height (in mtrs)								Total
		upto 3.6		3.7 to 7.0		7.1 to 14.0		above 14.0		
		Nos	%	Nos	%	Nos	%	Nos	%	
1	Pondicherry	58	6.6	711	81.1	105	12.0	3	0.3	877
2	Karaikal	66	44.9	79	53.7	2	1.4	0	0.0	147
3	Mahe	50	27.3	68	37.2	65	35.5	0	0.0	183
4	Yanam	2	3.7	47	87.0	5	9.3	0	0.0	54
Total		176	14.0	905	71.8	177	14.0	3	0.2	1261

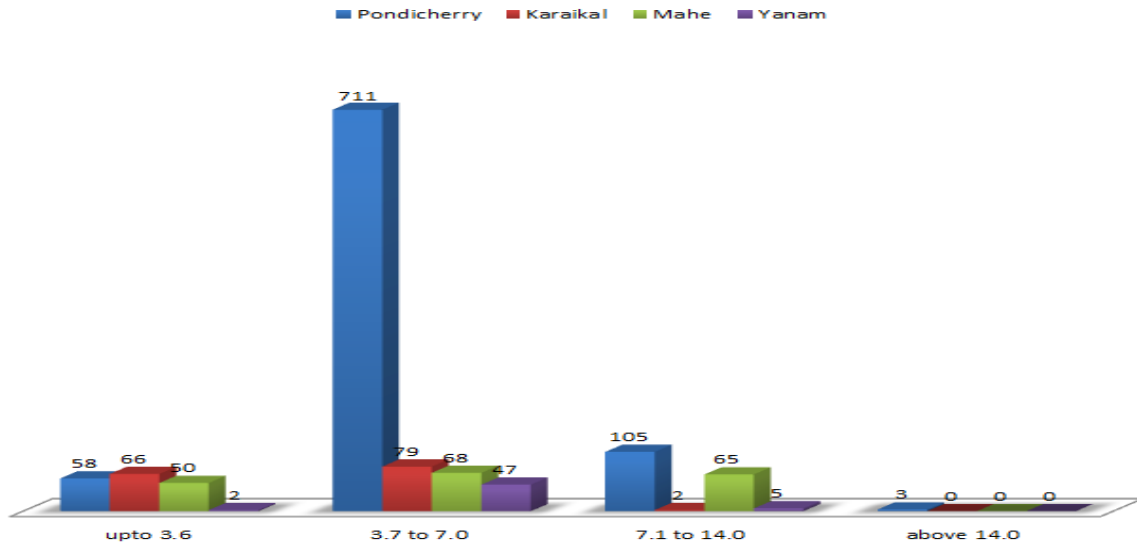
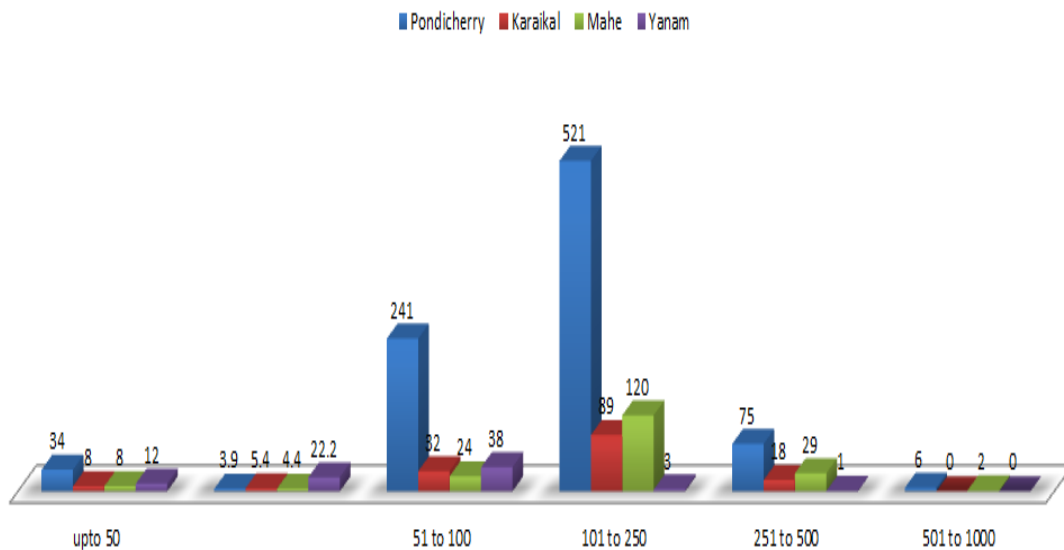


Table 14: Region wise Number of building completed based on floor area (in sq. mtrs)

Sl. No.	Name of the Region	Number of building completed based on floor area (in Sq. meter)										Total
		upto 50		51 to 100		101 to 250		251 to 500		501 to 1000		
		Nos	%	Nos	%	Nos	%	Nos	%	Nos	%	
1	Pondicherry	34	3.9	241	27.5	521	59.4	75	8.6	6	0.7	877
2	Karaikal	8	5.4	32	21.8	89	60.5	18	12.2	0	0.0	147
3	Mahe	8	4.4	24	13.1	120	65.6	29	15.8	2	1.1	183
4	Yanam	12	22.2	38	70.4	3	5.6	1	1.9	0	0.0	54
Total		62	4.9	335	26.6	733	58.1	123	9.8	8	0.6	1261



3.2.2 cost of construction, construction material and facilities in completed buildings

Table 15: Region wise number of building based on cost of construction

Sl. No.	Name of the Region	Number of building based on cost of construction										Total
		Upto 10 lakhs		11 - 25 lakhs		26-50 lakhs		51-100 lakhs		101-200 lakhs		
		Nos	%	Nos	%	Nos	%	Nos	%	Nos	%	
1	Pondicherry	46	5.2	400	45.6	368	42.0	55	6.3	8	0.9	877
2	Karaikal	0	0.0	92	62.6	51	34.7	4	2.7	0	0.0	147
3	Mahe	8	4.4	67	36.6	85	46.4	23	12.6	0	0.0	183
4	Yanam	4	7.4	39	72.2	9	16.7	2	3.7	0	0.0	54
Total		58	4.6	598	47.4	513	40.7	84	6.7	8	0.6	1261

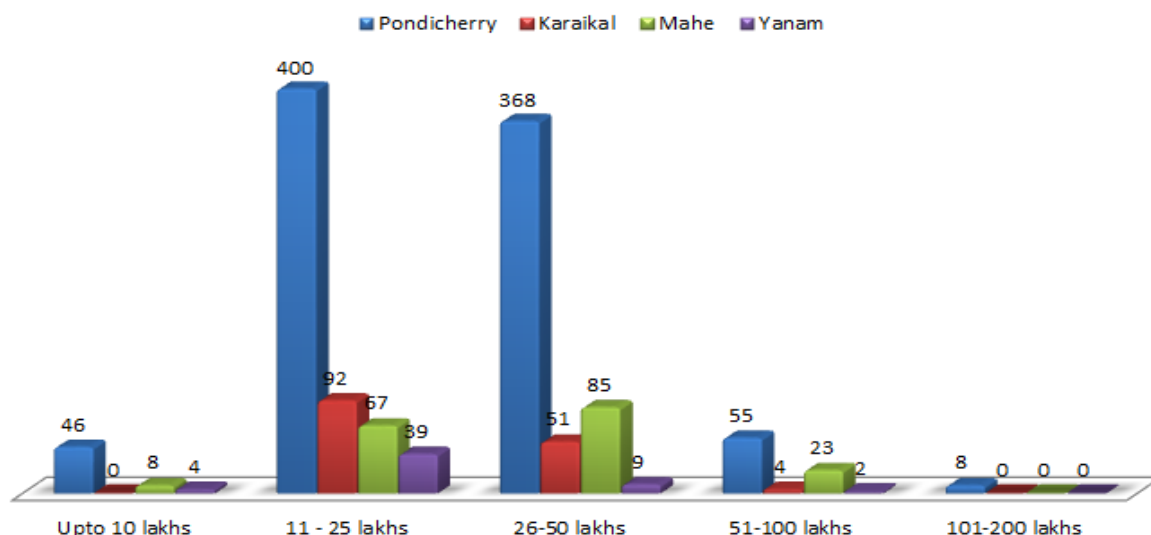


Table 16: Region wise number of building based on type of sand used for construction

Sl. No.	Name of the Region	Number of building based on type of sand used						Total
		River Sand		M-Sand		Others		
		Nos	%	Nos	%	Nos	%	
1	Pondicherry	476	54.3	397	45.3	4	0.4	877
2	Karaikal	2	1.4	145	98.6	0	0.0	147
3	Mahe	111	60.7	70	38.3	2	1.1	183
4	Yanam	54	100.0	0	0.0	0	0.0	54
Total		643	51.0	612	48.5	6	0.5	1261

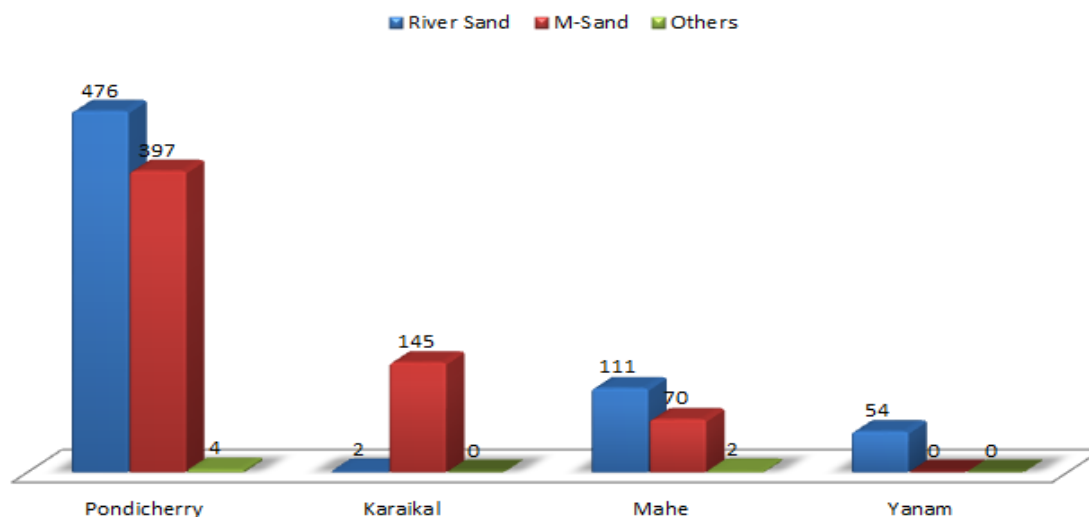


Table 17: Region wise number of building based on type of bricks used

Sl. No.	Name of the Region	Number of Buildings based on type of bricks used								Total
		Clay Bricks		Fly Ash Bricks		Hallow Bricks		Others		
		Nos	%	Nos	%	Nos	%	Nos	%	
1	Pondicherry	833	95.0	24	2.7	20	2.3	0	0.0	877
2	Karaikal	142	96.6	5	3.4	0	0.0	0	0.0	147
3	Mahe	47	25.7	2	1.1	45	24.6	89	48.6	183
4	Yanam	54	100.0	0	0.0	0	0.0	0	0.0	54
Total		1076	85.3	31	2.5	65	5.2	89	7.1	1261

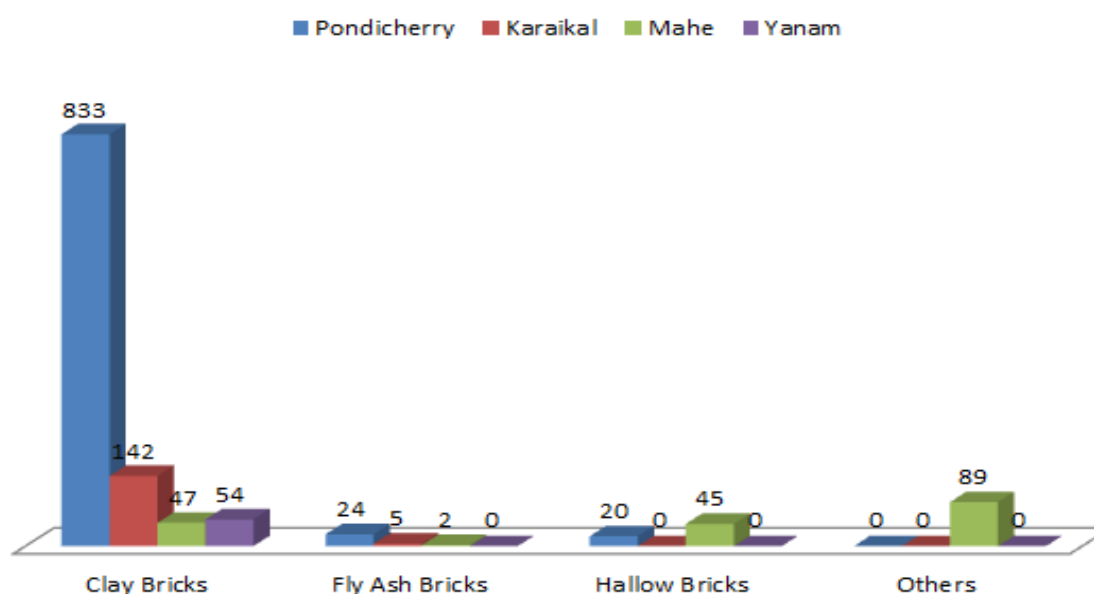
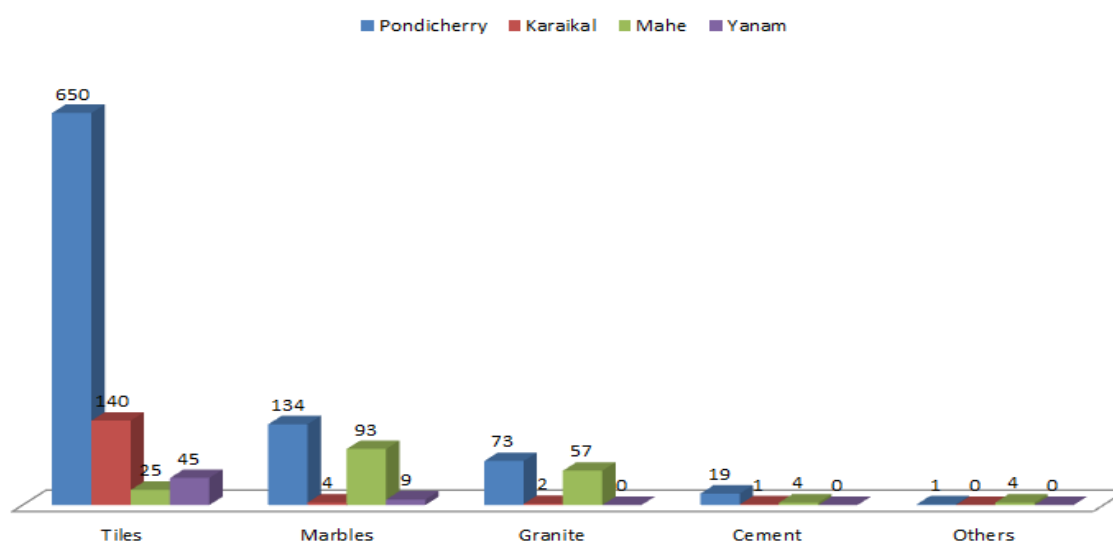


Table 18: Region wise number of building based on type of floor used

Sl. No.	Name of the Region	Number of buildings based on type of floor										Total
		Tiles		Marbles		Granite		Cement		Others		
		Nos	%	Nos	%	Nos	%	Nos	%	Nos	%	
1	Pondicherry	650	74.1	134	15.3	73	8.3	19	2.2	1	0.1	877
2	Karaikal	140	95.2	4	2.7	2	1.4	1	0.7	0	0.0	147
3	Mahe	25	13.7	93	50.8	57	31.1	4	2.2	4	2.2	183
4	Yanam	45	83.3	9	16.7	0	0.0	0	0.0	0	0.0	54
Total		860	68.2	240	19.0	132	10.5	24	1.9	5	0.4	1261

**Table 19: Region wise** number of building connected by Electricity

Sl. No.	Name of the Region	Number of building connected by electricity				Total
		Electricity Connected		Not Connected		
		Nos	%	Nos	%	
1	Pondicherry	874	99.7	3	0.3	877
2	Karaikal	147	100.0	0	0.0	147
3	Mahe	183	100.0	0	0.0	183
4	Yanam	54	100.0	0	0.0	54
Total		1258	99.8	3	0.2	1261

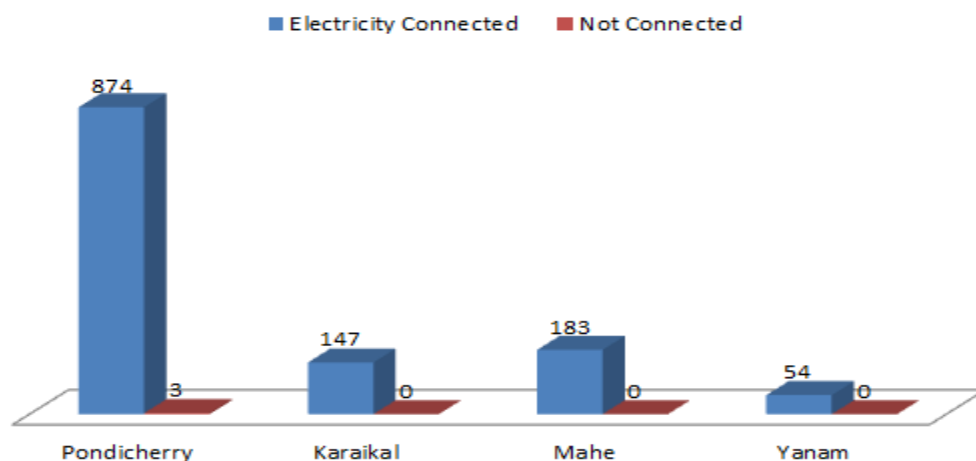


Table 20: Region wise number of building connected by Metal Road

Sl. No.	Name of the Region	Number of building connected by Metal Road				
		Metal Road Connected		Not Connected		Total
		Nos	%	Nos	%	
1	Pondicherry	794	90.5	83	9.5	877
2	Karaikal	131	89.1	16	10.9	147
3	Mahe	176	96.2	7	3.8	183
4	Yanam	54	100.0	0	0.0	54
Total		1155	91.6	106	8.4	1261

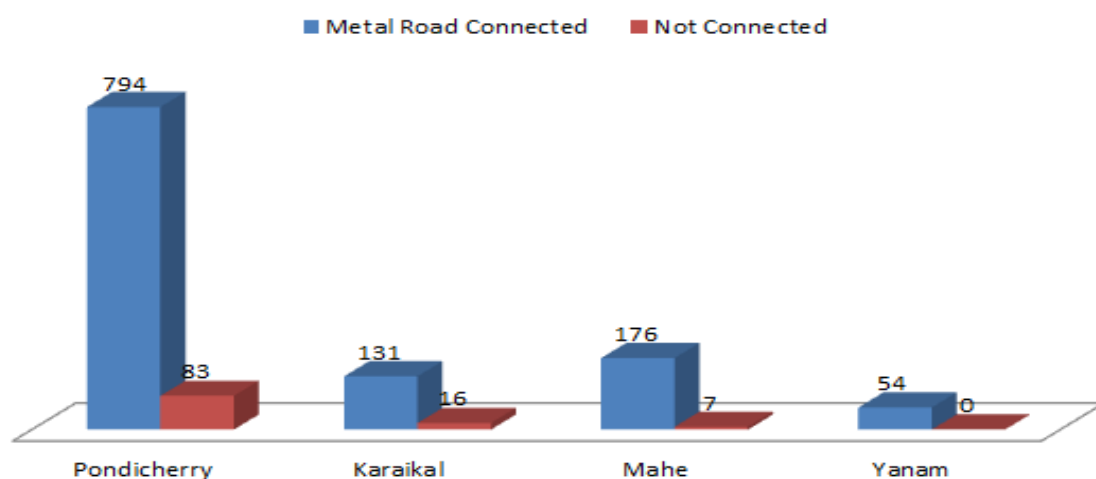
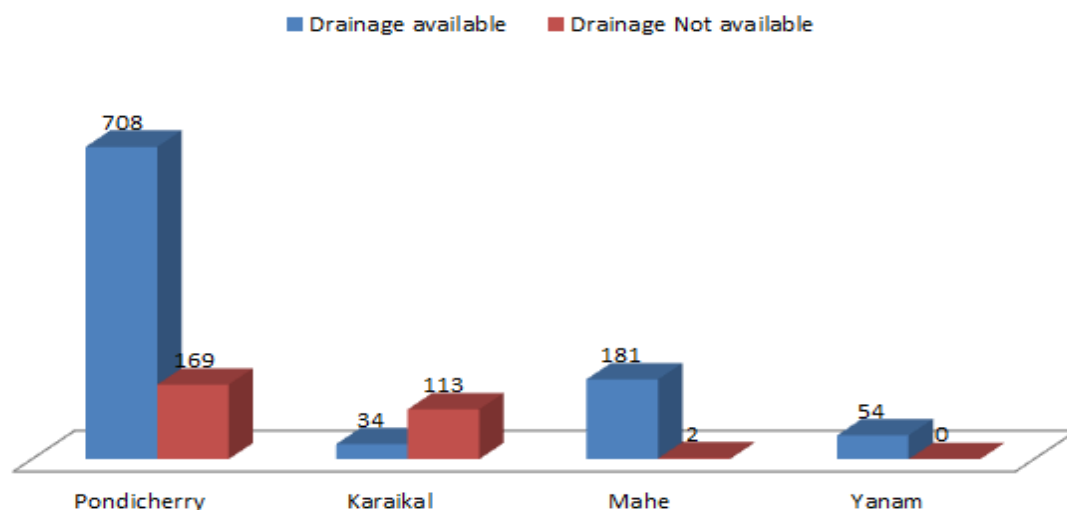


Table 21: Region wise number of building with drainage facilities in the street

Sl. No.	Name of the Region	Number of buildings with drainage facilities in the street				
		Drainage available		Drainage Not available		Total
		Nos	%	Nos	%	
1	Pondicherry	708	80.7	169	19.3	877
2	Karaikal	34	23.1	113	76.9	147
3	Mahe	181	98.9	2	1.1	183
4	Yanam	54	100.0	0	0.0	54
Total		977	77.5	284	22.5	1261

**Table 22: Region wise** number of building with underground drainage facilities in the street

Sl. No.	Name of the Region	Number of buildings with underground drainage facilities				Total
		Underground Drainage available		Underground Drainage Not available		
		Nos	%	Nos	%	
1	Pondicherry	407	46.4	470	53.6	877
2	Karaikal	21	14.3	126	85.7	147
3	Mahe	175	95.6	8	4.4	183
4	Yanam	0	0.0	54	100.0	54
Total		603	47.8	658	52.2	1261

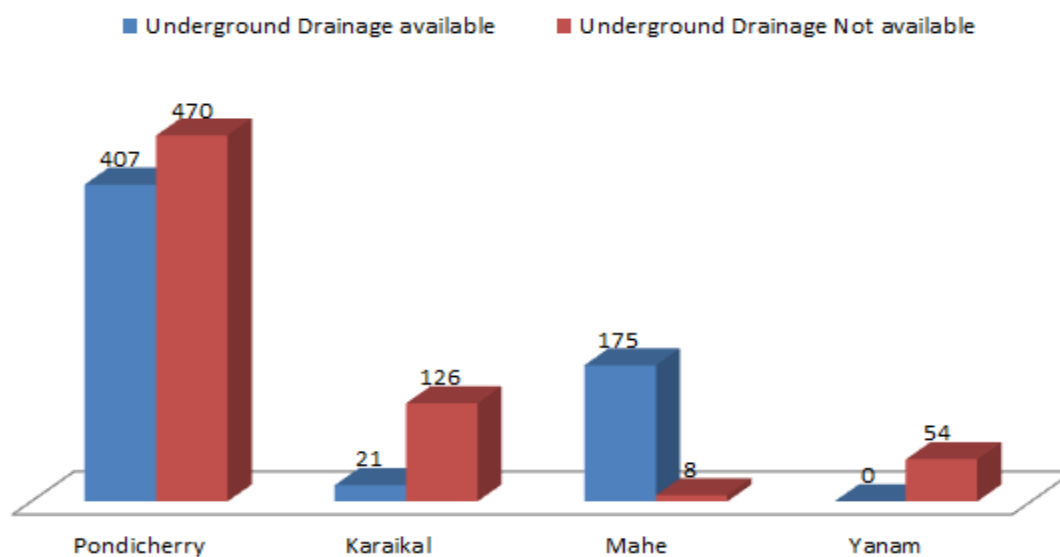
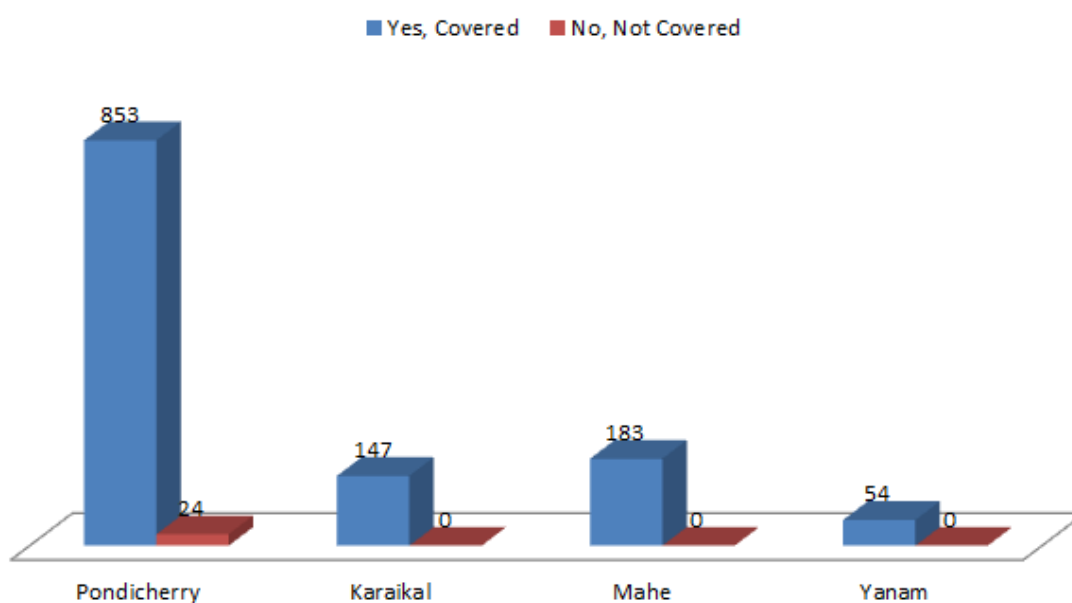


Table 23: Region wise number of building completed as per master plan of PPA

Sl. No.	Name of the Region	Number of building completed as per Master Plan of PPA				
		Yes, Covered		No, Not Covered		Total
		Nos	%	Nos	%	
1	Pondicherry	853	97.3	24	2.7	877
2	Karaikal	147	100.0	0	0.0	147
3	Mahe	183	100.0	0	0.0	183
4	Yanam	54	100.0	0	0.0	54
Total		1237	98.1	24	1.9	1261



4. Analysis

4.1 Compliance of completed buildings with permit issued

Table 24: Region wise number of building completed against permit used based on usage

Sl. No.	Name of the Region	Permit Issued	Completed Buildings	% completed	Under progress	Abandoned
1	Pondicherry	927	877	94.61	29	21
2	Karaikal	150	147	98.00	3	0
3	Mahe	184	183	99.46	1	0
4	Yanam	54	54	100.00	0	0
Total		1315	1261	95.89	33	21

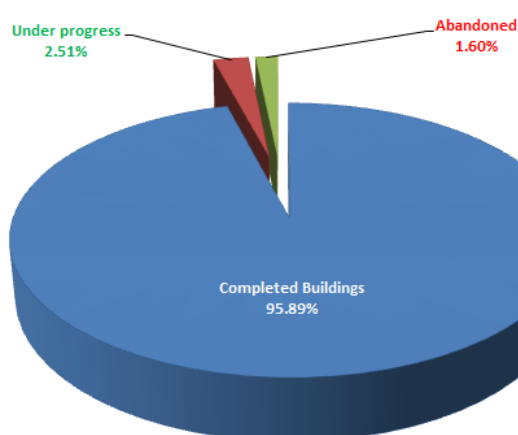
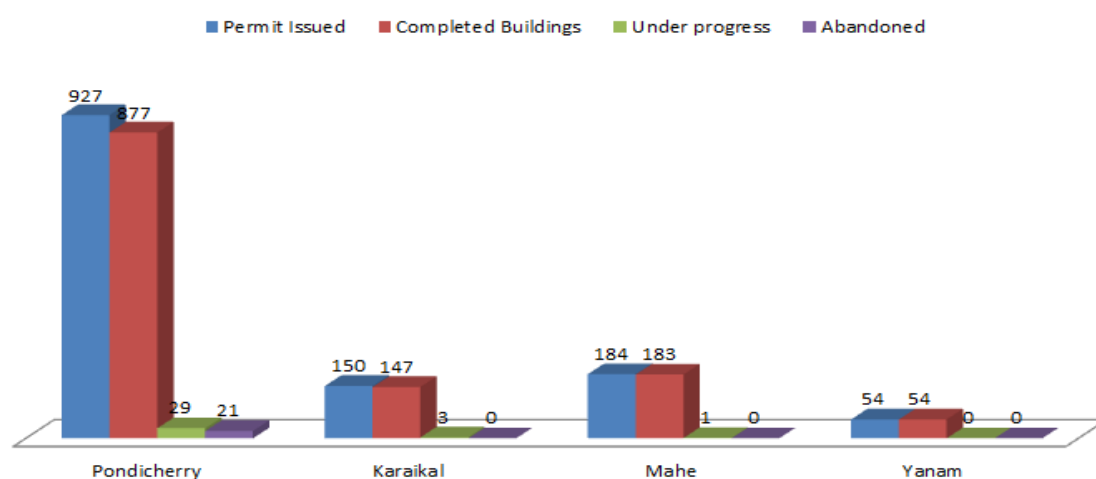


Table 25: Region wise % of building completed against permit issued based on usage

		% of Building Completed (BC) w.r.t Permit Issued (PI)											
Sl. No	Name of the Region	Commercial			Residential			Residential – cum - Commercial			Others		
		PI	BC	%	PI	BC	%	PI	BC	%	PI	BC	%
1	Pondicherry	34	32	94.11	837	794	94.86	53	48	90.57	3	3	100.00
2	Karaikal	3	3	100.00	147	144	97.96	0	0	0.00	0	0	0.00
3	Mahe	25	25	100.00	156	155	99.36	2	2	100.00	1	1	100.00
4	Yanam	3	3	100.00	51	51	100.00	0	0	0.00	0	0	0.00
Total		65	63	96.92	1191	1144	96.05	55	50	90.91	4	4	100.00

PI – Permit Issued, BC-Building Completed

Commercial Residential Residential-cum-Commercial Others

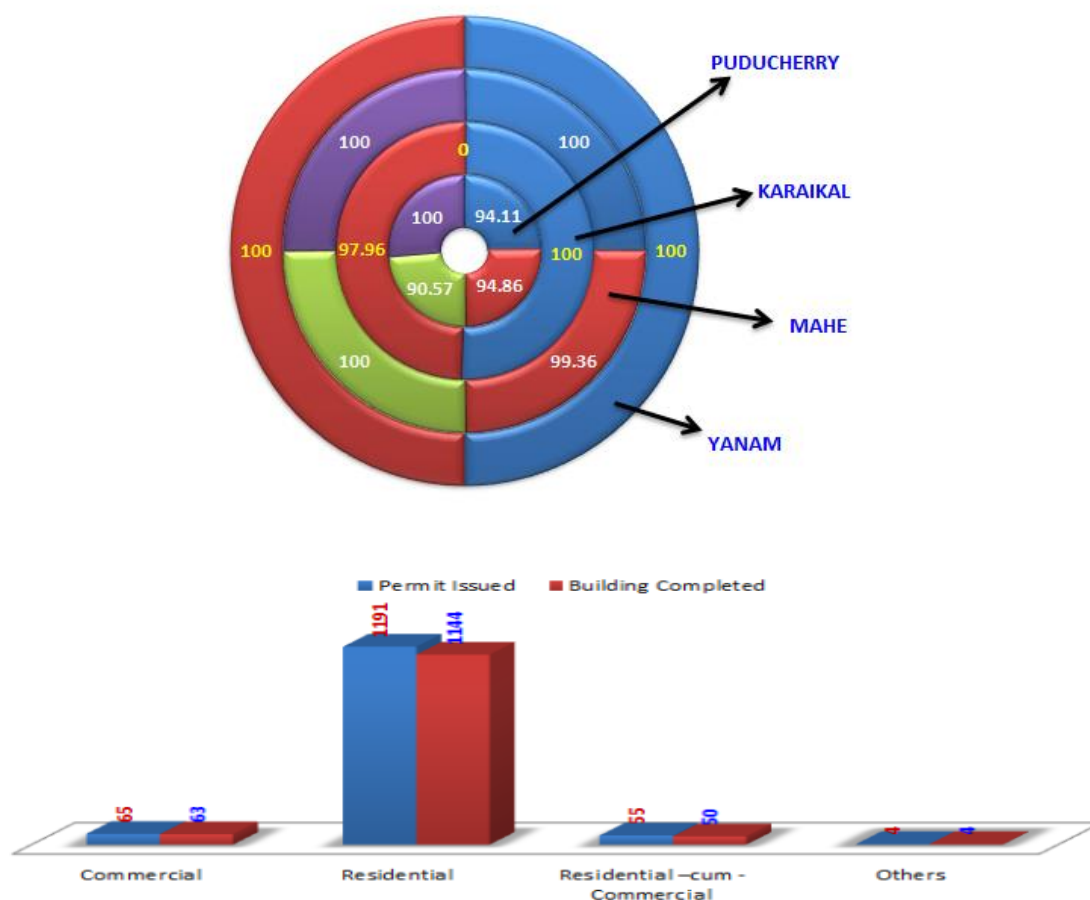


Table 26: Region wise % of building completed against permit issued based on housing units

Sl. No.	Name of the Region	% of building completed based on housing units					
		Single			Multiple		
		Permit Issued	Completed Buildings	%	Permit Issued	Completed Buildings	%
1	Pondicherry	819	772	94.3	108	105	97.2
2	Karaikal	150	147	98.0	0	0	0.0
3	Mahe	183	182	99.5	1	1	100.0
4	Yanam	54	54	100.0	0	0	0.0
Total		1206	1155	95.8	109	106	97.2

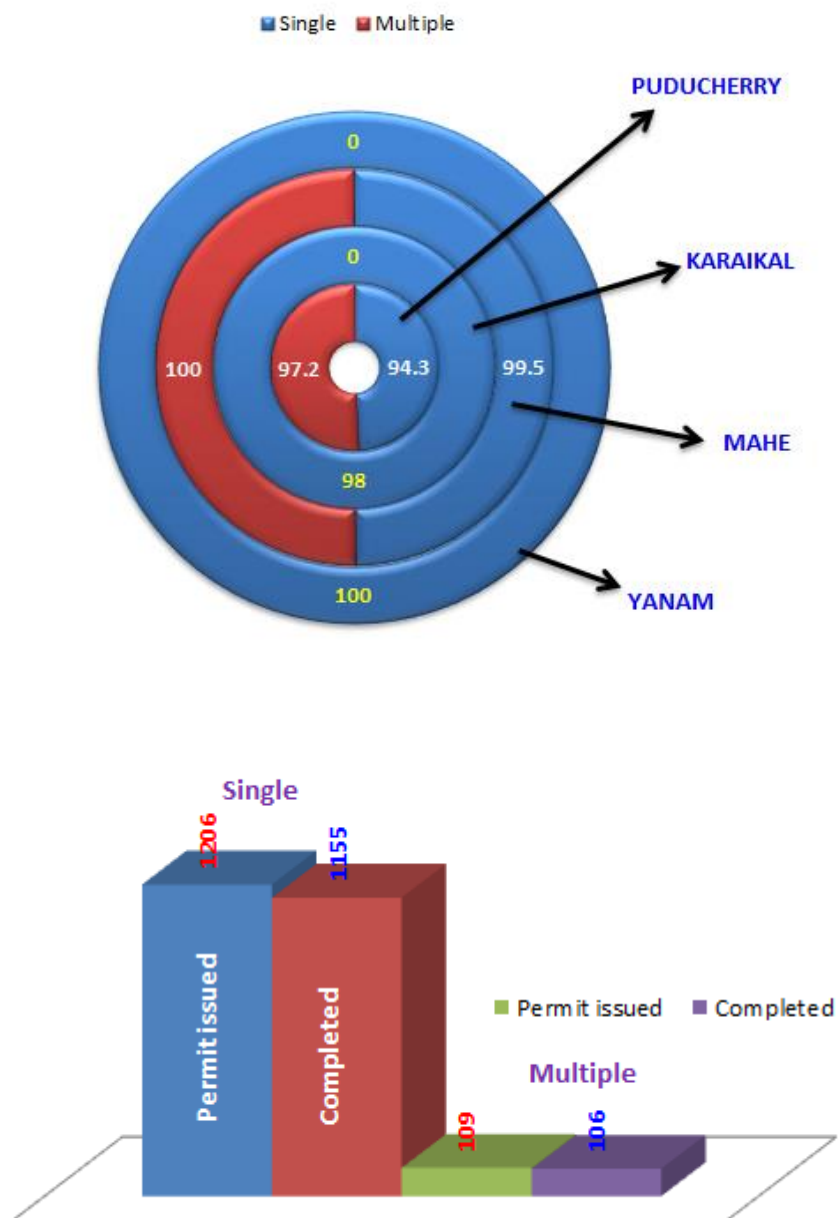


Table 27: Region wise % of building completed against permit issued in multiple units

Sl. No.	Name of the Region	% of building completed in Multiple Housing units											
		2 Units			3-4 Units			5-6 Units			7-10 Units		
		PI	CB	%	PI	CB	%	PI	CB	%	PI	CB	%
1	Pondicherry	75	72	96	11	11	100	5	5	100	5	5	100
2	Karaikal	0	0	0	0	0	0	0	0	0	0	0	0
3	Mahe	1	1	100	0	0	0	0	0	0	0	0	0
4	Yanam	0	0	0	0	0	0	0	0	0	0	0	0
	Total	76	73	96	11	11	100	5	5	100	5	5	100

PI – Permit Issued, CB – Completed Building

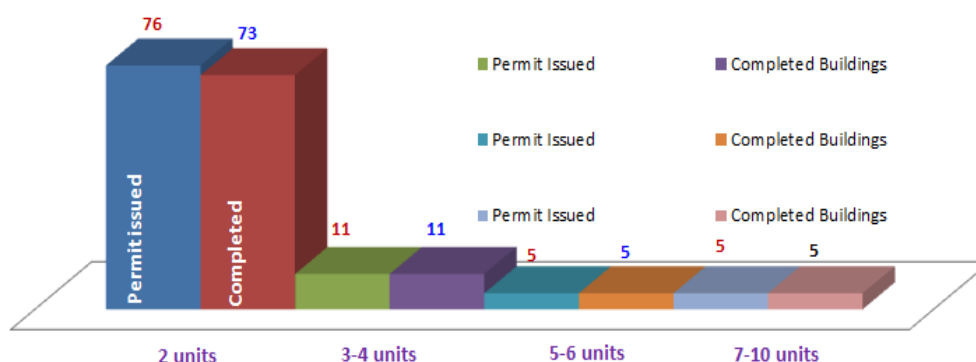
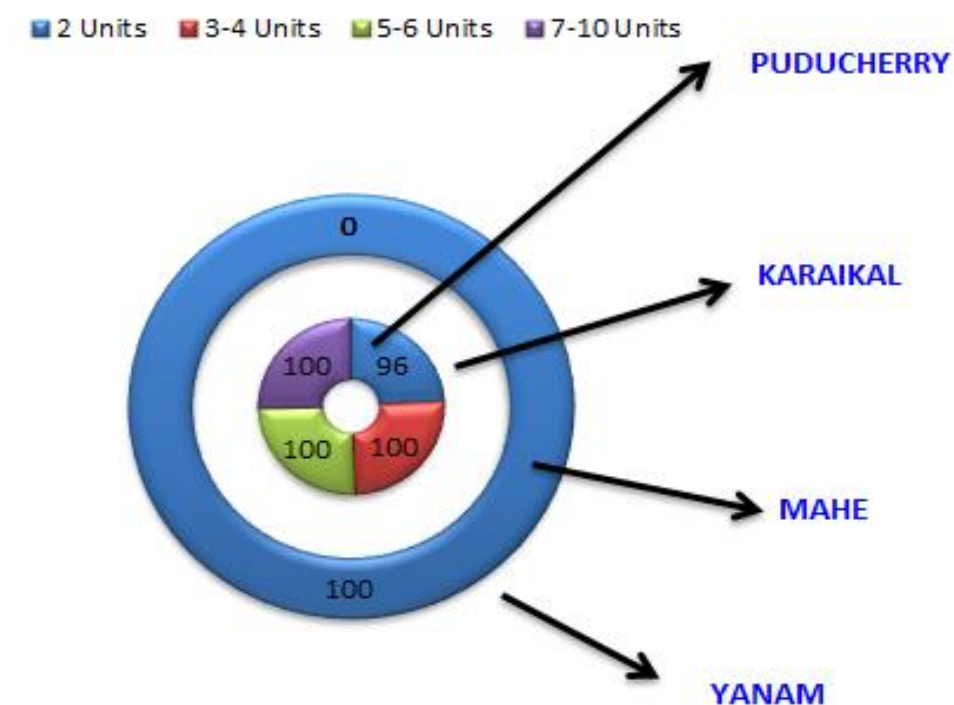


Table 28: Region wise % of building completed against permit issued for number of storeys

Sl. No.	Name of the Region	% of building completed based number of storeys														
		1			2			3			4			5 & above		
		PI	CB	%	PI	CB	%	PI	C B	%	PI	C B	%	P I	C B	%
1	Pondicherry	238	231	97.1	642	612	95.3	24	24	100.0	10	10	100.0	1	0	0.0
2	Karaikal	66	66	100.0	83	80	96.4	1	1	100.0	0	0	0.0	0	0	0.0
3	Mahe	52	52	100.0	128	127	99.2	4	4	100.0	0	0	0.0	0	0	0.0
4	Yanam	7	7	100.0	43	43	100.0	3	3	100.0	1	1	100.0	0	0	0.0
	Total	363	356	98.1	896	862	96.2	32	32	100.0	11	11	100.0	1	0	0.0

PI – Permit Issued, CB – Completed Building

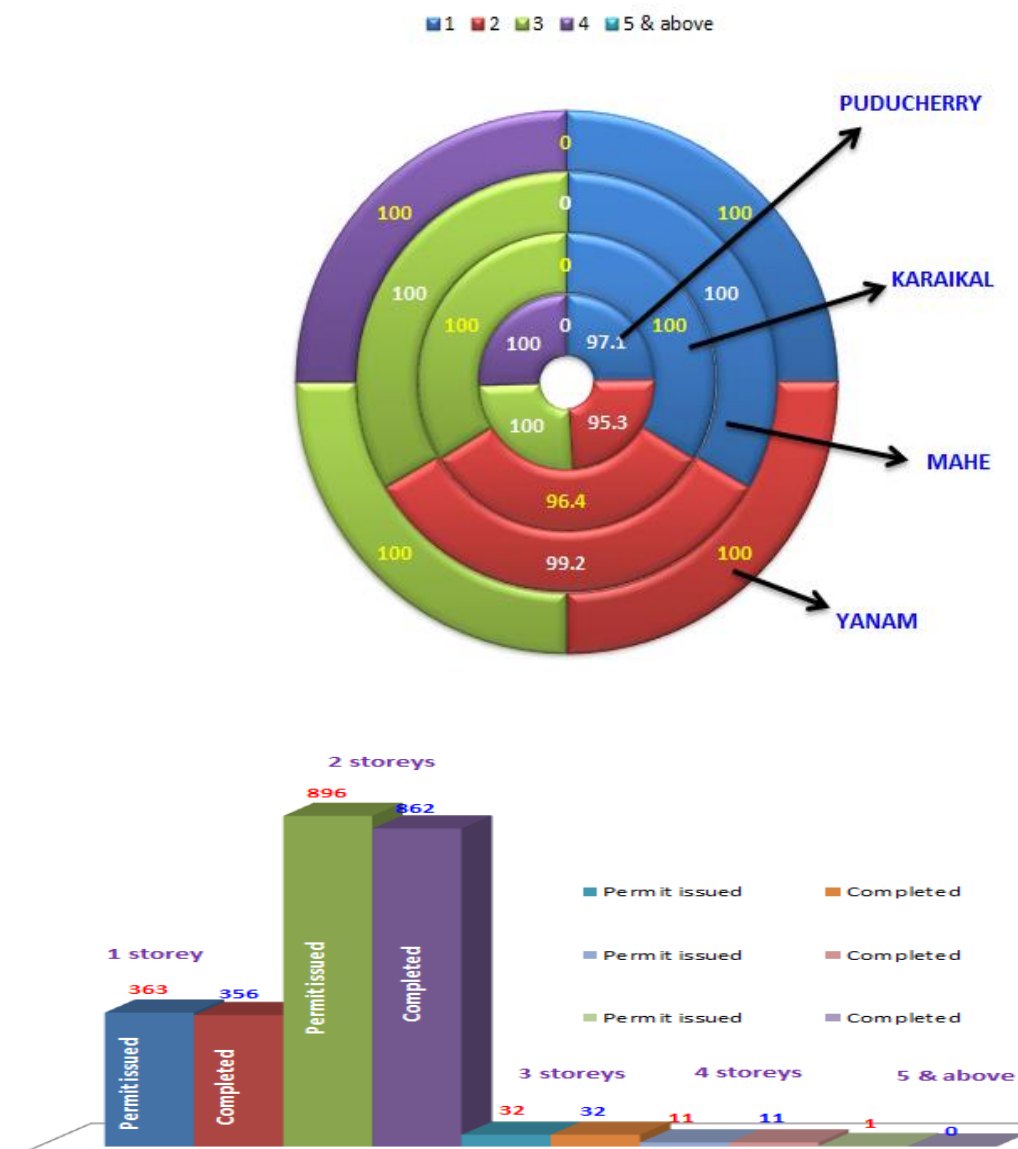


Table 29: Region wise % of building completed against permit issued for height

Sl. No.	Name of the Region	% of building completed based on height (in meters)											
		upto 3.6 mtrs			3.7 to 7.0 mtrs			7.1 to 14.0 mtrs			above 14.0 mtrs		
		PI	CB	%	PI	CB	%	PI	CB	%	PI	CB	%
1	Pondicherry	62	58	93.5	754	711	94.3	107	105	98.1	4	3	75.0
2	Karaikal	66	66	100.0	83	80	96.4	1	1	100.0	0	0	0.0
3	Mahe	49	49	100.0	72	71	98.61	63	63	100.0	0	0	0.0
4	Yanam	2	2	100.0	47	47	100.0	5	5	100.0	0	0	0.0
	Total	179	179	98.3	956	908	95.0	176	174	98.9	4	3	75.0

PI – Permit Issued, **CB** – Completed Building

■ upto 3.6 mtrs
 ■ 3.7 to 7.0 mtrs
 ■ 7.1 to 14.0 mtrs
 ■ above 14.0 mtrs

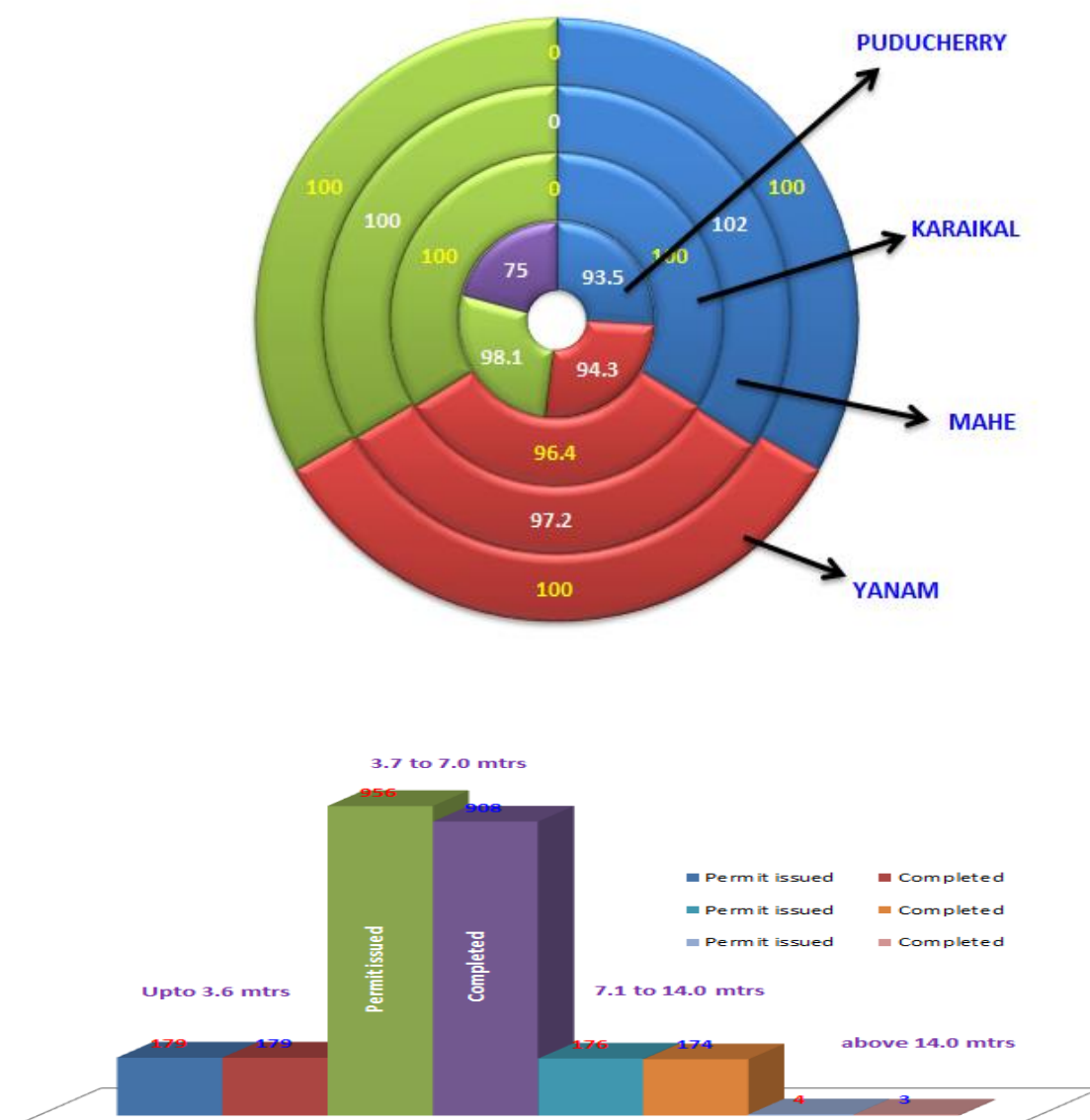
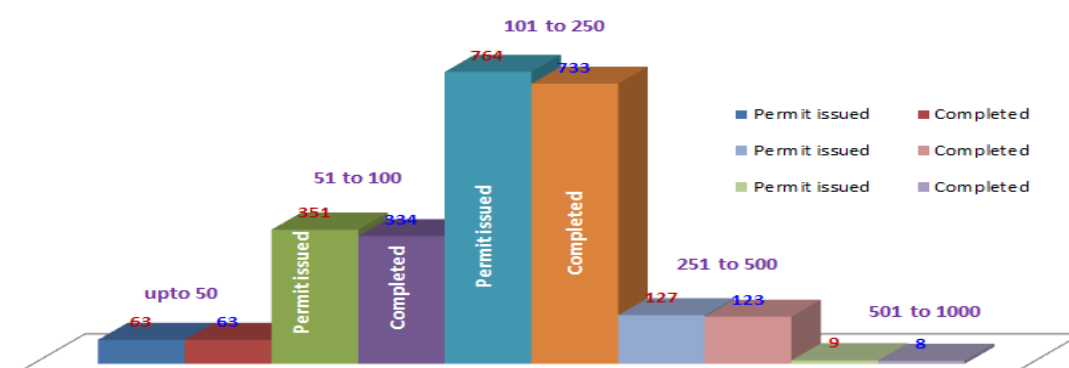
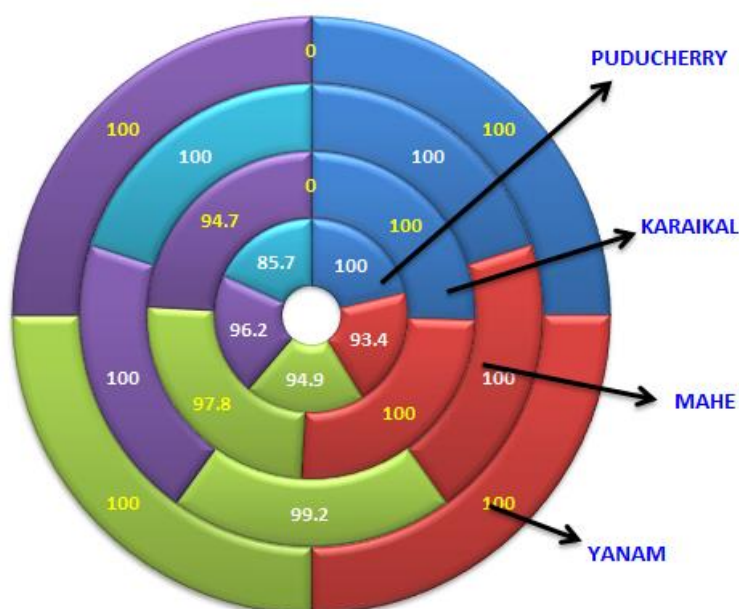


Table 29: Region wise % of building completed against permit issued for floor area

Sl. No.	Name of the Region	% of building completed based on floor area (in Sq. Meters)														
		upto 50			51 to 100			101 to 250			251 to 500			501 to 1000		
		PI	CB	%	PI	CB	%	PI	CB	%	PI	CB	%	PI	CB	%
1	Pondicherry	34	34	100.0	258	241	93.4	549	521	94.9	78	75	96.2	7	6	85.7
2	Karaikal	9	9	100.0	31	31	100.0	91	89	97.8	19	18	94.7	0	0	0.0
3	Mahe	8	8	100.0	24	24	100.0	121	120	99.2	29	29	100.0	2	2	100.0
4	Yanam	12	12	100.0	38	38	100.0	3	3	100.0	1	1	100.0	0	0	0.0
	Total	63	63	100.0	351	334	95.2	764	733	95.9	127	123	96.9	9	8	88.9

PI – Permit Issued, CB – Completed Building

■ upto 50 ■ 51 to 100 ■ 101 to 250 ■ 251 to 500 ■ 501 to 1000



5. Observations

5.1 Permits Issued

Permits issued based on usage

- Out of total permit issued in Puducherry region, 3.7% is for Commercial building, 90.3% is for Residential building, 5.7% is for Residential-cum-Commercial building and 0.3% is others.
- For Karaikal region 2.0% is for commercial building, 98% is for Residential building, No permit was issued for Residential-cum-Commercial and others.
- In Mahe region 13.6% is for Commercial building, 84.8% for Residential building, 1.1% is for Residential-cum-Commercial building and 0.5% is others.
- Whereas in Yanam region 5.6% is for commercial building, 94.4% is for Residential building, No permit was issued for Residential-cum-Commercial and others.

It is observed that of all regions Karaikal has issued higher percentage of permits for Residential building and Mahe has issued higher percentage of permits for Commercial building.

Permits issued based type of housing units

- Out of total permit issued in Puducherry region, 88.3% is for Single units and, 11.7% is for Multiple units.
- Both Karaikal and Yanam has issued permits only for single units
- Mahe has used 0.5% that is only one permit for multiple units.

It is observed that only Puducherry region has issued more permits for Multiple units. Of which 78.1% is issued for 2 units, 11.5% issued for 3-4 units, 5.2% for 5-6 units and 7-10 units.

Permits issued based on number of storeys

- Out of total permit issued in Puducherry region, 69.3% is issued for 2-storeys, and 27.0% is issued for 1-storeys.
- Karaikal has issued 55.5% for 2-storeys and 44.0% for 1-storeys.
- Mahe has issued 69.6% for 2- storeys and 28.3% for 1-storeys.
- Yanam has issued 79.6% for 2-storeys and 13.0% for 1-storeys
- Overall Only 0.8% of the total permits is issued for 4-storeys and 01% for 5-storeys and above.

It is observed that no permits has been issued for 4-storeys and 5-storeys and above for Karaikal and Mahe region. All the four regions issued more permits for 2-storeys.

Permits issued with basement as part of the unit

- Puducherry region has issued 98.9% of the permit for unit without basement as its part.
- Karaikal has issued 94.7% of the permit for unit without basement as its part.
- Mahe has issued 99.5% of the permit for unit without basement as its part.
- Yanam has issued 100% of the permit for unit without basement as its part.

It is observed that all the regions have issued more permits with basement not part of the unit.

Permits issued based on height of the building in meters

- Puducherry region has issued 81.3% of the permit for the building with height 3.7 to 7.0 mtrs.
- Karaikal has issued 55.3% of the permit for the building with height 3.7 to 7.0 mtrs and 44.0% for upto 3.6 mtrs.
- Mahe has issued 39.1% of the permit for the building with height 3.7 to 7.0 mtrs, 34.2% for 7.1 to 14.0 mtrs and 26.6% for upto 3.6 mtrs.
- Yanam has issued 87% of the permit for the building with height 3.7 to 7.0 mtrs.

It is observed that Puducherry region and Yanam region has higher percentage of permits issued for building with height 3.7 to 7.0 mtrs,

Permits issued based on floor area in Sq meters

- Puducherry region has issued 59.2% of the permit for the building with floor area 101 to 250 Sq. mtrs and 27.8% with 51 to 100 Sq. mtrs,
- Karaikal has issued 60.7% of the permit for the building with floor area 101 to 250 Sq. mtrs and 20.7% with 51 to 100 Sq. mtrs.
- Mahe has issued 65.8% of the permit for the building with floor area 101 to 250 Sq. mtrs and 13% with 51 to 100 Sq. mtrs..
- Yanam has issued 70.4% of the permit for the building with floor area 51 to 100 Sq. mtrs and 22.2% with upto 50 sq mtrs.

It is observed that Puducherry, Karaikal and Mahe region has higher percentage of permits issued for buildings with floor area 101 to 250 while Yanam has higher percentage of floor are 51 to 100 sq. mtrs.

5.2 Completed Building

A total of 1261 (out of 1315) buildings were completed, 877 is from Puducherry region, 147 from Karaikal region, 183 is from Mahe region, 54 from Yanam region. As per the in overall UT 33 buildings are work under progress and 21 buildings are abandoned.

Completed building based on Cost of construction

- In Puducherry region 45.6% of the completed buildings are 11-25 lakhs and 42% of the completed buildings are 26-50 lakhs
- In Karaikal region 62.6% of the completed buildings are 11-25 Lakhs and 34.4% of the completed buildings are 26-50 lakhs.
- In Mahe region 46.7% of the completed buildings are 26-50 lakhs and 36.6% of the completed building 11-25 Lakhs.
- in Yanam region 72.2% of the completed building are 11-25 lakhs.

It is observed that Puducherry, Karaikal and Yanam has higher percentage of completed building in 11-25 Lakhs, whereas as Mahe region has higher percentage in 26-50 lakhs.

Completed building based on type of sand used

- In Puducherry region 54.3% of the completed buildings used River sand and 45.3% used M-Sand.
- In Karaikal region 98.6% of the completed buildings used M-Sand.
- In Mahe region 60.7% of the completed buildings used River sand and 38.3% used M-sand.
- in Yanam region 100% of the completed building used River sand.

It is observed that Puducherry, Mahe and Yanam has higher percentage of completed building used river sand with Yanam only river sand, whereas Karaikal region has higher percentage of M-sand

Completed building based on type of Bricks used

- In Puducherry region 95.0% of the completed buildings used Clay Bricks.
- In Karaikal region 96.6% of the completed buildings used clay bricks.
- In Mahe region 48.6% of the completed buildings used other materials, 25.7% used clay bricks and 24.6% used Hollow bricks.
- in Yanam region 100% of the completed building used clay bricks.

It is observed that Puducherry, Karaikal and Yanam has higher percentage of completed building used clay bricks with Yanam only clay bricks, whereas Mahe region has higher percentage of other materials

Completed building based on type of flooring used

- In Puducherry region 74.1% of the completed buildings used Tiles for flooring.
- In Karaikal region 95.2% of the completed buildings used tiles for flooring.
- In Mahe region 50.8% of the completed buildings used Marbles for flooring, 31.1% used Granite for flooring.

- in Yanam region 83.3% of the completed building used tiles for flooring.

It is observed that Puducherry, Karaikal and Yanam has higher percentage of completed building used clay bricks with Yanam only clay bricks, whereas Mahe region has higher percentage of other materials

Completed building based on connected by electricity

- In Puducherry region 99.7% of the completed buildings is connected by electricity.
- In Karaikal, Mahe and Yanam regions 100% of the completed building are connected by electricity

It is observed that in all the four region the completed buildings are connected by electricity with only 0.3% yet to connected in Puducherry region.

Completed building based on connected by electricity

- In Puducherry region 99.7% of the completed buildings is connected by electricity.
- In Karaikal, Mahe and Yanam regions 100% of the completed building are connected by electricity

It is observed that in all the four region the completed buildings are connected by electricity with only 0.3% yet to connected in Puducherry region.

Completed building based on connected by Metal road

- In Puducherry region 90.5% of the completed buildings are connected by Metal road.
- In Karaikal region 89.1% of the completed buildings are connected by metal road.
- In Mahe region 96.2% of the completed buildings are connected by metal road.
- in Yanam region 100% of the completed buildings are connected by metal road.

It is observed that all the four regions have maximum percentage of completed building connected by Metal road.

Completed building based on drainage facilities in the street

- In Puducherry region 80.7% of the completed buildings have drainage facility in the street
- In Karaikal region 76.9% of the completed buildings have no drainage facility in the street.
- In Mahe region 98.9% of the completed buildings have drainage facility in the street.
- in Yanam region 100% of the completed buildings have drainage facility in the street.

It is observed that except Karaikal all other regions have drainage facility in the street.

Completed building based on underground drainage facilities

- In Puducherry region 46.4% of the completed buildings have underground drainage facility and 53.6% have no underground drainage facility.
- In Karaikal region 85.7% of the completed buildings have no underground drainage facility.
- In Mahe region 95.6% of the completed buildings have underground drainage facility.
- in Yanam region 100% of the completed buildings have no underground drainage facility.

It is observed that except Mahe all other regions have higher percentage of no underground drainage facility with Yanam 100% no underground drainage.

Completed building as per master plan of PPA

- In Puducherry region 97.3% of the completed buildings are as per master plan of PPA
- In all other region 100% of the completed buildings are as per master plan of PPA

It is observed that in all the four region the completed buildings are as per the master plan of PPA with only 2.5% not covered in Puducherry region.

5.3 Permit issued Vs Completed building

A total of 1261 building were completed against 1315 permit issued i.e. 95.89%. Region wise Puducherry region has completed 877 building against 927 permits issued 94.61%, Karaikal 183 completed against 184 permits issued 99.46% and Yanam 54 completed against 54 permits issued 100%.

Completed building against permit issued based on usage

- In Puducherry region against permit issued 94.11% of the commercial buildings are completed, 94.86% of Residential buildings are completed, 90.57% of Residential-cum-commercial buildings are completed and 100% of other buildings are completed.
- In Karaikal region against permit issued 100% of the commercial buildings are completed and 97.96% of Residential buildings are completed.
- In Mahe region against permit issued 100% of the commercial buildings are completed, 99.36% of Residential buildings are completed and 100% of Residential-cum-commercial buildings are completed.
- in Yanam region against permit issued 100% of the commercial buildings are completed and 100% of Residential buildings are completed.

Completed building against permit issued based on number of storeys.

- In Puducherry region against permit issued 97.1% of single storey are completed, 95.3% of 2- storeys, 100% of 3-storeys and 100% of 4-storeys are

completed. Only one permit is issued for 5-storeys & above and it is not completed.

- In Karaikal region against permit issued 100% of single storey are completed, 96.4% of 2- storeys and 100% of 3-storeys are completed. There is no permit issued 4-storeys or 5-storeys & above
- In Mahe region against permit issued 100% of single storey is completed, 99.2% of 2- storeys and 100% of 3-storeys are completed. There is no 4-storeys or 5-storeys & above.
- in Yanam region against permit issued 100% of single storey are completed, 100% of 2- storeys, 100% of 3-storeys and 100% of 4-storeys are completed. There is no permit issued 5-storeys & above.

Completed building against permit issued based on height

- In Puducherry region against permit issued 93.5% of upto 3.6 mtrs, 94.3% of 3.7 to 7.0 mtrs , 98.1% of 7.1 to 14.0 mtrs and 100% of above 14.0 mtrs are completed.
- In Karaikal region against permit issued 100% of upto 3.6 mtrs, 96.4 % of 3.7 to 7.0 mtrs and 100% of 7.1 to 14.0 mtrs are completed. No permit is issued for above 14.0 mtrs.
- In Mahe region against permit issued 100% of upto 3.6 mtrs, 98.6 % of 3.7 to 7.0 mtrs and 100% of 7.1 to 14.0 mtrs are completed. No permit is issued for above 14.0 mtrs.
- in Yanam region against permit issued 100% of upto 3.6 mtrs, 100 % of 3.7 to 7.0 mtrs and 100% of 7.1 to 14.0 mtrs are completed. No permit is issued for above 14.0 mtrs.

Completed building against permit issued based on floor area

- In Puducherry region against permit issued 100% of upto 50 sq mtrs, 93.4% of 51 to 100 sq mtrs, 94.9% of 101 to 250 sq mtrs, 96.2% of 251 to 500 sq mtrs and 85.7% of 501 to 1000 sq. mtrs are completed.
- Karaikal region against permit issued 100% of upto 50 sq mtrs, 100% of 51 to 100 sq mtrs, 97.8% of 101 to 250 sq mtrs and 94.7% of 251 to 500 sq mtrs are completed. No permit issued for 501 to 1000 sq. mtrs

- In Mahe region against permit issued 100% of upto 50 sq mtrs, 100% of 51 to 100 sq mtrs, 99.2% of 101 to 250 sq mtrs, 100% of 251 to 500 sq mtrs and 100% of 501 to 1000 sq. mtrs are completed.
- in Yanam region against permit issued 100% of upto 50 sq mtrs, 100% of 51 to 100 sq mtrs, 100% of 101 to 250 sq mtrs and 100% of 251 to 500 sq mtrs are completed. No permit issued for 501 to 1000 sq. mtrs