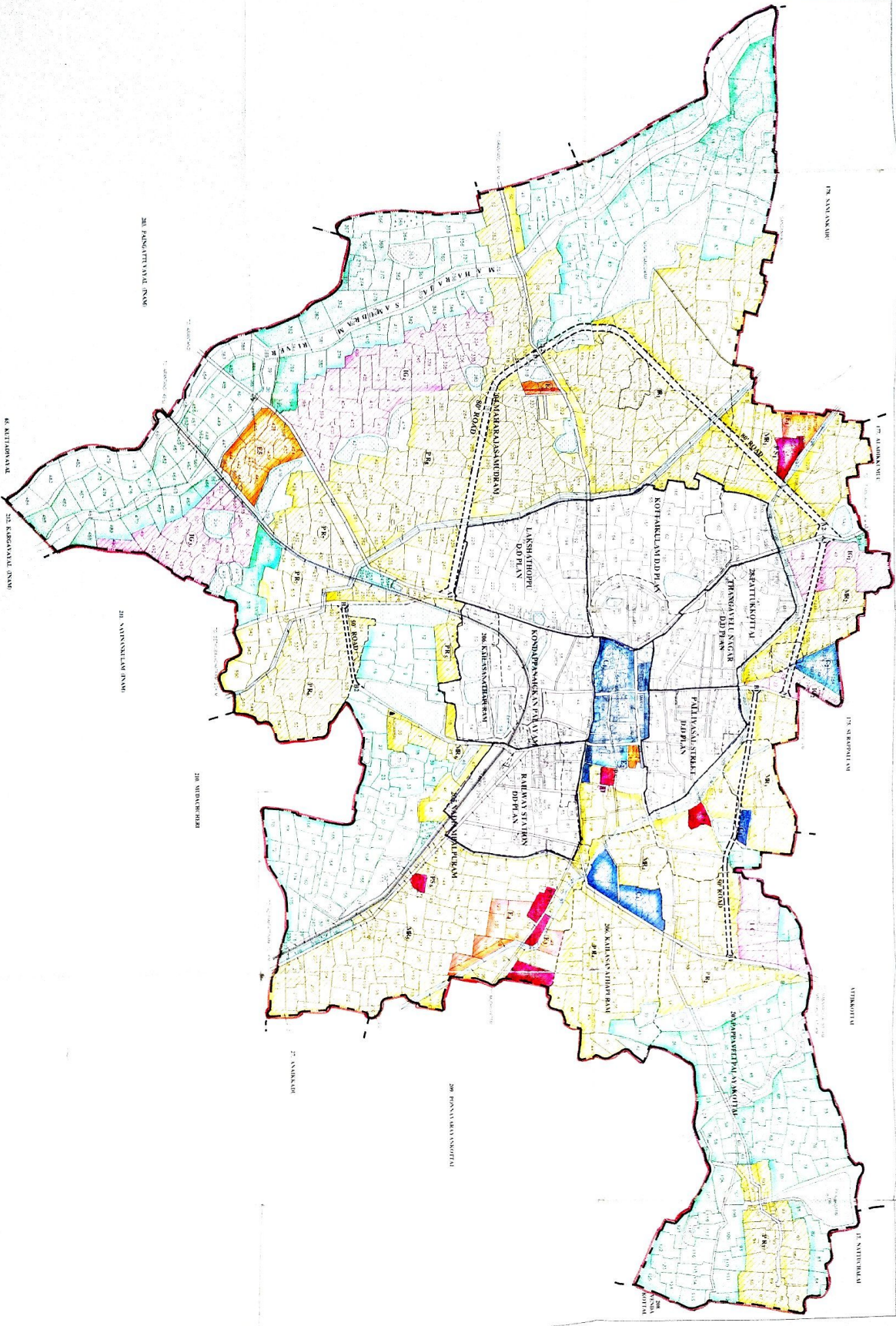


PATTUKKOTTAI LOCAL PLANNING AREA



PATTUKKOTTAI MASTER PLAN PROPOSED LAND USE - 2011

- LEGEND**
- LOCAL PLANNING AREA BOUNDARY
 - VILLAGE BOUNDARY
 - DISTRICT ROADS
 - MUNICIPAL ROADS
 - WATER BODIES
 - O.D. PLAN BOUNDARY
 - RAILWAY LINE (METRE GAUGE)
 - PROPOSED ROAD

- | | |
|------------------------|------------------------|
| EXISTING | PROPOSAL |
| RESIDENTIAL | RESIDENTIAL |
| COMMERCIAL | COMMERCIAL |
| INDUSTRIAL | INDUSTRIAL |
| EDUCATIONAL | EDUCATIONAL |
| PUBLIC AND SEMI-PUBLIC | PUBLIC AND SEMI-PUBLIC |
| AGRICULTURE | AGRICULTURE |

SECRETARY TO GOVERNMENT
TAMIL NADU STATE PLANNING COMMISSION
CHENNAI

DIRECTORATE OF TOWN AND COUNTRY PLANNING
GOVERNMENT OF TAMIL NADU
TRICHIRAPPALLI REGION

DATE: 28/05/2011

SCALE: 1:50,000

PROJECT NO: 10000/2011

APPROVED BY: [Signature]

DATE: 28/05/2011

Approved

PATTUKKOTTAI
LOCAL PLANNING AREA
MASTER PLAN



LOCAL PLANNING AUTHORITY
PATTUKKOTTAI.



30 JUN 2006

13974

12220/02

ABSTRACT
Local Planning Area-Master Plan for Pattukkottai Local Planning Area-Approval under section 28 of the Tamil Nadu Director of Town and Country Planning Act, 1971(Tamil Nadu Act 35 of 1972)-Accorded.

HOUSING AND URBAN DEVELOPMENT(UD&2)DEPARTMENT

G.O.Ms.No.147

Dated. 22.6.2006

Read:

1.G.O.Ms.No.1167,Housing and Urban Development Department,dated.19.12.89
2.G.O.ms.No.357,Housing and Urban Development Department,dated.15.10.97.

Read also:-

From the Director of Town and Country Planning, Letter Roc.No12220/2002/MP3,
dt.5.10.2005 and 29.11.2005.

=====

ORDER:

In the Government order first read above, the Government have accorded approval under section 28 of the Town and Country Planning Act, 1971 (Tamil Nadu Act 35 of 1972) for the master plan for Pattukkottai Local Planning Area. In the Government order second read above, the Government have accorded consent to the publication of a notice of preparation of the modified master plan for pattukkottai Local Planning Area. The Director of Town and Country Planning in his letter third read above has forwarded the modified Master Plan for the Pattukkottai Local Planning Area and requested the Government to accord approval to it under section 28 of the said Act.

2. The Government after careful examination of the proposal of the Director of Town and Country Planning referred to in paragraph 1 above have decided to approve the modified Master Plan for the pattukkottai Local Planning Area. Accordingly, under Section 28 of the Tamil Nadu Town and Country Planning Act, 1971 (Tamil Nadu Act 35 of 1972), the Governor of Tamil Nadu hereby approves the modified master plan for the Pattukkottai Local Planning Area. The copies of the modified master plan for the Pattukkottai Local Planning Area as approved by the Government are communicated to the Director of Town and Country Planning.

3. The following Notification will be published in the next issue of the Tamil Nadu Government Gazette. The Director of Town and Country Planning is requested to ensure that the Notification is republished in the manner prescribed in rules 12 and 15 of the Local Planning Area(preparation publication and sanction)Rules.

NOTIFICATION

In exercise of the powers conferred by sub-section (1) of section 30 of the Tamil Nadu Town and Country Planning Act, 1971, (Tamil Nadu Act 35 of 1972), the Governor of Tamil Nadu hereby publishes the approval of the Government under section 28 of the said Act for the modified master plan for the Pattukkottai Local Planning Area submitted by the Director of Town and Country Planning.

2. The modified master plan for the Pattukkottai Local Planning Area with all its enclosures shall be kept open to the inspection of the public in the office of the Pattukkottai Municipality during office hours.

(By order of the Governor)

R. Sellaiah,
Secretary to Government.

To
The Works Manager, Government Central Press, Chennai-79.
The Regional Deputy Director of Town and Country Planning, Trichy Region, Tiruchirappalli.
The Member Secretary, Pattukkottai Local Planning Authority, Pattukkottai.
The Commissioner, Pattukkottai Municipality, Pattukkottai thro' The Director of Town and Country Planning, Chennai-2.
The Law Department, Chennai-9.
s/fsc.

Forwarded by order/

E. Alimullah
Section Officer.

29-6-06

From
236/2

Copy of:

GOVERNMENT OF TAMILNADU.
ABSTRACT.

Master Plan for Pattukkottai Local Planning Area- Approval under Section 28 of TamilNadu Town and Country Planning Act-1971. accorded.

HOUSING AND URBAN DEVELOPMENT DEPARTMENT.

G.O.Ms.No.1167

Dated:19.12.1989.

Read :

1. G.O.Ms.No. 1005 Housing and Urban Development Department dated 30.11.1984.
2. From the Director of Town and Country Planning Lr.Roc.No.740/85 MP1 dated 20.3.87.

Read also:

3. G.O.Ms.No.909 Housing and Urban Development Department, dated 8.9.1989.

ORDER:

In G.O.Ms.No.1005, Housing and Urban Development Department dated 30.11.1984 the Government have accorded consent to publication of Notice of Preparation of Master Plan for Pattukkottai Local Planning Area.

2. Under section 28 of Town and Country Planning Act 1971 (TamilNadu 35 of 1972) the Governor of TamilNadu hereby approves the MasterPlan for Pattukkottai Local Planning Area submitted by the Director of Town and Country Planning. The delay of 551 days in the preparation of Master Plan and convening a meeting of the Local Planning Authority is hereby condoned. Copies of the Master Plan for Pattukkottai Local Planning Area as approved by Government are communicated to the Director of Town and Country Planning.

3. The following notification will be published in the TAMILNADU GOVERNMENT GAZETTE.

NOTIFICATION

In exercise of the powers conferred by sub-section(1) of section 30 of the TamilNadu Town and Country Planning Act 1971 (TamilNadu Act 35 of 1972) the Governor of Tamil Nadu hereby publishes the approval of the Government under section 28 of the said Act for the Master Plan of Pattukkottai Local Planning Area submitted by the Director of Town and Country Planning.

/ 2/

2. The Master Plan for Pattukkottai Local Planning Area with all its enclosures shall be kept open to the inspection of the public in the office of the Pattukkottai Municipality during office hours.

(BY ORDER OF THE GOVERNOR)

C. CHELLAPPAN,
SECRETARY TO GOVERNMENT.

/ True copy /

Copy communicated by the Director of Town and Country Planning, Madras in Endt. No.32829/88 MP3-1 dated 29.1.90.

/ True copy /

Office of the Deputy Director
of Town and Country Planning,
Tiruchy.

Dated 19.2.90.

Endt. Roc. No.203/90 TRI.

Copy communicated.

(sd.)....
Deputy Director.

To
Deputy Director,
Assistant Directors,
Planning Assistant
Supervisor,
D.III,
TRI.

/ True copy /forwarded/by order.

Sd..... 21.02.90.

ASSISTANT DIRECTOR OF TOWN AND
COUNTRY PLANNING.

Reference No.

: ROC.NO.2021/95 TRI.

Regional Office

: Trichirappalli Region.

Head office

: Directorate of Town and Country Planning.

D.O. R.O.C. No.39027/94(CDD(MP))
dt. 8.3.95.

Master Plan for

: Pattukkottai Local Planning Area.

Approved in Resolution

Approved in G.O.Ms.No. H & UD
Dept. dt.

No. dt.

of the Pattukkottai

Local Planning Authority.

G. D. ... 29/11
Regional Dy. Director
of Town and Country Planning
Tiruchy.

[Signature] 27/9/05
ASST. Director of Town and
Country Planning M.P. Division
Madras.

[Signature] 27/9/05
Director of Town and Country
Planning Madras.

12/23

[Signature]
Executive Authority/
Member Secretary
Local Planning Authority.

[Signature]
ADDL. Director of Town
and Country Planning, Madras.

[Signature]
Commissioner and Secretary
To Government, Housing and
Urban development Dept. Madras.

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- II. Pattukkottai L.P.A. Comprising T.S.No.
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 2. Commercial Use Zone.
 3. Industrial Use Zone.
 4. Public and Semi Public use Zone.
 5. Educational Use Zone.
 6. Agricultural Use Zone.
 - a) Agricultural Wet zone.
 - b) Agricultural Dry zone.
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LIST OF ANNEXURES.

- ANNEXURE A - Local Planning Area Notification under
Section 10(1) G.O.Ms.No.2026, RD & LA
dt. 29.9.73.
- ANNEXURE B - Local Planning Area Confirmation under
Section 10(4) G.O.Ms.No.648, RD & LA
dt.16.8.74.
- ANNEXURE C - Local Planning Authority Constitution
under Section 11(1) - G.O.Ms.No.650,
RD & LA dt.8.4.75.
- ANNEXURE D - Rough Cost estimation for public use
Zone - Scheme.

...

CERTIFICATE

The Master Plan for Pattukottai Local Planning Area have been approved by the Government in G.O.Ms. No.1167, Housing and Urban Development Department, dated 19.12.1989 had been taken for Review as per the Provision made in Section 32(2) (b) of the Town and Country Planning Act, 1971 and Revised Master Plan for Pattukkottai Local Planning Area is prepared by the Deputy Director of Town and Country Planning, Tiruchirappalli Region, Tiruchirappalli is accepted and approved by the Pattukottai Local Planning Authority and submitted herewith to Government for consent under Section 32(1) of the Act.



MEMBER-SECRETARY,
PATTUKOTTAI LOCAL PLANNING AUTHORITY.

25/11/07

CHAPTER - I

MASTER PLAN - THE LEGAL FRAME WORK:

1.01 Government of Tamil Nadu may declare and notify any area of urban character as Local Planning Area under Section 10(1)(b) of the Town and Country Planning Act, 1971 and confirm such notification under Section 10(4) after allowing reasonable time for public to file any objection and suggestion. Section 11(3) provides for the Constitution of 'Local Planning Authority' to exercise the functions of such "Local Planning Area". Section 17 enables the Local Planning Authority to prepare a plan known as "MASTER PLAN", for the whole or part of 'Local Planning Area' warranting for organised development.

1.02 The Master Plan may propose or provide for all or any of the following matters, namely:-

- a. The manner in which the land in the planning area shall be
- b. The allotment or reservation of lands for residential, commercial, industrial, recreational and agricultural purpose.
- c. The allotment of reservation of lands for public buildings, institutions and for civic amenities.

- d. Making of provisions for National Highways, arterial roads, ring roads, Major District Roads, Other District Roads, Major streets, lines of communications including railways, airways, ports and canals.
- e. The traffic and transportation pattern and traffic circulation pattern.
- f. Improvements of major roads and streets.
- g. Area reserved for future developments.
- h. Provision for the improvement of bad layout or absolute development and slum areas and for relocation of populations.
- i. The amenities and utilities services.
- j. Provision for detailed development plans of specific areas for housing, shoppings, industries, civic amenities, educational and cultural facilities.
- k. Control of architectural features, elevation and frontage of buildings and structures,
- l. Provisions for regulating the zone, locations, height, number of stores, size of buildings, other structures, open space and use of buildings and other matters may be prescribed.

PATTUKOTTAI LOCAL PLANNING AREA:

1.03 In exercising the power conferred under section 10(1) of the Town and Country Planning Act, 1971, the Government had published the intension of declaring 'Pattukottai Municipal Area' as "Pattukkottai Local Planning Area" in G.O.Ms.No.2026, RD & LA, dated 29.09.1973 (Annexure A) and the notification had been confirmed in G.O.Ms.No.648, RD & LA., dated: 16.3.74 (Annexure B).

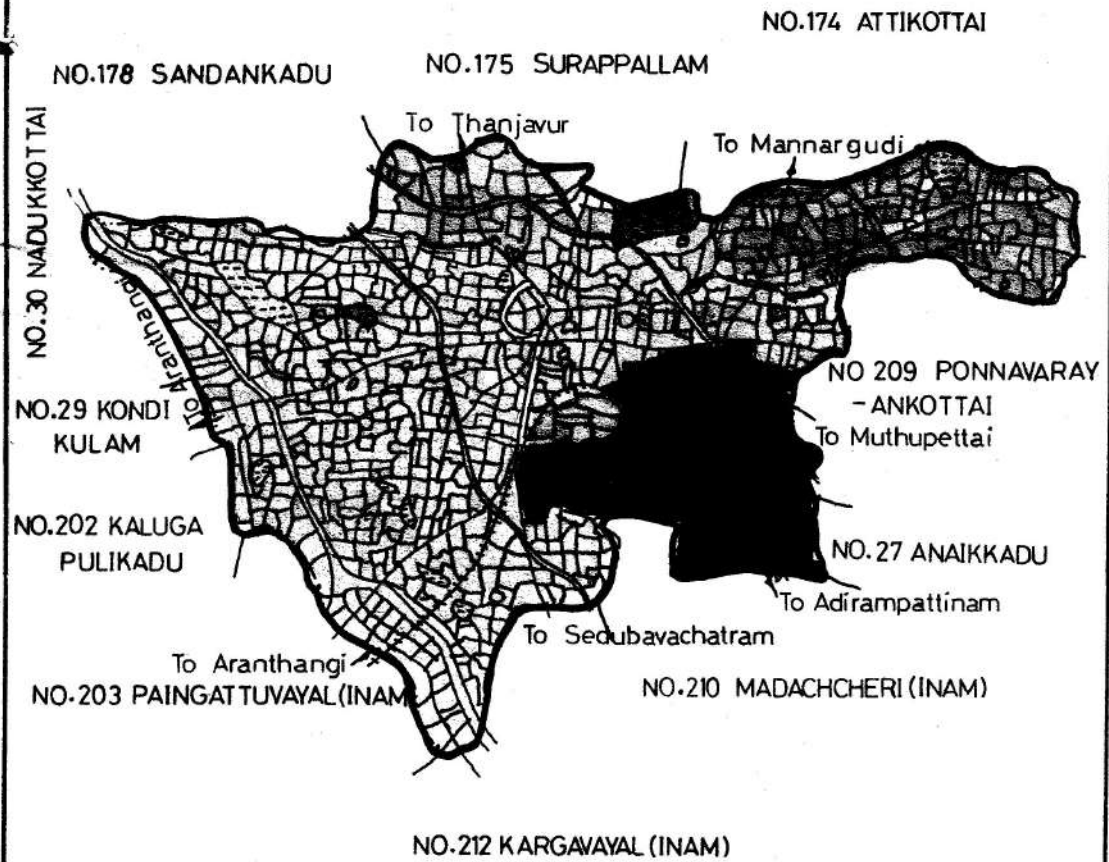
1.04 Pattukkottai Local Planning Area, which co-terminus with Municipal limit comprises of the following revenue villeges.

- i. 204 Maharajasamudram.
- ii. 28 Pattukottai.
- iii. 81 Rangojiappa Thottam.
- iv. 207 Pappaveli Palayakottai.
- v. 206 Kailasanathapuram.
- vi. 205 Nadiyambalpuram.

This administrative set up is shown in Map No.1.

1.05 In exercising the provision made in section 11(1) and 11(3) of the Act, the Government in their G.O. Ms.No.650, RD & LA., dated 8.4.75 (Annexure C) appointed Pattukkottai 'Municipal Council' as the "Pattukkottai Local Planning Authority".


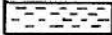
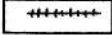
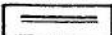



MAP No 1







MASTER PLAN FOR PATTUKKOTTAI TOWN

ADMINISTRATIVE BOUNDARY

LEGEND

-  BOUNDARY OF THE TOWN
-  WATER BODY
-  RAILWAY LINE
-  MUNICIPAL ROADS
-  MAHARAJASAMUDRAM
-  PATTUKKOTTAI
-  RENGOJIAPPATHOTTAM

NOT TO SCALE

-  PAPPAVELIPALAYAKOTTAI
-  KAILASANATHAPURAM
-  NADIAMBALPURAM
- 



DIRECTORATE OF TOWN & COUNTRY
PLANNING
THIRUCHIRAPPALLI REGION

1.06 The Master Plan for Pattukkottai Local Planning Area was prepared and consented in G.O.Ms.No.1005 H & UD Department dated 30.11.1984, approved in G.O.Ms.No.1167, H & UD Department, dated 19.12.89 (Annexure D) and Published in Tamil Nadu Government Gazette Page No.354, Part-VI, Section(1), dated 2.5.90. (Annexure -D).

This Master Plan is revised as per Director of Town and Country Planning Letter Roc.No.390027/94-CC/DD(MP), dt.8.3.95 (Annexure E) considering the present trend of land utilisation and the needs for the future population upto 2011.

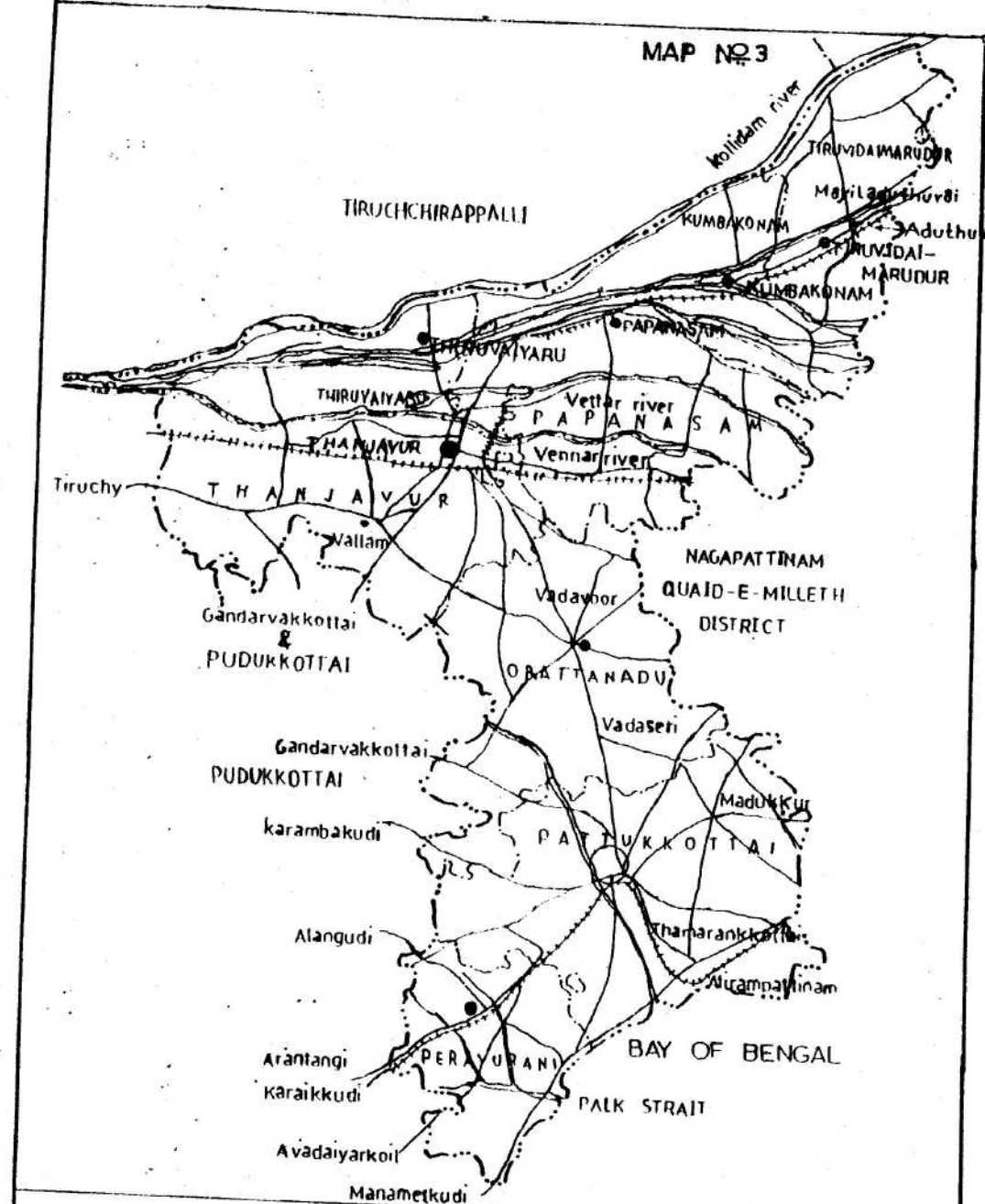
CHAPTER - II.

LOCATION

2.01 Pattukottai, a first grade Municipal town in TamilNadu is located 47 Kilometres south of Thanjavur - the District Headquarters and is situated within 15Kilometres from the coastal strip of palk straits of Bay of Bengal, Mannargudi, Madukkur, Muthupettai, Adirampattinam, Peravurani and Orathanadu, all these towns are located radially at 15-35 Kilometre radius. The strategic location of this town with reference to other surrounding towns could be seen from Map No.2 and 3.

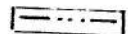

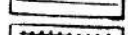

2.02 The town is well connected by District Roads with the nearby urban centres and has railway link with Karaikudi, Thiruthurai, Thiruvarur, Mayiladuthurai and to Madras.

2.03 Pattukkottai is situated at an attitude of 17.70 metres above mean sea level. The town is bounded on the north by Sandankadu, Aladikikuli, Surappalam, Attikkottai, Nattachalai Villages on the west by Vendakottai, Ponnavaarayankottai, Anaikkadu Villages, on the south by Mudachcheri, Navinankulam, Kargavayal villages and on the west by Kuttadivayal, Paingattuvayal, Kalagapulikkadu, Kondikulam, Nadukottai Villages.

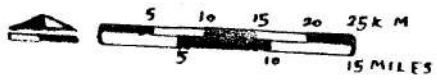


THANJAVUR DISTRICT

LEGEND :

- DISTRICT BOUNDARY 
- TALUK BOUNDARY 
- STATE HIGHWAYS 
- RAILWAY LINE 

PATTUKKOTTAI 



2.04 The town population as per 1991 census was 57909 increased by 17 percent over 1981 with composition of 29323 Males and 28586 females. The town spreads over an extent of 21.88 Sq. Kilometers.

MINERALS AND SOILS:

2.05 Commercially exploitable mineral resources are not found in the town. The soil of the region is generally classified as clay and sandy clay with lesser alluvium content. With the advent of two canals under Cauvery-Mettur project executed in 1930 running through this town, the lands on both sides of these canals become rich in fertile yielding more agricultural outputs. Maharaja Samudram river on west and Nasuvini River on the east serve as drainage rivers, to drain off the surplus water during the rainy seasons. Paddy, oil seeds, chilly and maize are predominant crops cultivated within the town area.

CLIMATE:

2.06 The climate of the town is generally pleasant for human habitation with lesser variations in daily and seasonal temperatures. This is mostly due to its nearness to Palk Strait of Bay of Bengal and due to presence of numerous number of Kulams and Kuttais, canals and rivers in and around the town.

RAINFALL:

2.07 The town gets its profuse rainfall during North-east monsoon spread over October to December. Average annual rainfall is around 100 cm.

FLORA:

2.08 The coconut, jack fruit and tamarind trees are predominant in Pattukottai and its surrounding villages.

HISTORY:

2.09. The trees of an old Fort Land form abutting Thanjavur Road and Aranthangi road can be seen even now in the town. This historically important Fort was said to have been built by the " Pattu Mazhavarayar ". The town with its original name of Palaya Kottai (Old Fort) associated with its architect of Pattu Mazhavarayar assume the present name in the long run. Study reveals that the town was initially brought under headquarters for Revenue Divisional Administration and classified as Town Panchayat for civic administration purposes. Due to its persisting growth as commercial town and service centre for the surrounding rural population, its civic administration was periodically upgraded and is now elevated to the status of First Grade Municipality with a view to provide more requisite infrastructure facilities. The town now becomes the seat of various Divisional Offices of Public Sector.

CHAPTER - III.

POPULATION AND FACILITIES:

3.01 Tamil Nadu State stands second in India in urban centres, studded with large number of urban centres, Pattukottai is one among the urban centre in Thanjavur District containing a population of 57909 in 1991. A comparative study of decadal population variation of Thanjavur District, urban population and Pattukottai town population since 1901 to 1991 is given in Table No.3.1.

TABLE No.3.1 : PERCENTAGE OF DECADAL VARIATION OF POPULATION - 1901-1991.

Decade.	Thanjavur District Total population.	Thanjavur District urban population.	Pattukottai Town Total population.
1901 - 1911	+ 5.25	+ 5.10	+ 13.47
1911 - 1921	- 1.53	+ 2.51	+ 13.01
1921 - 1931	+ 2.40	+ 4.50	+ 14.11
1931 - 1941	+ 7.44	+ 7.35	+ 15.74
1941 - 1951	+ 16.36	+ 35.61	+ 43.57
1951 - 1961	+ 8.82	+ 14.47	+ 35.51
1961 - 1971	+ 18.32	+ 19.18	+ 52.40
1971 - 1981	+ 5.64	+ 18.10	+ 31.32
1981 - 1991			+ 17.03

Source: District Census Hand book.

3.02 Pattukottai rules over the district figure in all decades. However the variation for the last four decades are overwhelming reflecting the urbanization of the town in all spheres of development in this period.

3.03 Pattukkottai raised from a population of 7,504 in 1901 to 57909 in 1991 nearly nine folded increase in 9 decades (Table 3.2). Abnormal and higher percentage of increase in population was noticed after independence because of growing concentration of commercial & activities and provision of physical, social and economical infrastructures in the town which opened out large vista of employment potential for the surrounding rural population.

TABLE No.3.2 : POPULATION INCREASE - PATTUKOTTAI TOWN.

Year.	Population.	Decade growth.	Percentage variation.
1901	7504	--	--
1911	8515	+ 1011	+ 13.47
1921	9623	+ 1108	+ 13.01
1931	10981	+ 1358	+ 14.11
1941	12709	+ 1728	+ 15.74
1951	18246	+ 5537	+ 43.57
1961	24726	+ 6480	+ 35.51
1971	37682	+ 12956	+ 52.40
1981	49484	+ 11802	+ 31.32
1991	57909	+ 8425	+ 17.03

SEX RATIO:

3.04 With increase of urbanization, male from surrounding rural area flowed to Pattukottai resulting the reduction of sex ratio upto 1991. Table No.3.3 elicits the decadal sex ratio since 1901 - 1991.

TABLE No.3.3 : SEX RATIO:

Year.	Males.	Females.	Sex-Ratio No. of females per 1000 males.
1901	3636	3868	1064
1911	4168	4347	1043
1921	4840	4774	985
1931	5494	5487	999
1941	6464	6245	966
1951	9363	8883	949
1961	12664	12062	952
1971	19414	18268	941
1981	25321	24163	954
1991	29323	28586	975

Source: District Census Hand book.

Literacy:

3.05 As per 1981 census, the percentage of literates to the total population is 61.04 percent. It is on very higher side when compared to that of State and District figure where it ranges around 40 percent only.

Density:

3.06 The existing land use and population reveals the following density pattern.

1. Residential density works out to be 313 persons/ hectare.
2. Gross density. : 176 persons/ hectare.
3. Overall density. : 26 persons/ hectare.

Occupation:

3.07 A comparative statement of workers participation rate for the years 1961, 1971 and 1981 are given in the Table 3.4. Though there was a fall in occupational rate in 1971, the gap has been adjusted with the economic growth of the town and raised to 35.07 percent in 1981. In all decades the male workers dominates over female workers in five fold ratio.

TABLE No.3.04: PERCENTAGE OF WORKERS TO POPULATION.

PATTUKOTTAI TOWN.

Year.	Total population.	Workers.		Male workers.		Female workers.	
		Total person.	Percentage to total population.	Total.	% to population.	Total.	% to population.
1961	24726	8481	34.30	6951	28.11	1530	6.19
1971	37682	10541	27.97	9661	25.64	880	2.33
1981	49484	16366	33.07	13874	28.04	2430	5.03
1991	57909	--Not Available--					

3.08 The participation of workers in 1971 under three major sectors are furnished in Table No.3.5. While a higher percentage of workers(58%) are engaged in tertiary sectors, only 16.19% of workers are occupied in secondary sectors reflecting the intensive commercial activities of the town and the meagre industrial development.

3.09 The first grade Municipal town being the headquarters of Revenue Divisional Office, Taluk Office, Panchayat Union and other core-sector divisional office, attract a good number of commuters, daily from all directions who provide the economic upliftment of the town.

TABLE No.3.5: SECTORAL EMPLOYMENT - PATTUKOTTAI TOWN 1981.

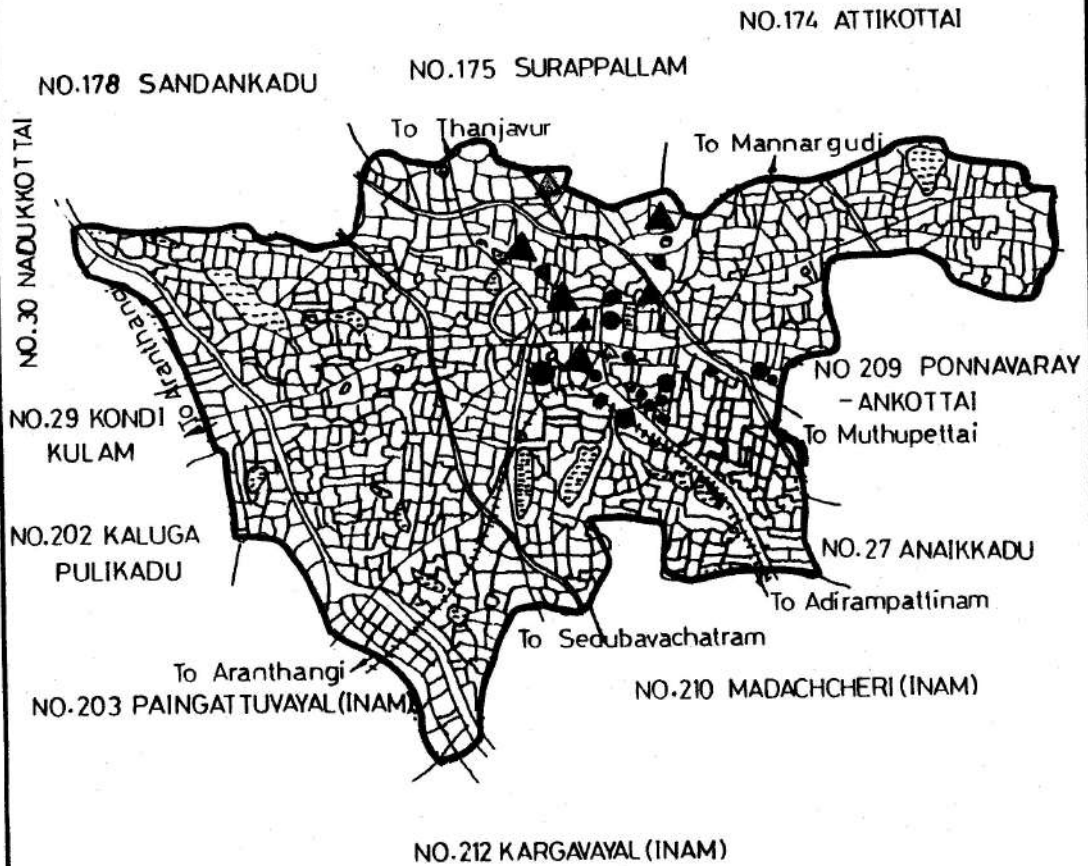
Sectors.	Workers employed.	Percentage to total workers.	Percentage to total population.
Primary.	2721	25.81	7.21
Secondary.	1707	16.19	4.54
Tertiary.	6113	58.00	16.22
Total:	10541	100.00	27.97

Education:

3.10 The thirst of education is fulfilled by the existence of 7 Elementary schools, 6 Middle schools, one High school for Girls, Two Higher Secondary schools each one for Boys and Girls. There is no college for higher education. But there is one Polytechnic, at the outskirts of the town, offering technical education. State owned Rural Extension Training Centre, located at Muthupettai Road, provide academic and field training in agricultural farming and Handicrafts.

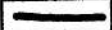
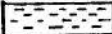
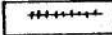
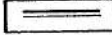
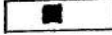


Medical:

3.11 The health of the town and rural population is taken care of by one Government Taluk Headquarters Hospital and two Municipal child and maternity centres beside there are 15 private nursing homes extending such services to the needy public. The dispersion of these public institutions is shown in Map No:4.







MASTER PLAN FOR PATTUKKOTTAI TOWN

IMPORTANT PUBLIC INSTITUTIONS
LEGEND

-  BOUNDARY OF THE TOWN
-  WATER BODY
-  RAILWAY LINE
-  MUNICIPAL ROADS
-  RAILWAY STATION
-  MARKET
-  BUS STAND

NOT TO SCALE

-  HOSPITAL
-  EDUCATION
-  PUBLIC OFFICES
-  CINEMA THEATER



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Water Supply:

3.12 The town is provided with protected water supply scheme with its head works located on the north west corner of the town and along the bed of Rajamadam canal (which is a component of Cauvery Mettur Project executed in 1930) The head works draw water from Rajamadam canal from July to January and from the 3 deep bore wells sunk in the head works ~~site~~ site for the remaining period. The purified portable water is pumped to a service over head tank of 3.6 lakhs capacity constructed in Bazaar area. The over head tank is filled twice in a day and water is supplied to the citizens through 2160 house connections and 100 public fountains and 85 hand pumps are available in various ^{places} / during morning and evening hours at the rate of 100 litres/day/ Newly developing areas and slums are yet to be provided with this facilities.

Drainage:

3.13 As open drains are constructed along a few important ~~through~~ thoroughfares, that the covering limited stretches only. Out of 13991 houses only 30 percent are provided with septic tank/dry latrines. Generally these sub standard sanitary facilities pose health hazards in the developed pockets.

Parks and Playgrounds:

3.14 Pattukottai Municipal Council maintains one well developed park named as "Gandhiji Punga". vast playgrounds attached to Government Higher Secondary schools for boys is also used for conducting public tournaments and sports. Proposals are submitted by the Council to Government to notify parks, playfields and open spaces for their preservation and maintenance.

Housing:

3.15 Among 13991 houses assessed for taxation in 1994, only about 30 percent are pucca and the remaining are semi-pucca and kutcha in nature. The occupancy rate is steadily increased from 5.2 in 1961 to 6.2 in 1981 and declined to 4.71 in 1983 reflecting the mixed demand and supply in housing stocks.

Slums:

3.16 There are 4 slum clusters identified for development under Accelerated Slum Improvement Programme or with Unicef aids. The locations of these slums can be seen in Map No:5. The slums and its population with extents are given in Table No.3.6.

TABLE No.3.6: SLUM POPULATION AND ITS EXTENT.

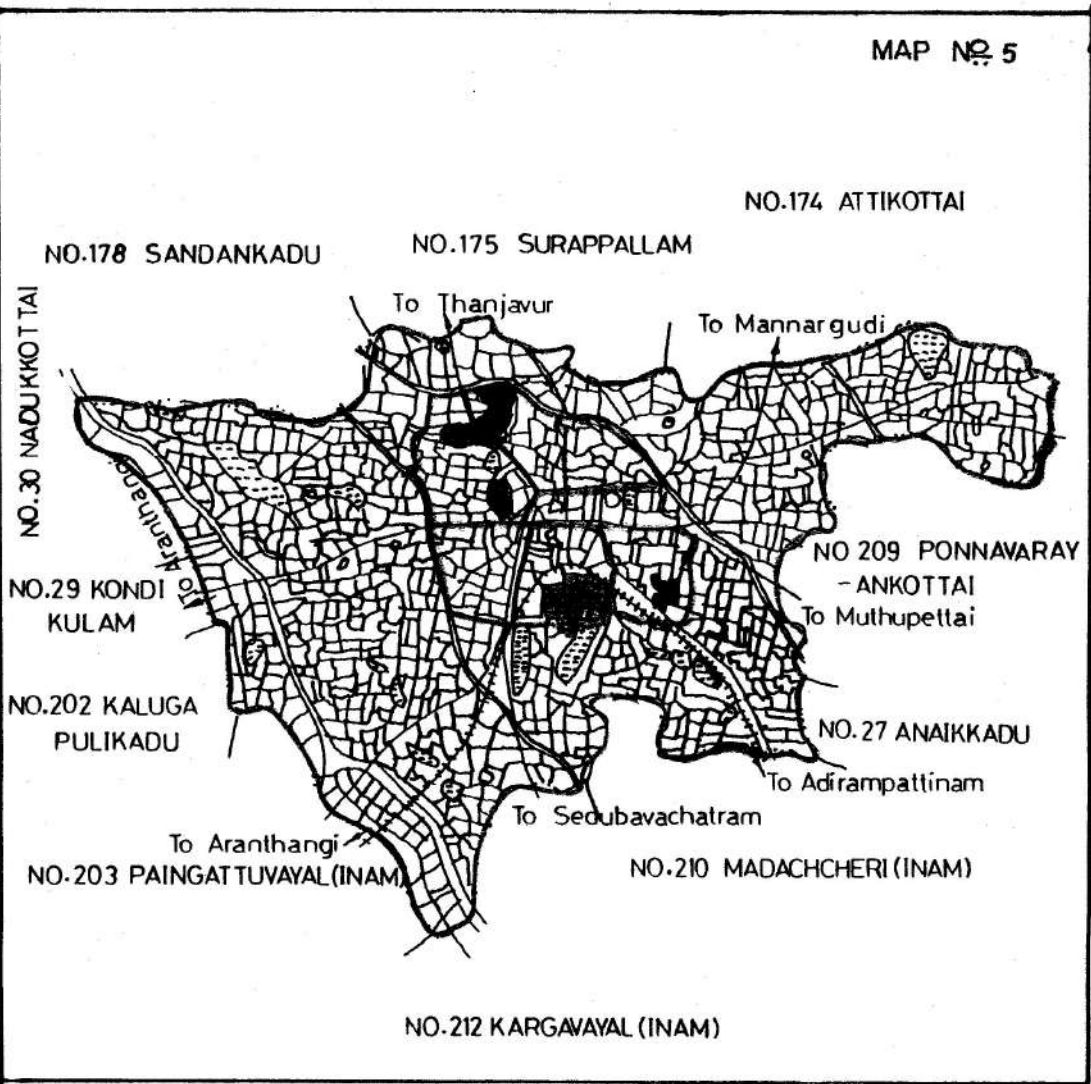
PATTUKOTTAI TOWN - 1994.

Name of Slum.	Approximate extent in acre.	Slum population in 1994.
1. Anaivilundhankulam and Kovikollai cluster.	20	1020
2. Bakkiam Nagar, Kettaikulam.	10	2369
3. Anna Nagar, Kamaraj Nagar, Narikurava's colony, Kailasanathapuram Area.	15	2831
4. Antoniyar Kovil Street, West Adi Dravida Street.	5	2295
Total:	50	8515

Source: Perspective Plan prepared by Pattukottai Municipality.

Detailed Development Plans:

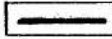

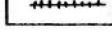




3.17 Detailed Development Plans were notified for the organized development in the developed and developing area. The location of these scheme areas is depicted in Map No:6. The name of Detailed Development Plan with their extent are given in Table No.3.7.




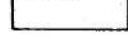


MASTER PLAN FOR PATTUKKOTTAI TOWN

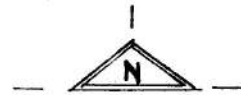
LOCATION OF SLUMS

LEGEND

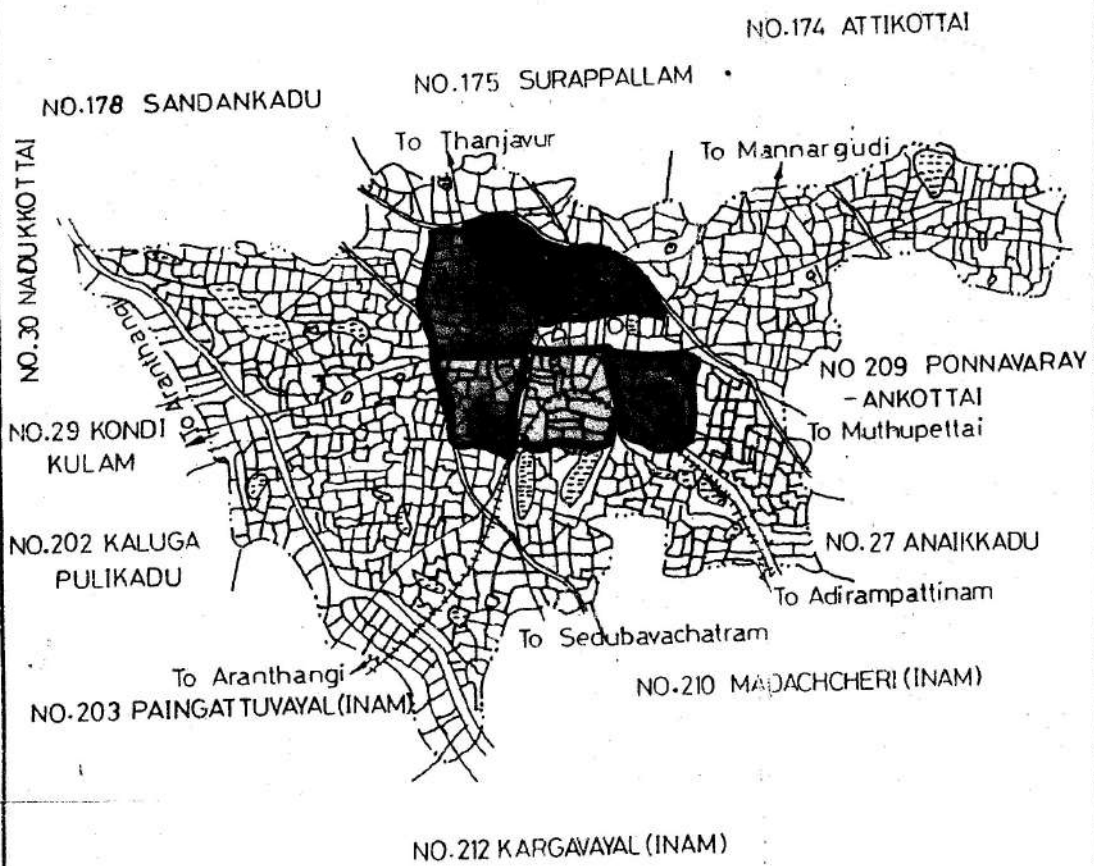
-  BOUNDARY OF THE TOWN
-  WATER BODY
-  RAILWAY LINE
-  MUNICIPAL ROADS
-  ANAIVILUNDHANKULAM & KORIKOLLAI CLUSTER
-  BAKKIAM NAGAR
-  KAMARAJAR NAGAR
NARIKURAVARS COLONY
ANNA NAGAR

NOT TO SCALE

-  ANTHONIYAR KOIL STREET
-  EAST ADIDIRAMDA STREET
- 
- 



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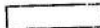
MASTER PLAN FOR PATTUKKOTTAI TOWN

ADD PLAN

NOT TO SCALE

LEGEND

 BOUNDARY OF THE TOWN

 WATER BODY

 RAILWAY LINE

 MUNICIPAL ROADS

 KOTTAIKULAM 200.33Ac

 THANGAVELU NAGAR 121.45Ac

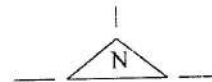
 PALLIVASAL STREET 118.01Ac

 RAILWAY STATION 74.16Ac

 KONDAPPA NAICKEN PALAYAM 157.91

 LAKSHATHOPPU 142.36





DIRECTORATE OF TOWN & COUNTRY PLANNING
THIRUCHIRAPPALLI REGION

TABLE No.3.7: DETAILED DEVELOPMENT PLAN - PATTUKOTTAI TOWN.

Sl. No.	Name of Detailed Development Plan.	Extent in acres.	Stage.
1.	Kottaikulam Detailed Development Plan.	200.38	Approved.
2.	Lakshathoppu Detailed Development Plan.	121.45	"
3.	Thangavelu Nagar Detailed Development Plan.	118.01	"
4.	Pallivasal Street Detailed Development Plan.	74.16	"
5.	Kondappanaickenpalayam Detailed Development Plan.	157.91	"
6.	Railway Station Detailed Development Plan.	142.36	"

C H A P T E R - I V .

LAND USE AND TRANSPORTATION:

4.01 The following seven thorough-fares emanate from Pattukottai Town and provide communication links to the surrounding towns.

1. Pattukottai-Orathanadu-Thanjavur Road
2. Pattukottai-Vadaseri-Mannargudi Road
3. Pattukottai-Madukkur-Mannargudi Road
4. Pattukottai-Muthupettai Road
5. Pattukottai-Adirampattinam Road
6. Pattukottai-Sethubhavachatram-Peravurani Road
7. Pattukottai-Aranthangi Road

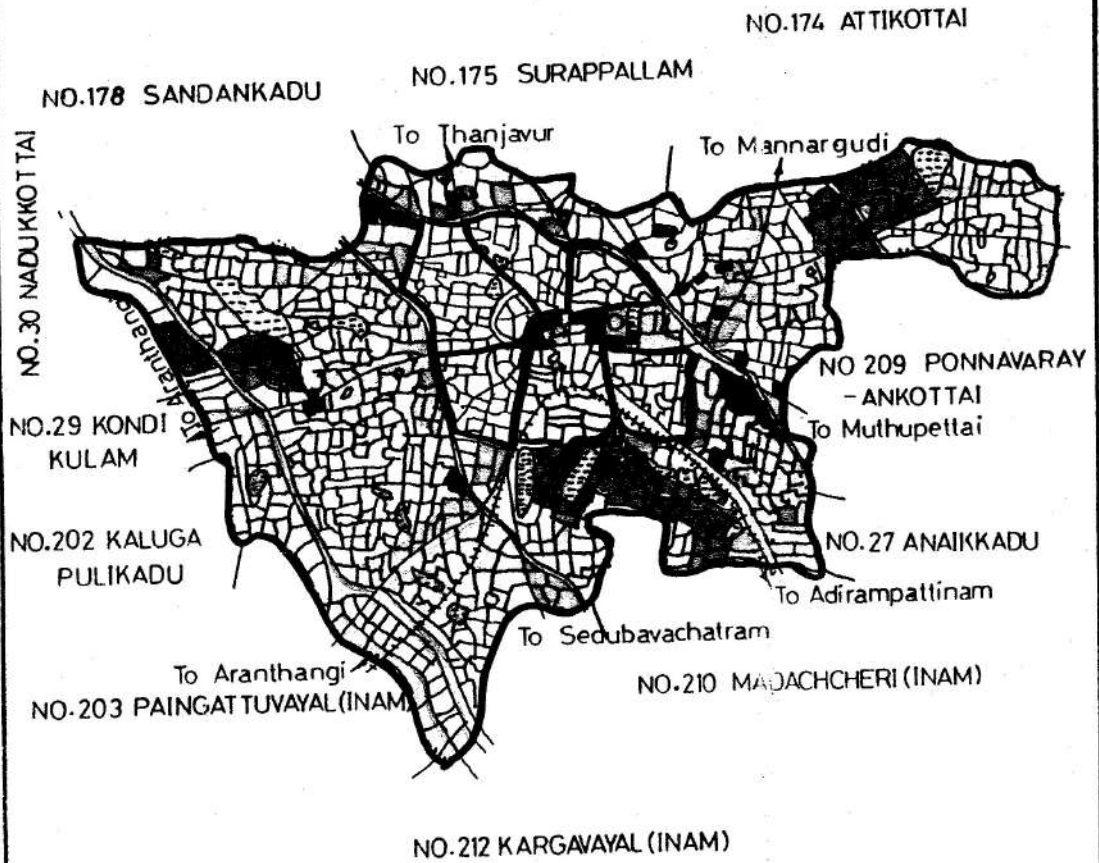
4.02 The developments are generally dense on both side of the above main roads within the Municipal limit and are extended upto C.M.P.branch canals on the north and railway line on the south leaving a few pockets here and there. Concentric residential developments are taken place encompassing the intermediate commercial and industrial pockets. Inner core adjacent to commercial buildings are utilised for public and semi-public activities comprising of Bus Stand, Railway station, Government Offices, Schools and Hospitals etc. New residential colonies are spring up along Aranthangi road and Adirampattinam roads and south of Railway line.

4.03 The existing land use is grouped under a major classifications and is given in Table 4.1. Among 2183 hectares of land in the town, 1575.11 hectares(72.15%) still remains as agricultural land indicating the poor development of the town. Out of the developed area, nearly 56.6 percent is put into residential use and 6.65 percent into public and semi-public use. 4.85 percent are utilized for industrial use and 4.20 percent for commercial use reflecting the development of the town as a commercial and service centre to the surrounding rural settlements.

Table No.4.1: EXISTING LAND USE - PATTUKOTTAI 1995.

Uses.	Extents in hectares.	Percentage to total area.	Percentage to developed area.
Residential.	184.28	8.40	56.60
Commercial.	13.70	0.63	4.20
Industrial.	15.65	0.72	4.81
Educational.	22.50	1.03	6.91
Public and Semi-public.	21.64	0.99	6.65
Transportation.	67.79	3.11	20.83
Agricultural Dry.	1337.44	61.27	-
Agricultural Wet.	237.64	10.88	-
Water bodies.	282.33	12.97	-
Total:	2183.00	100.00	100.00


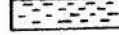


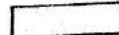


Existing land use is shown in map No: 7.








MASTER PLAN FOR PATTUKKOTTAI TOWN

EXISTING LAND USE

LEGEND

-  BOUNDARY OF THE TOWN
-  WATER BODY
-  RAILWAY LINE
-  MUNICIPAL ROADS
-  RESIDENTIAL
-  COMMERCIAL
-  INDUSTRIAL

NOT TO SCALE

-  EDUCATIONAL
-  PUBLIC & SEMIPUBLIC
-  AGRICULTURE - WET
-  AGRICULTURE - DRY
-  PROPOSED ROADS

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4.04 Congested residential buildings are cropped on 1. North of Anaivilunthan Kulam Street, Chetti Street east of Chunnampukarathery and Arisikaratheru upto C.M.P.Canal.

2. In old Fort area and west of Thanjavur road
3. In between Nadimuthu Nagar High School road and Punitha Anthoniyar Koil Street
4. On both sides of railway line between Railway station and Sethubhavachatram road level crossing
5. In between Valavanpuram road and Kandiyar street
6. Along Perumalkoil street and Pannavayal road.

4.05 Commercial activities are concentrated in the central pocket bounded on the north by Chowkandi Street, Pillaiyar Koil Street and post office Street, East by Arisikara Street, South by Muthupettai road and Adirampattinam road, West by Thanjavur road. Thickly developed shops are also noticed along Palaniyappan Street leading to Bus Stand, Chinnaya Street, Thalayyari Street and Thanjavur road.

4.06 Most of public offices are located around the bus stand area. Rice mills are the major industries of the town and they are found in large numbers along Thanjavur road, Aranthangi road, Sethubhavachatram road and weekly shandy area.

4.07 Though the lands on both sides of C.M.P. canals are irrigated which is passing through the town, the major portion of the town are under dry agriculture. A few pockets of land adjoining large tanks in Maharajasamudram, Pappaveli Palayakottai only come under wet cultivation.

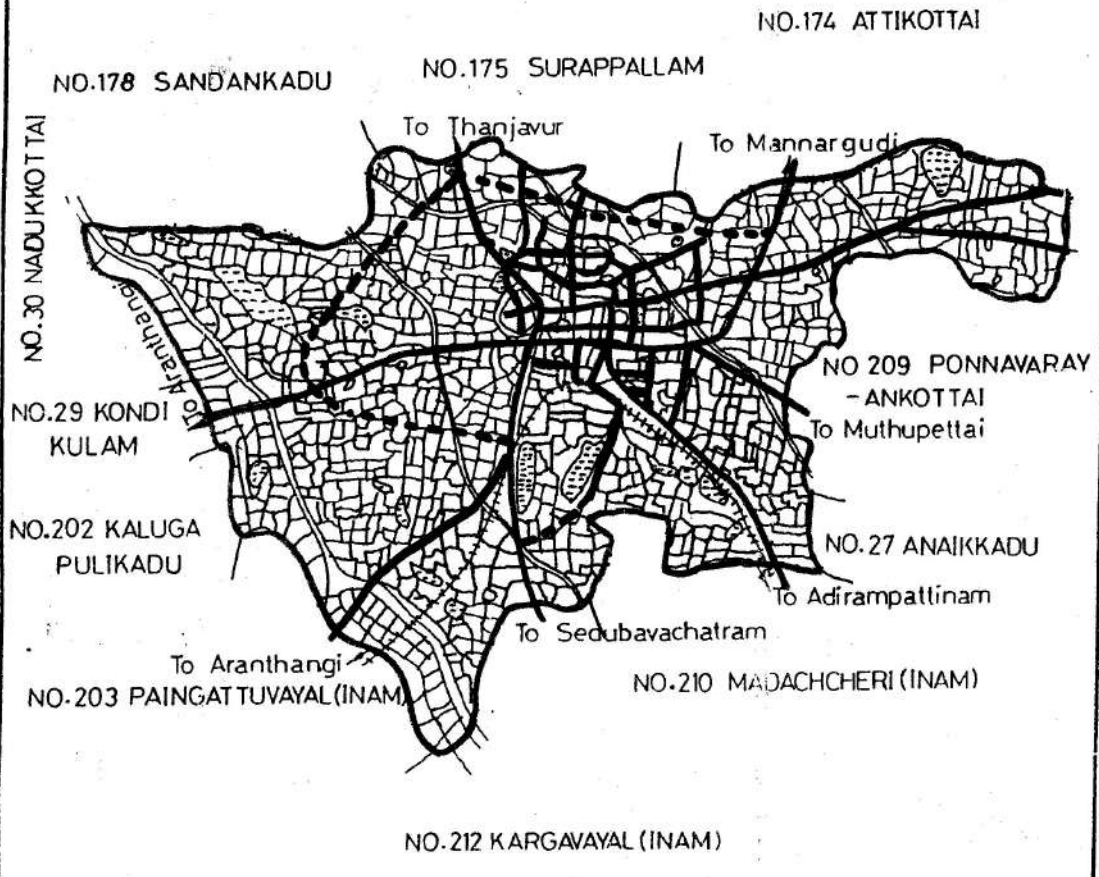
4.08 The present land use of the town is shown in the map appended to this report.

Transportation:

4.09 The main thoroughfare and the roads connecting the nearby rural settlements follow the radial pattern. These radial roads are connected by local connecting roads, forming the 'spider-web' pattern of road system in the town.

4.10 The town is linked by railway on the west to Karaikudi and on the north to Mayiladuthurai and further upto Madras. The transportation network is shown in the Map No:8.

4.11 The seven district roads radiating from this town connect with other important urban centres - namely Orathanadu, Thanjavur, Mannargudi on the north, Madukkur, Muthupettai and Thiruthuraiipoondi on the east, Adirampattinam and Peravurani on the south and Aranthangi on the west. Frequent buses flying through these roads makes more than 300 trips with







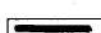






MASTER PLAN FOR PATTUKKOTTAI TOWN

STREET NET WORK

NOT TO SCALE

LEGEND

	BOUNDARY OF THE TOWN	
	WATER BODY	
	RAILWAY LINE	
	MUNICIPAL ROADS	
	DISTRICT ROADS	
	PROPOSED ROADS	
		

DIRECTORATE OF TOWN &
COUNTRY PLANNING
THIRUCHIRAPPALLI REGION

Pattukottai town from the above urban centres for transportation of men and materials and for commuting people daily from the settlements within radius of 25 Kilometres for their employment. The existing Bus stand with 25 bays put into use for the public.

4.12 The Railway link provides 5 up and down services to the towns in Karaikudi-Mayiladuthurai track and beyond. It becomes insignificant with poor volume of passenger traffic which is handled by the mass transportation on railway.

C H A P T E R - V.

ANALYSIS AND ASSESSMENT:

5.01 The previous Chapters have clearly indicated the existing trend of development with growth potentials and land utilizations which reveals the functions of the town. It also indicated the trend of growth of population. An attempt is made, in this Chapter, to analyse on the potentialities, needs and limitations within which they can be developed.

5.02 As conceded by the eminent town planners the planning period for this comprehensive Master Plan is taken as 20 years from 1991 - the last census base year. As such projections and predictions are worked out for the requirements in 2011.

5.03 Based on the trend of population growth on the previous decades, population predictions are worked out for the next two decades and given in Table No.5.1.

TABLE No.5.1 : PROJECTED POPULATION - PATTUKOTTAI TOWN.

Method.	2001.	2011.
1. Parabolic curve.	74,949	1,10,185
2. Geometric curve.	72,965	91,939
3. Arithmetical increase.	63,509	69,109
4. Incremental increase.	63,707	69,307

5.04 Among the population projections obtained through the statistical exercises, parabolic curve method provides the highest expected population of 1,10,185 persons in 2011. Directorate of Town and Country Planning, Madras has submitted a comprehensive document on urbanization for approval of Government of Tamil Nadu so as to decide the spatial dispersement of urban population in Tamil Nadu and its status with reference to its function. In this proposal, Pattukottai has been identified as municipal urban growth pole and assigned with a plan population of 1,00,000 in 2011. Accordingly Pattukottai Master Plan proposals are designed for a population of 1,00,000 in 2011.

5.05 On the assumption that there may not be any variation in the percentage of population in different age structures for the another two decades, projections are made and details are furnished in Table No.5.2 for different age-group of population.

TABLE No.5.2 : FUTURE AGE-GROUP POPULATION - PATTUKOTTAI TOWN.

Age Group.	2001	2011
0 - 14	28,500	38,000
15 - 19	6,000	8,000
20 - 24	5,625	7,500
25 - 29	6,750	9,000
30 - 39	11,250	15,000
40 - 49	7,500	10,000
50 - 59	5,625	7,500
60 and above.	3,750	5,000
	75,000	1,00,000

5.06 Newly 57,000 people between the age group of 15 and 59 constitute the expected working force of the town at 2011. However considering the factors such as the female population in the age group and their anticipated employment ratio, the population who may opt for higher education, and those already employed, it is estimated nearly 16,000 persons will have to be provided with jobs before 2011. Additional employment opportunities have to be created in the secondary sector where only percentage of employment is lower according to the present occupational structure.

5.07 Considering the overall physical development and the upkeepment of economic stability of the town the following pattern of employment distribution may be adopted.

Primary Sector : 10 percent of the total workers.

Secondary Sector : 30 percent of the total workers.

Tertiary Sector : 60 percent of the total workers.

5.08 Based on the above suggested employment pattern and the present occupational distribution, the need for creating additional employments in each sector are worked out and given in Table 5.3.

TABLE No.5.3 : SECTORAL EMPLOYMENT NEED 2011 - 1,00,000.

Sector.	Estimated workers.	Workers as per 1971 census.	Creation of new job needed.
Primary.	9,000	2,721	6279
Secondary.	3,000	1,707	1293
Tertiary.	18,000	6,113	11887
Total:	30,000	10,541	19459

Note: We see that the rate of workers to population has decreased from 34% in 1961 to 28% in 1971. So the worker population in 2011 is arrived as 30% of workers to total population, in 2011.

Land use Requirements:

5.09 Eminent land use planners, after studying the physical development of the towns of different size and characteristics, have evolved a standard for future land use requirements. Based on these findings, the Directorate of Town and Country Planning, has also formulated a standard for future urban land use requirements in urban centres in Tamil Nadu. Accordingly land requirement for major urban land uses anticipated in 2001 for Pattukottai Local Planning Area is given in Table 5.4.

TABLE No.5.4 : LAND REQUIREMENT FOR 2011-PATTUKOTTAI.

Uses.	Suggested standard hectares per 1000 population.	Percentage to total developed hectares.	Future land requirements in hectares.	
			2001	2011
Residential	8.00	50.00	600	880
Commercial	0.40	2.50	30	44
Industrial	2.00	12.50	150	220
Public and semi public.	2.00	12.50	150	220
Transportation	1.60	10.00	120	176
Playground	2.00	12.50	150	220
Others.	2.00	-	150	220
Total:	18.00	100.00	1350	1980

5.10 Considering the vernal growth of structural development, the allocation of land in the land use zones are reduced to a certain extent. The details of Survey Numbers included in the land use zones are shown in the schedule.

CHAPTER-VI

MASTER PLAN - PROPOSALS:

6.01 Pattukottai Town in Thanjavur District has allowed to grow as per the Master Plan approved in G.O. Ms.No.1167, Housing and Urban Development Department, dated 19.12.89. To guide, future physical development on general planning principles, considering the various development taken place since then the Master Plan was approved, A revision of Master Plan has been carried out laying more emphasis on proposed land use pattern is proposed. The aim and objectives of the plan include all or some of the following objectives.

1. To designate appropriate and viable functional units distinguished but complementary to one another.
2. To provide urban facilities and infrastructures to cater to the needs of serving population, keeping an eye on over all economy.
3. To provide adequate amenities and open space within the scope of developers.
4. To create a healthy, comfortable and safe environment to live.
5. To improve the existing circulation pattern and transportation system and to provide safe efficient transportation net work.
6. To conserve the agricultural wet lands.
7. To create a climate for more industrialisation and improve the town condition for one and all.
8. To stimulate the commercial and other tertiary activities for generating more employment opportunities and improving the per capita income.

9. To make the town functionally efficient and economically viable.

6.02 Pattukottai, a Revenue Divisional Headquarters town, houses a population of 57909 as per 1991 census. The town, with its ideal location coupled with well linked transportation net works to the surrounding towns and nearby villages, will maintain the pace of growth, witnessed in past decades, and will very soon attain further promising status in administrative set up. The commercial and industrial activities may in turn get further fillip paving way for influx of more migrants.

6.03 Having in mind, the expected increase in population and consequential land requirement for the orderly development, judicious allocation of lands for residential, commercial, industrial, educational and public and semi-public uses are duly considered and the revised Master Plan proposals are drawn up to have a compromise land use without any conflict.

6.04 The proposed land uses area thus designated are shown in the proposed land use map appended to the report. The land required for different urban uses and the standard requirements are furnished in the Table No.6.01.

TABLE No.6.01 PROPOSED LAND USE - PATTUKOTTAI.

Use	Future land requirement in 2011 (in Hectare)	Percentage	Actually provided extent in Hectares.	Percentage to developed area	
Residential	880	44	922.80	64.29	
Commercial	44	3	79.24	5.52	
Industrial	220	11	275.13	19.17	
Educational Public and Semi-Public.	396	20	44.27	3.08	
			30.15	2.10	
Transportation			83.75	5.84	
Others	440	22	Wet	231.53	-
			Dry	233.80	-
			L.U.W (Land Under Water)	282.33	-
	1980	100	2183.00	100.00	

NOTE: Eventhough loss area are proposed under Education, Public and Transportation, the area of local roads and streets are not taken for calculation purpose.

RESIDENTIAL :

6.05 Considering the present trend of development and land classification pockets of lands are earmarked for residential purpose. The vacant lands within the developed area and pockets of dry lands in Pappavelipalaya kottai, Kailasanathapuram, Rengojiappa Thottam, Maharajasamudram and Nadiambalapuram are demarcated for residential purpose. Total land set apart under this use zone is 922 Hectares. The old core residential pocket and adjoining areas are grouped under under

'Mixed Residential Zone' and the newly developing colonies and areas now contemplated under this plan are classified as 'Primary Residential Zone'. The uses permissible in these zones are given in the Zoning Regulation Chapter.

COMMERCIAL:

6.06 The core area bounded on the North by Choukandi Street, Pillaiyar Koil Street, on the East by Agraharam Street, Gulal Street, on the South by Thalaiyari Street, Kaliyamman Koil Street and on the West by Thanjavur Road will function as Town centre. Besides, the lands on the western side of Mannargudi road is earmarked for Commercial purposes.

INDUSTRIAL:

6.07 Medium scale Rice mills and Automobile service Centres only form major industrial units of the town. Even though the industrial growth of the town is not upto the expectation, the areas suggested in the approved Master had been reduced and however and to stimulate the activities to sustain anticipated working force, on the South western part of the town having an extend of 275 hectares of dry land are proposed for industrial use. Thereby industrial estates can be developed to stmlulate industrial activities of the town and thereby to provide employment for working force and to sustain the economic growth of the town.

EDUCATIONAL:

6.03 The present educational institutions will continue its service and cope up with the demand upto higher secondary level. Since there is no College in the Local Planning Area for higher education, the lands in the western side of the Sethubhavachatram road are earmarked as educational use.

PUBLIC AND SEMI-PUBLIC:

6.09 Existing Public and Semi-public units of Government Offices, medical institutions, Bus stand and Railway Station in the Revenue headquarters offices serve the needs of local urbanites and rural population in the vicinity.

AGRICULTURAL USE:

6.10 In revised Master Plan the Agricultural wet lands are preserved as Agricultural use in accordance with the policy of State Government. Master Plan proposals for expansion of residential, commercial, industrial and public uses are contemplated over the lands classified as Agricultural dry.

TRANSPORTATION:

6.11 Pattukottai Town enjoys the strategic position of transportation net work map of this region. So it provides economic uplift to the town, proportionate to its physical development.

RING ROADS:

6.12 The carriageway of major thoroughfares within the town centre become inadequate with increasing mass transportation and lorry traffic and is subjected to frequent bottlenecks and accidents. In order to ease the traffic and anticipated transportation volume, it is proposed.

1. To form ring roads 80' wide connecting Aranthangi Road with Sethubhavachatram road and Tharjavur road and Vadacheri road.
2. To form link roads
 - (a) to connect Vadacheri road with Madukkur road.
 - (b) to connect the road leading from Bus stand to Nadiamman Koil street with Sethubhavachatram road.

While proposing these roads, sufficient care is exercised not to have any additional level crossing/over-bridge across the railway line. The alignment of ring and link roads are shown in the proposed land use map appended to the report.

BUS STAND:

6.13 One existing Bus Stand with 25 bays constructed under I.D.S.M.T. scheme serves to the present population including the floating population. It can also serve to the future need for a decade.

TRUCK TERMINAL:

6.14 To and fro Lorry and Truck traffic handling agricultural produce and other commodities from this town is increasing day by day. At present the lorries parked on the kerbs of major thoroughfares and handle loading and unloading operations causing obstruction to regular traffics. With a view to regulate these truck traffic and to relieve the congestion on the main narrow roads it is proposed to develop a Modern truck Terminal with related facilities at the junction of Thajjavur road and the proposed ring road.

WATER SUPPLY AND DRAINAGE:

6.15 To augment the present water supply scheme, Municipal Administration have to construct additional overhead Tanks wherever necessary to cater the needs of the future population.

6.16 Since the town is subjected to cyclonic rains due to its proximity to coastal belt almost all streets are flooded to knee level due to poor storm water drainage arrangements. To alleviate this problem this local body proposed to construct open storm water drains. To maintain better sanitation for the town, the Municipality shall take up underground drainage system.

PHASING:

6.17 Phasing of plan implementation will secure orderly development of planning area and enable the execution of public projects in a priority basis, thus

CHAPTER - V.

ANALYSIS AND ASSESSMENT:

5.01 The previous Chapters have clearly indicated the existing trend of development with growth potentials and land utilizations which reveals the functions of the town. It also indicated the trend of growth of population. An attempt is made, in this Chapter, to analyse on the potentialities, needs and limitations within which they can be developed.

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1. Parabolic curve.	74,949	1,10,185
2. Geometric curve.	72,965	91,939
3. Arithmetical increase.	63,509	69,109
4. Incremental increase.	63,707	69,307

5.04 Among the population projections obtained through the statistical exercises, parabolic curve method provides the highest expected population of 1,10,185 persons in 2011. Directorate of Town and Country Planning, Madras has submitted a comprehensive document on urbanization for approval of Government of Tamil Nadu so as to decide the spatial dispersement of urban population in Tamil Nadu and its status with reference to its function. In this proposal, Pattukottai has been identified as municipal urban growth pole and assigned with a plan population of 1,00,000 in 2011. Accordingly Pattukottai Master Plan proposals are designed for a population of 1,00,000 in 2011.

5.05 On the assumption that there may not be any variation in the percentage of population in different age structures for the another two decades, projections are made and details are furnished in Table No.5.2 for different age-group of population.

TABLE No.5.2 : FUTURE AGE-GROUP POPULATION - PATTUKOTTAI TOWN.

Age Group.	2001	2011
0 - 14	28,500	38,000
15 - 19	6,000	8,000
20 - 24	5,625	7,500
25 - 29	6,750	9,000
30 - 39	11,250	15,000
40 - 49	7,500	10,000
50 - 59	5,625	7,500
60 and above.	3,750	5,000
	<u>75,000</u>	<u>1,00,000</u>

5.06 Newly 57,000 people between the age group of 15 and 59 constitute the expected working force of the town at 2011. However considering the factors such as the female population in the age group and their anticipated employment ratio, the population who may opt for higher education, and those already employed, it is estimated nearly 16,000 persons will have to be provided with jobs before 2011. Additional employment opportunities have to be created in the secondary sector where only percentage of employment is lower according to the present occupational structure.

