

A photograph of a white, classical-style building with a central dome and columns, set against a blue sky with light clouds. The building is surrounded by lush green trees and manicured hedges. A paved path leads towards the building. Overlaid on the image is the text 'SOLID WASTE MANAGEMENT IN PUDUCHERRY' in large, bold, white capital letters with a black outline.

SOLID WASTE MANAGEMENT IN PUDUCHERRY

South India



FOUR ENCLAVES OF PUDUCHERRY AND ITS POPULATION

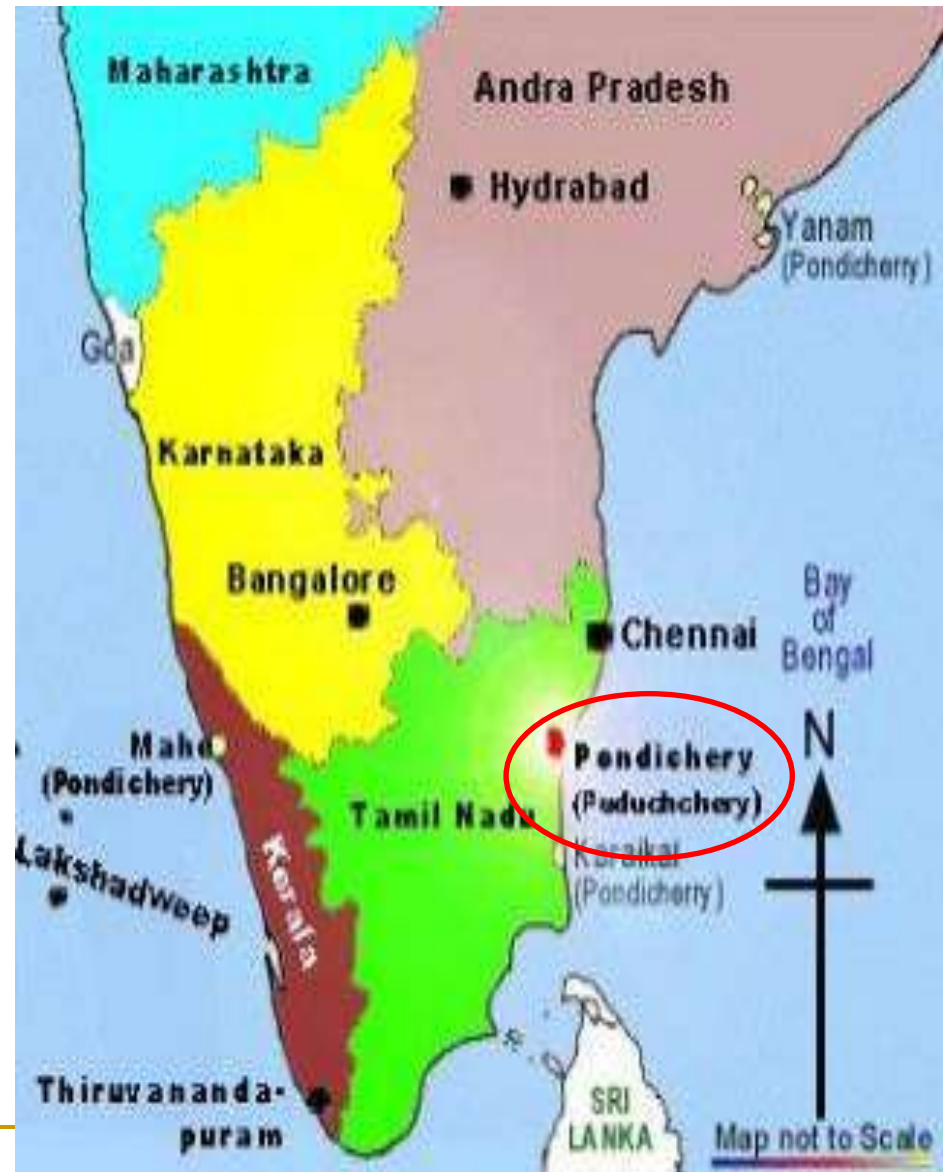
	AREA	POPULATION (As per 2011 census)
PUDUCHERRY	293 Sq.Kms	946600
KARAIKAL	160 Sq.Kms	200314
MAHE	9 Sq.Kms	41934
YANAM	17 Sq.Kms	55616
TOTAL	479 Sq.Kms	1244464

URBAN AGGLOMERATION OF PUDUCHERRY REGION

Name of the Local Body	AREA	GARBAGE GENERATION
PUDUCHERRY MUNICIPALITY	19.46 Sq.Kms	170 TPD
OULGARET MUNICIPALITY	36.5 Sq.Kms	140 TPD
ARIANKUPPAM COMMUNE PANCHAYAT	24.36 Sq.Kms	50 TPD
VILLIANUR COMMUNE PANCHAYAT	29.50 Sq.Kms	40 TPD
TOTAL	109.82 Sq.Kms	400 TPD

City Profile

- ❖ Located on the east coast of South India
174 km from Chennai
- ❖ Window of French Culture
- ❖ Possess rich cultural & architectural identity
- ❖ Tourist, Hub of South India with an average growth of tourists population of 24.66%
- ❖ Under rapid urbanization & economic growth



POPULATION PROJECTIONS & MSW QTY

YEAR	POPL. LAKH	MSW QTY TPD
2001	5.56	313
2008	6.58	370
2013	7.41	416
2018	8.34	477
2023	9.33	536
2028	10.37	611
2033	11.44	686
2035	11.91	714

PUDUCHERRY UNION TERRITORY
ROAD PARTICULARS - PUBLIC WORKS DEPARTMENT (in km)

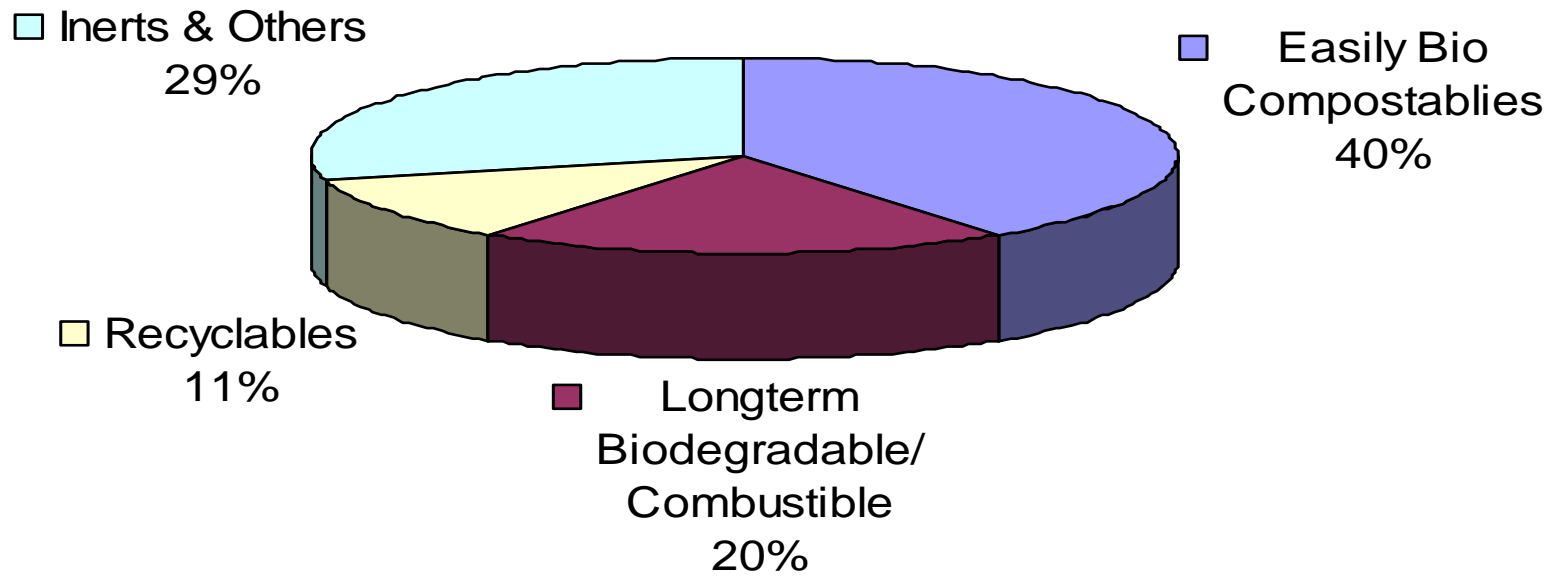
Sl. No	Type of Roads (PWD)	Name of the Region				
		Puducherry	Karaikal	Mahe	Yanam	Total
1	NH	41.628	21.400	1.988	-	65.016
2	SH	36.277	0.525	1.478	-	38.280
3	MDR	25.557	-	-	-	25.557
4	ODR	163.579	67.736	22.999	26.445	280.059
5	RR	177.241	98.756	-	-	275.997
Total		444.282	188.417	25.765	26.445	684.909

UNION TERRITORY OF PUDUCHERRY

ROAD PARTICULARS – LOCAL BODIES(in km)

Sl. No	Type of Local Bodies	Name of the Region				Total
		Puducherry	Karaikal	Mahe	Yanam	
1	Municipalities	472.027	149.680	109.545	46.348	777.600
2	Commune Panchayats	1282.686	504.589	-	-	1787.275
Total		1754.713	654.269	109.545	46.348	2564.875

COMPOSITION OF WASTES



■ Easily Bio Compostables

■ Longterm Biodegradable/Combustible

■ Recyclables

■ Inerts & Others

CURRENT SCENARIO COLLECTION

- 400 MTs of garbages are generated with a per capita generation of 562 gms.
- Source segregation and door to door collections done only in 2 out of 79 wards.
- Tractors and lorries are being used for primary collection.
- Concrete dust bins of 0.75 dia meter are being used.
- 100% of garbages generated are collected.

PRESENT STATUS OF SOLID WASTE MANAGEMENT

1. COLLECTION

- Coverage of collection area – 100%
- Door to door collection
- Dust bin collection
- Street sweeping
- Side drain cleaning and silt removal
- Night cleaning in approach roads

2. TRANSPORTATION

- Transportation by tractor tippers and lorries
 - No transit points
 - No. of Tractor tippers engaged - 198
 - No. of lorries engaged - 15
 - No. of JCB engaged - 2
 - No. of dozers engaged - 1
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TN.32
Y.2935



USE ME

A yellow cylindrical trash can with a black rim and base. The words "USE ME" are painted in large, bold, black capital letters on the yellow surface. The can is positioned against a green wall with a small hole and a dark object near the base. The ground is paved with reddish-brown bricks.





Disposal Yards of different times

Place	From	To
<i>Karuvadikuppam</i>	1978	1992
<i>Dubrayapet</i>	1993	2001
<i>Karuvadikuppam</i>	2002	2010
New site at Kurumbampet (being developed)		

PROBLEMS FACED AT PRESENT

- Inadequate staff strength
- Outlived vehicles
- Lack of adequate awareness
- No proper facility for the disposal of garbage.

PROBLEM AREAS / WEAKNESSES

- ❑ DUE TO HEAVY TOURISM ACTIVITY QTY VARIATION ARE UP TO 30%
- ❑ WASTE COMPOSITION ALSO VARIES ON UPPER SIDE
 - ❖ COMPOSTABLES 30 TO 50%
 - ❖ COMBUSTIBLES 15 TO 30%
 - ❖ PLASTIC 3 TO 12%
 - ❖ SAND/STONES 10 TO 20%
- ❑ THIS NECESSITATES PROVISION OF MULTIPLE PROCESSING TECHNOLOGIES

Thanks
