



# **SOIL ATLAS**

## **NAMAKKAL DISTRICT**



**SOIL SURVEY & LAND USE ORGANISATION**  
**(DEPARTMENT OF AGRICULTURE TAMIL NADU)**  
**COIMBATORE 641 013**

**1998**





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ஸீயாண்டி. எஸ். ஆறுமுகம்  
வேளாண்மைத் துறை அமைச்சர்



தலைமைச் செயலகம்  
சென்னை 600 009

அணிந்துரை

தமிழ்நாடு வேளாண்மைத் துறையில் உள்ள வேதியியல் பிரிவு தமிழக வேளாண் பெருங்குடி மண்ணின் தேவைகளை அறிந்து மண்வள தொகுப்பேடு ஒன்று தயாரித்து இருப்பது பாராட்டுக்குரிய செயலாகும்.

வேளாண்மைக்கு அடித்தளமாய் அமைவது நிலமும், நீரும் ஆகும். மண்ணின் வகைகளை அறிந்து அதன் வளத்தை தெரிந்து கொண்டு, அதற்கேற்ற பயிர் வகைகளை பயிர் செய்வதால் உற்பத்தி திறன் அதிகரிப்பதோடு, மண் வளமும் பாதுகாக்கப்படுகிறது. சங்க காலத்தில் மண்வளத்தை அறிந்து கொள்ள குறிஞ்சி, முல்லை, மருதம், நெய்தல் என நம் முன்னோர்களால் நிலப் பாகுபாடுகளை அறிந்து வைத்திருந்தார்கள். பிற்காலங்களில் மண்ணை, செம்மண் என்றும், கரிசல் மண் என்றும், வண்டல் மண் என்றும், மணற்பாங்கான மண் என்றும், மண்ணின் தன்மைக்கு ஏற்ப பிரித்து வைத்திருந்தார்கள். பண்டைய காலங்களில் மண் பாகுபாடு செய்வது தேவையற்ற ஒன்றாக கருதப்பட்டாலும், இன்றைய சூழ்நிலைக்கு மண் பாகுபாடு மிகவும் அவசியமாகிறது. வளர்ந்து வரும் மக்கள் தொகைக்கு ஏற்ப உணவு உற்பத்தியை பெருக்க மண் வரை தொகுப்பு வேளாண்மை ஆராய்ச்சியாளர்களுக்கும், விரிவாக்க அலுவலர்களுக்கும் மிகவும் பயன் உள்ளதாக இருக்கும் என நம்புகிறேன்.

இத்தொகுப்பினை வெளியிட ஈடுபட்ட அனைத்து அலுவலர்களுக்கும் எனது பாராட்டுக்களையும், வாழ்த்துக்களையும் தெரிவித்துக் கொள்கிறேன்.

அன்புடன்,

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29.4.23







ஹி. ஆதிமுலம், இ.ஆ.ஹி.  
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அணிந்துரை

மண்வளமும் மனித வளமும் ஒரு தாட்டிற்கு இன்றியமையாதன ஆகும். இன்னும் கொல்லப்போனால் நிலத்து மண் ஆனது மனிதச்சிந்தையின் பிரதிபலிப்பு ஆகும். ஏனெனில் அதுவே மனித நாகரீகத்தின் மாட்சியையும் விழிச்சிவையையும் எடுத்துரைப்பதாக இருந்து வந்துள்ளது. இதற்குச் சரித்திரச் சான்றுகளும் பல உண்டு. இப்படித்தான் பெருமை படைத்த மண்வளம் பற்றிய விவரங்களை நெறிப்படுத்தி அண்டியோர்க்குப் பயன் அளிக்கும் வகையில் அறமயச் செய்வது காலத்தின் கட்டாயமாகும். அதிலும் குறிப்பாக ஒன்பதாவது ஐந்தாண்டுத் திட்டத்தின் துவக்கத்திலேயே இப்பணி நடைபெறுவது சாவச்சிறந்தது ஆகும். ஏனெனில் இத்திட்டப் பெரு நோக்கங்களில் ஒன்றாக மண்வளம் சார்ந்த இனங்களை அடையாளம் காண்டு செயல்படுவது மிகவும் வலியுறுத்தப்பட்டுள்ளது.

எனவே, மாவட்ட வரையாக மண்வள ஆதாரங்களைத் தொகுக்கும் முயற்சி மேற்கொள்ளப்பட்டது. இப்பணி நான் வேளாண்மை இயக்குநராகப் பொறுப்பில் இருந்த காலத்தில் முடிக்கப்பட்டது. சமீபநாட்டில் அப்போதிருந்த 15 மாவட்டங்களுக்கும் தனித்தனியே மண்வளத் தொகுப்புகள் தயாரிக்கப்பட்டன. ஆயினும் அவை வரைவு நகல்களாகவே இருந்து வந்துள்ளன. அதனால் அதன் பயனை நுகர மிகச் சிலருக்கே வாய்ப்பு கிட்டியது.

இத்தொகுப்பேட்டில் விவரிக்கப்படும் விவரங்கள் சரியான திட்டமிடலுக்கு அடித்தளமாக அமைகின்றன. ஒரீடத்தில் நிலவும் தட்பவெப்ப நிலை, பாசன வளம், பயிர் சாகுபடி விவரங்கள், மண் வகைகள் அவற்றின் விளைதிறன், ஏற்புடைய பயிர்கள் பற்றிய விளக்கங்கள் இடம்பெற்றுள்ளன. ஆக இவற்றின் அடிப்படையில் அமுல்படுத்தப்படும் உற்பத்திப் பெருக்குத் திட்டங்கள் அபரிமித வெற்றி அளிப்பதில் ஆச்சரியமில்லை. உதாரணமாக அண்மையில் மணிகண்டம் ஒன்றியத்தில் நிறைவேற்றப்பட்ட வேளாண் வானியல் வளிமண்டலத் திட்டத்தினைச் சொல்லலாம். இத்திட்டத்தின் முன்னமயச் செயல் அம்சமாக இப்பகுதி நிலங்கள் நெறிப்படுத்தப்பட்டன. இத்தகைய அணுகுமுறையினால் களத்தினாலும் உடைய இப்பகுதி நிலங்களில் சீர்த்திருத்தம் மேற்கொண்டபின் மகசூலானது எக்டேருக்கு 400 சிலேர் முதல் 700 சிலேர் வரை உயர்ந்துள்ளது என்பது பெருமைக்குரியதாகும்.

மீக்க பயன் அளிக்கவல்ல இத்தொகுப்பேட்டு விவரங்களினை உற்பத்தி முனைவோர் அனைவரும் பெற்றிட இதனை அச்சிடும் பணிக் கு. ஸி. இலட்சம் அனுமதித்து தயிர்நாடு அரசு ஆணையிட்டுள்ளது. அதன் தொடர் திகழ்வாகவே ஏட்டளவில் இருந்த இத்தொகுப்பேடுகள் வண்ணமிசு வடிவிலும், விவரப்பொலிவுடனும் அச்சேறி ஒர்போது நற்பயன் அளிக்கும் நிலை பெற்றுள்ளன. வேளாண்மை இயக்குநராக அன்று நான் துவக்கிய பணி, செயலராகப் பொறுப்பேற்றுள்ள இந்நாளில் மலர்ந்து மிளர்வது குறித்து மட்டற்ற மகிழ்ச்சி அடைகிறேன். அத்துடன் இத்தொகுப்பேட்டுவிவரங்கள் மூண் திட்டமிடல், ஏறுமுக்கு திட்டம் போன்றவற்றிற்கும் ஆதாரமாய் அமைகின்றன. புதிய சாதனைகளைத் தொடுவோரை வளர்க்கும்,

வாரிப்பெருக்கி வளக்கட்டு உற்றவை  
ஆராய் வான் எனப் பெருமைப்படுத்துவார்.

அவர் கூற்றுப்படி ஆராய முனைவோர்க்கு முன்னோடியாகவும், முதலீடுபல் பின்புலமாகவும் இத்தொகுப்பேட்டு அமைந்துள்ளது என்பதில் பெரிதும் மகிழ்வடைகிறேன்.

இத்தொகுப்பேட்டு நன்கு வடிவமைக்கப்பட்டு, விவரங்கள் பயன்தரும் வகையில் தெளிவுப்படுத்தப்பட்டுள்ளமைக்குப் பொறுப்பான அனைவருக்கும் எனது பாராட்டுதலைத் தெரிவித்துக் கொள்கிறேன்.

(ஹி. நா. ஆதிமுலம்  
அரசு செயலர்  
வேளாண்மைத்துறை







டாக்டர். க. அருள்மொழி, இ.ஆ.ப.  
வேளாண்மை இயக்குநர்



சேப்பாக்கம்  
சென்னை 600 005

### அணிந்துரை

நில மடந்தை நமக்கு அளித்துள்ள இயற்கை வளங்களில் மிக முதன்மையானது மண்வளம் ஆகும். அத்துடன் தமிழர் வாழ்வியலில் மண்ணும் மனிதனும் பின்னிப் பிணைந்தே பேசப்படும். எனவே தான் மண்வகைகளைப் பற்றியும், அவற்றின் சாதக பாதகத் தன்மைகள் பற்றியும் சங்க கால இலக்கியங்கள் விரிவாகவே பேசுகின்றன. பிற்கால அறிவியல் முன்னேற்றம் காரணமாக ஆய்ந்தறிந்து பெறப்பட்ட உண்மைகளும் முந்தையனவைப் பெரிதும் ஒத்து இருந்தமை ஆனது பண்டைத் தமிழரின் அறிவியல் மேன்மையை எடுத்துக் கூறுவதாக அமைந்துள்ளது.

மண்வளங்களைப் பயன்படுத்துவது என்பது சமுதாயக் கட்டாயங்களினால் ஏற்பட்டதாகும். விரிந்து வரும் மக்கள் தொகை பெருகி வரும் உணவுத் தேவைகள் மற்றும் சுருபி வரும் சாகுபடிப் பரப்பு ஆகியவை இவற்றுள் அடங்கும். இந்த வகையில் பல மண்வகையீட்டு முயற்சிகள் தேசிய அளவிலும், மாநில அளவிலும் எடுக்கப்பட்டுவந்துள்ளன. அந்நாட்களில் சென்னை இராஜதானியில் நடத்தப்பட்ட மண்வகையீட்டுமுயற்சி இதன் துவக்கம் எனலாம். இதுவும் பின்னர் நடத்தப்பட்ட திட்டங்களும், குறிப்பிட்ட நோக்கத்திற்காகவே அமல் செய்யப்பட்டன. இதன் உச்சக்கட்டமாக 1960 ம் ஆண்டில் தரமான மண்வகையீட்டுத் திட்டம் ஒன்று மண்வகைகளின் தன்மைகளை விரிவாகவும் விளக்கமாகவும் கூர்ந்தாய்வு செய்திட அறிமுகம் செய்யப்பட்டது.

தமிழ்நாட்டு மண்வள ஆதாரங்களை விளக்கும் வரைபடங்கள் தயாரிக்கும் பணியில் வேளாண் துறையின் வகையீட்டுஅவகைகள் பணிக்கப்பட்டன. இவைகள் நடத்திய துவக்க மண்வகையீட்டு மூலம் பெறப்பட்ட மண்வள ஆதார விவரங்கள் மாவட்ட வாரியாகத் தொகுக்கப்பட்டன. இவை மாவட்ட வளர்ச்சிக்கான திட்டமிடலுக்கு உதவுகரமாக அமைந்துள்ளன. எனினும் வெறும் வரைவு ஏடுகளாகவே இருந்து வந்த இத்தொகுப்பேடுகளை அனைவரும் பெற்றிடும் வகையில் அச்சுப் பதித்து வெளியிட தமிழ்நாடு அரசு ரூ. 10.5 இலட்சம் நிதி அனுமதித்துள்ளது. இந்த இனிய துவக்கமாகவே மாவட்ட மண்வளத் தொகுப்பேடுகள் தற்சமயம் வெளியிடப்பட்டுள்ளன. இத்தொகுப்பேடுகளில் உணவு உற்பத்திக்கான ஊக்க முயற்சிகளுக்கு போதுமான நிலம் மற்றும் அதனைச் சார்ந்த அனைத்து விவரங்களும் இடம் பெற்றுள்ளன. நீர்ப்பாசனம், தட்பவெப்பச்சூழல், பயிர் வகைகள் விளைதிறன் ஆகிய விவரங்களின் அடிப்படையில் கிராம அளவிலான நுண் திட்டமிடல், ஏறுமுக வளர்ச்சித்திட்டம், பஸ்துறை பங்கேற்புத் திட்டம் போன்ற முயற்சிகள் அமல் செய்யப்படுவதற்கான இடங்களை அடையாளம் காண இத்தொகுப்பேடு பெரிதும் உதவும்.

பெரும்பயன் தரவல்ல இத்தொகுப்பேட்டினை உருவாக்கி, தொகுத்து வடிவமைத்து வெளியிட உதவிய அனைவர்க்கும் எனது பாராட்டுதல்களை மகிழ்ச்சியுடன் தெரிவித்துக் கொள்கிறேன்.

(ஒ.ப.) க. அருள்மொழி  
வேளாண்மை இயக்குநர்





# NAMAKKAL

## CONTENTS

## Page.

1. About the Soil Atlas	1
2. Location	2
3. Taluks & panchayat unions	4
4. Roads and railways	6
5. Geology	8
6. Physiography	10
7. Drainage and river basins	12
8. Rainfall	14
9. Temperature	16
10. Ombrothermic data	18
11. Land use pattern	20
12. Forests	22
13. Crop area	24
14. Cropping calendar	26
15. Sources of irrigation	28
16. Agricultural Institutions	30
17. Agro Industries	32
18. Animal Husbandry Institutions	34
19. Soils	36
20. Irugur series	38
21. Tulukkanur series	40
22. Pilamedu series	42
23. Somayyanur series	44
24. Upparapatti series	46
25. Pallipalayam series	48



## CONTENTS

## Page

26. Mallasamudram series	50
27. Chittalandur series	52
28. Pichanur series	54
29. Palladam series	56
30. Palathurai series	58
31. Vellalur series	60
32. Land capability	62
33. Land irrigability	64
34. Soil productivity	66
35. Crops grown	68
36. Soil colour	70
37. Depth	72
38. Texture	74
39. Permeability	76
40. Water holding capacity	78
41. Erosion	80
42. Calcareousness	82
43. Salinity	84
44. Soil reaction	86
45. Cation exchange capacity	88
46. Namakkal taluk	90-103
47. Paramathi taluk	104-117
48. Rasipuram taluk	118-131
49. Tiruchengode taluk	132-147

## ABOUT THE SOIL ATLAS

Agriculture play a vital role in the Indian economy and provides occupation to about 75% of the population which in turn depends on several inputs applied on soil. As such soil forms the basic non renewable natural resource, its health and land productivity on a sustained basis have to be maintained for sound production system. All inputs in the production systems can be functional only when there is soil / land which is qualitatively suitable for such purpose.

In this context, soil survey forms the basic tool for agricultural development programmes and provides information on characteristics and location of the different kinds of soils and their management potentials as well as their limitation for different purposes. Keeping this in view a data base on soils of the district have been developed through reconnaissance soil survey and this is useful for planning at regional level.

In the Atlas, all the information pertinent to the socio economic condition of the district is provided briefly. Soil characteristics and their interpretations are subsequently presented at district level in small scale. For better understanding soil information and their interpretations are also given at taluk level. Further, dominant kind of soil at village level and their fertility status have been provided for developing optimum fertility management programmes.

As soil is highly heterogeneous in nature, differences in soil can occur within short distances and therefore it is needless to say that detailed soil surveys at higher intensity are necessary for micro level development programmes.

## LOCATION

Namakkal district is an inland district bounded by Salem district on the north, Karur district on the south, Trichirappalli district on the east and Erode district on the west. It has a total area of 3,49,671 hectares. It lies in between  $11^{\circ}0'$  and  $12^{\circ}0'$  north latitude and  $77^{\circ}40'$  and  $78^{\circ}5'$  east longitude. It is divided into 4 taluks. They are Namakkal, Tiruchengode, Rasipuram and Paramathi.

### Agro Ecological Region

Eastern ghats (TN uplands) and Deccan plateau; hot semi arid ecoregion with red loamy soils.





# LOCATION MAP NAMAKKAL DISTRICT

## INDIA



TAMILNADU

## TAMIL NADU



ANDHRA

KARNATAKA

BAY OF BENGAL

KERALA

PALKBAY

GULF OF MANNAR

INDIAN OCEAN



SALEM

SALEM

NAMAKKAL

ERODE

TIRUCHIRAPPALLI

KARUR

## TALUKS & PANCHAYAT UNIONS

The district comprises of 4 taluks and fifteen panchayat unions and are distributed as below.

S.No.	Taluk	Panchayat union
1.	Namakkal	1. Erumaipatti 2. Kollimalai 3. Mohanur 4. Namakkal 5. Pudukchathiram 6. Shendamangalam
2.	Paramathi	1. Kabilarmalai 2. Paramathi
3.	Rasipuram	1. Namagiripettai 2. Rasipuram 3. Vennandur
4.	Tiruchengode	1. Elachipalayam 2. Mallasamudram 3. Pallipalayam 4. Tiruchengode



# TALUKS & PANCHAYAT UNIONS NAMAKKAL DISTRICT



### REFERENCE

- District boundary
- Taluk boundary
- Rivers & Gully

### LEGEND

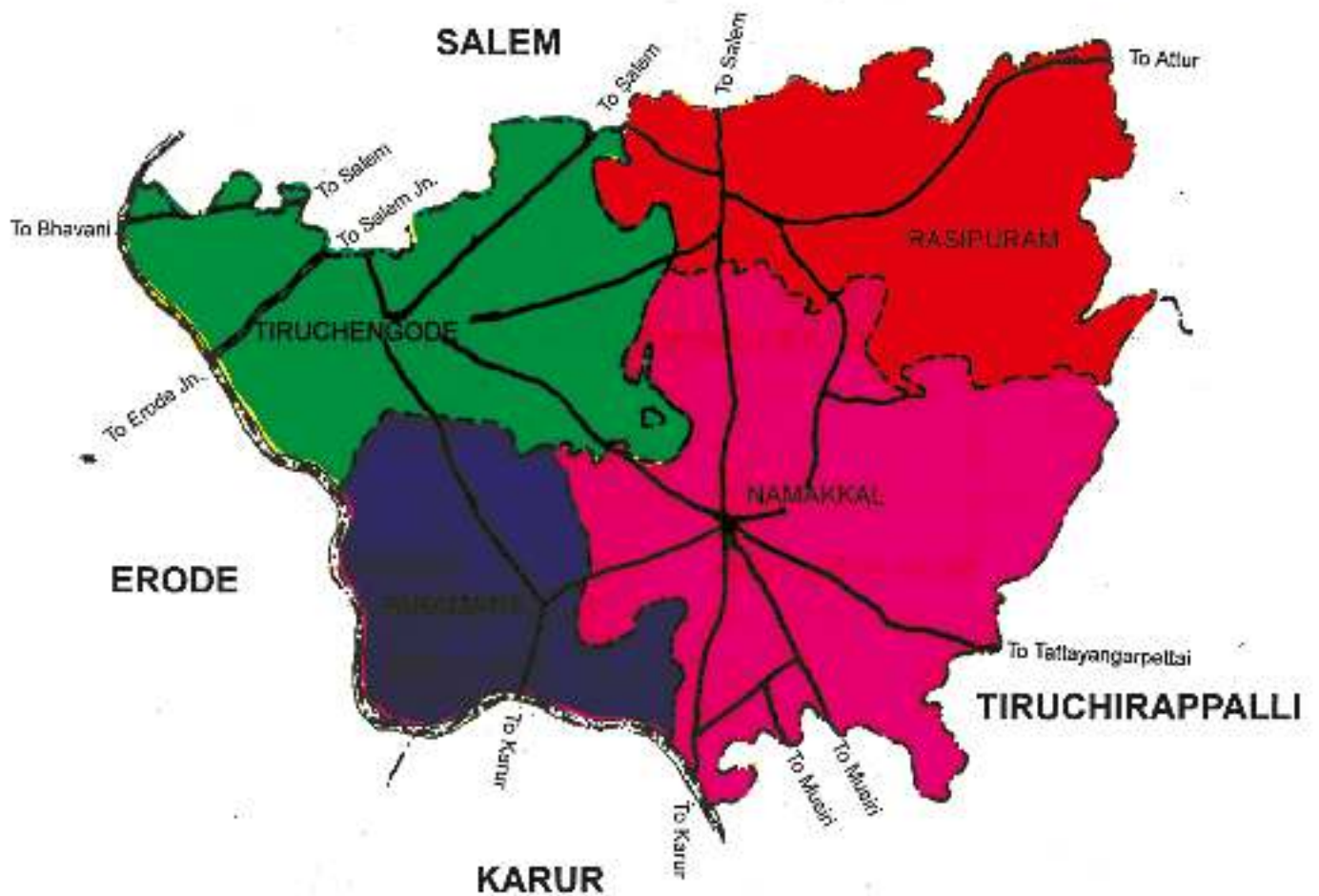
- PANCHAYAT UNION HEAD QUARTERS
- TALUK






## **ROADS & RAILWAYS**

Namakkal district is connected with broad gauge railways passing through Tiruchengode Taluk. The National High way NH 7 passes through Rasipuram and Namakkal taluks.



# ROADS & RAILWAYS NAMAKKAL DISTRICT



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

## LEGEND

-  ROADS
-  RAILWAY LINE (BROAD GAUGE)

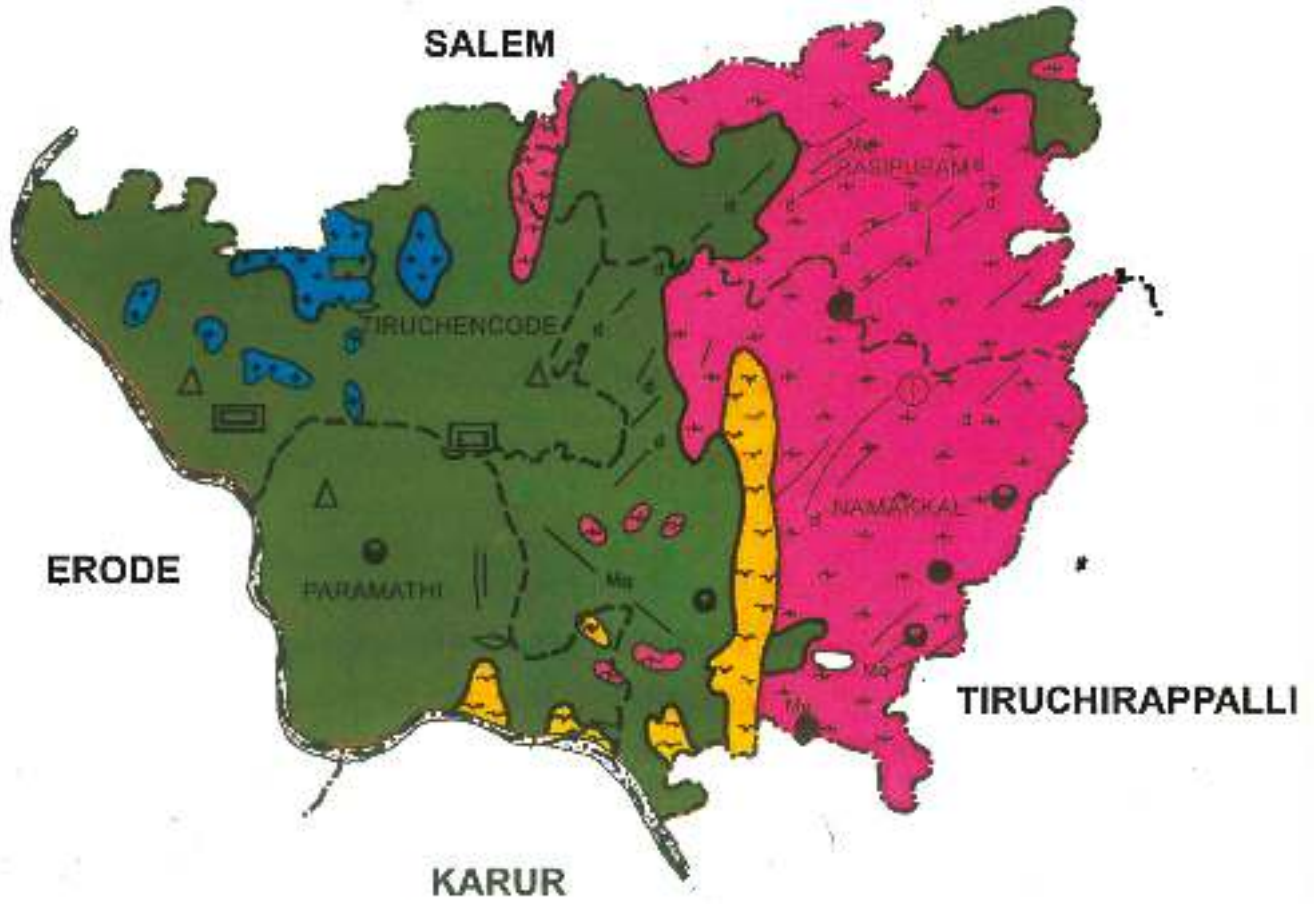
## GEOLOGY

The geological formations of the district with predominant minerals found are tabulated below.

S.No.	Name of the Taluk	Predominant Minerals
1.	Namakkal Paramathi	Charnockite, Iron ore, Magnesite, Magnetite, Limestone Dolomite.
2.	Rasipuram	Charnockite, Denterite, Iron ore.
3.	Tiruchengode.	Granite, Pyrite, Chromite, Feldspar, Lime stone


















# GEOLOGY NAMAKKAL DISTRICT



### REFERENCE

- District boundary
- Taluk boundary
- Rivers & Gully

### LEGEND

- |   |                       |   |           |
|---|-----------------------|---|-----------|
|  | ALLUVIUM              |  | BERYL     |
|  | CHARNOCKITE           |  | CHROMITE  |
|  | GRANITE AND SYENITE   |  | CORUNDUM  |
|  | UNCLASSIFIED GNEISSES |  | FELSPAR   |
|  | MAGNETITE - QUARTZITE |  | IRON ORE  |
|  | DOLARITE              |  | LIMESTONE |
|  | DUNITE, PERIDOTITE    |  | MAGNESITE |
|  | BAUXITE               |   |           |

## PHYSIOGRAPHY

The district is generally a plain area with slightly undulating plains.

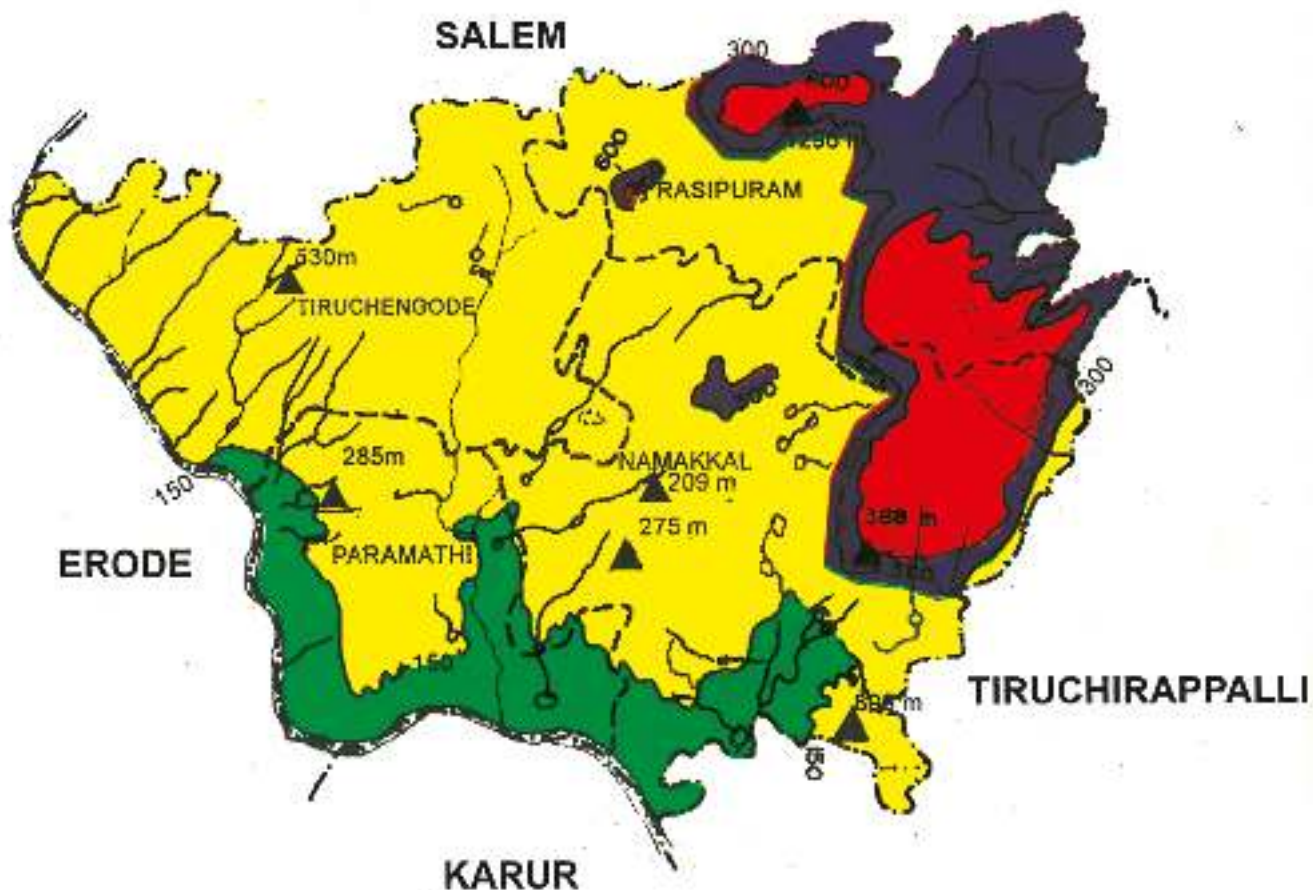
Bodomalai hills occupy the northern portion in 3 sets of hills namely Jeruga Thénmalai, Siddhamalai and Palamalai.

The plain area of the district can be divided into 3 elevating stages. The lower elevation below 150m has Namakkal and Paramathi taluks which are being benefited by Cauvery river. The mid elevation of 150 - 300 m above M.S.L. occupies the major area in all taluks. The highly elevated plain area lying between 300 - 600 m is spread over mainly in Rasipuram and Namakkal taluks.

The Cauvery river flows along the western and southern boundaries of the district at an elevation of 150m. Its tributaries are Sarabanga and Thirumanimuthar. Thus, Cauvery benefits Kabilarmalai and Mohanur blocks.



# PHYSIOGRAPHY NAMAKKAL DISTRICT



### REFERENCE

- District boundary
- Taluk boundary
- Rivers & Gully

### LEGEND

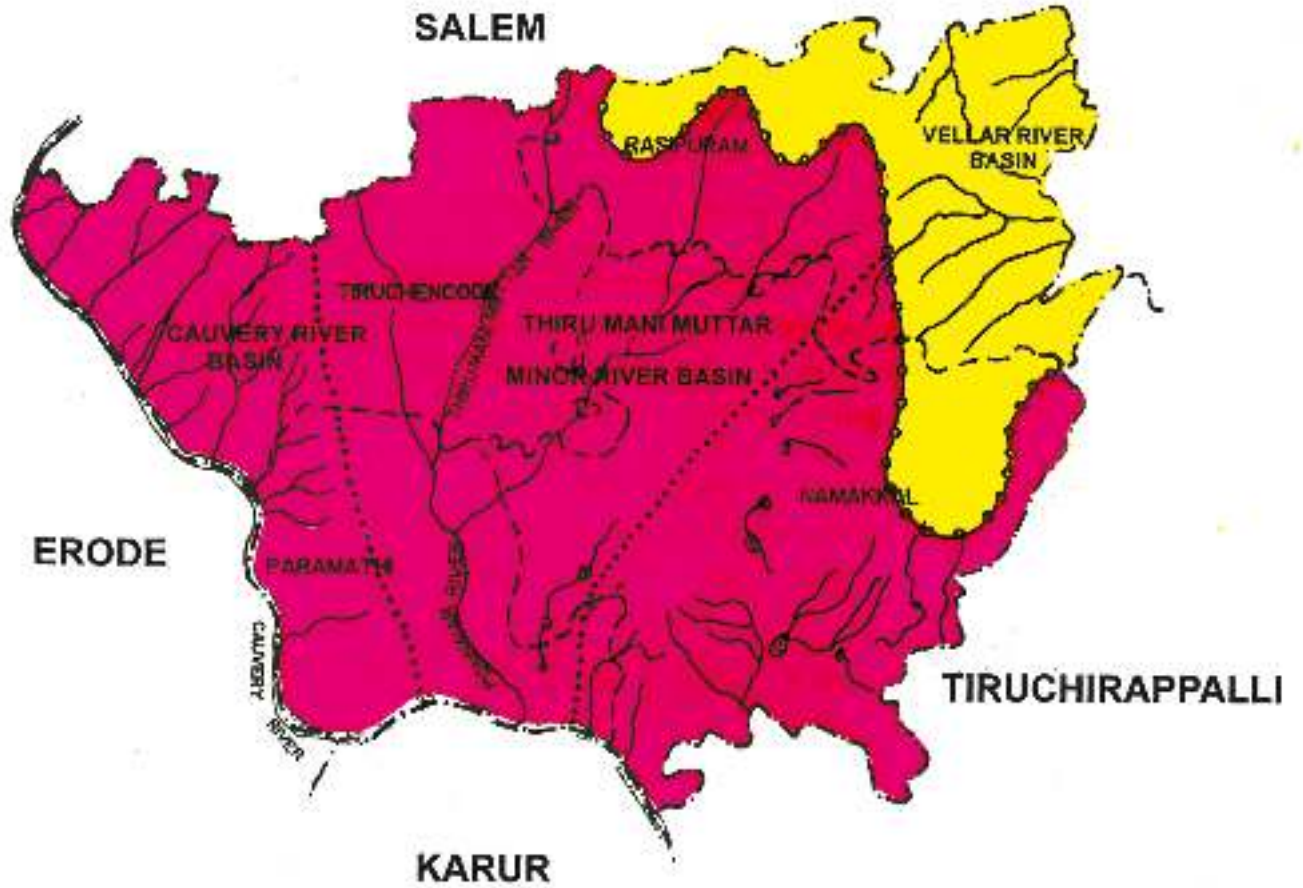
- 0 - 150 Metres
- 150 - 300 Metres
- 300 - 600 Metres
- 600 - Above






## DRAINAGE AND RIVER BASINS

<b>River basin</b>	<b>Place of origin</b>	<b>Places passing through</b>	<b>Drainage</b>
Cauvery basin	Karnataka	Western part of Velur & Mohanur	Towards Cauvery in Karur district




# DRAINAGE & RIVER BASINS NAMAKKAL DISTRICT



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

## LEGEND

- MAIN RIVER BASIN 
- DRAINAGE COURSE 
- MINOR RIVER BASIN 

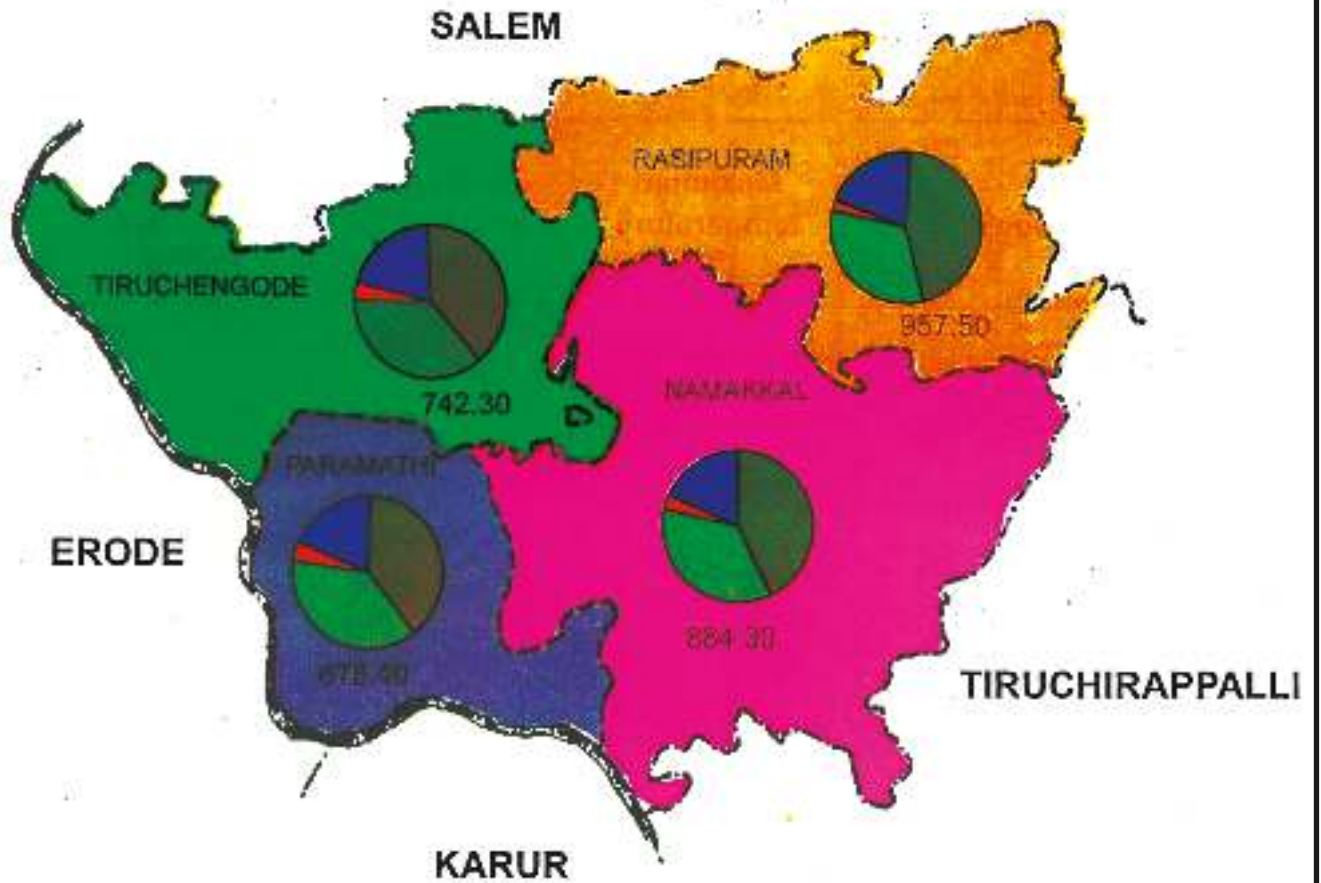
## RAINFALL

S.No.	Taluk	Mean annual rainfall in mm	South west monsoon Jun - Sep		North east monsoon Oct - Dec		Winter Jan - Feb		Summer Mar - May	
			mm	%	mm	%	mm	%	mm	%
1.	Namakkal	884.3	389.1	44.0	303.4	34.3	24.2	2.7	167.6	19.0
2.	Paramathi	678.4	265.0	39.1	257.4	37.9	18.1	2.7	137.9	20.3
3.	Rasipuram	957.5	443.5	46.3	297.2	31.0	18.9	2.0	197.9	20.7
4.	Tiruchengode	742.3	284.6	38.3	277.6	37.4	21.2	2.9	158.9	21.4
Mean for the district		815.6	345.5	42.4	283.9	34.8	20.6	2.5	165.6	20.3





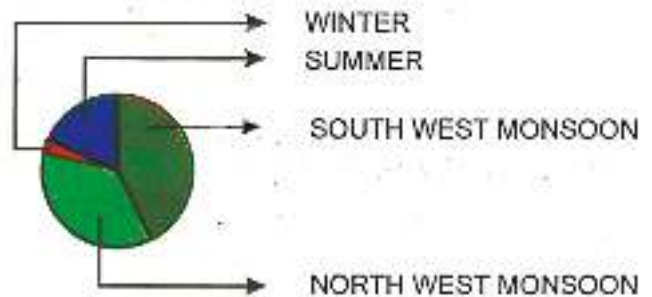
# RAINFALL NAMAKKAL DISTRICT



### REFERENCE

- District boundary
- Taluk boundary
- Rivers & Gully

### LEGEND



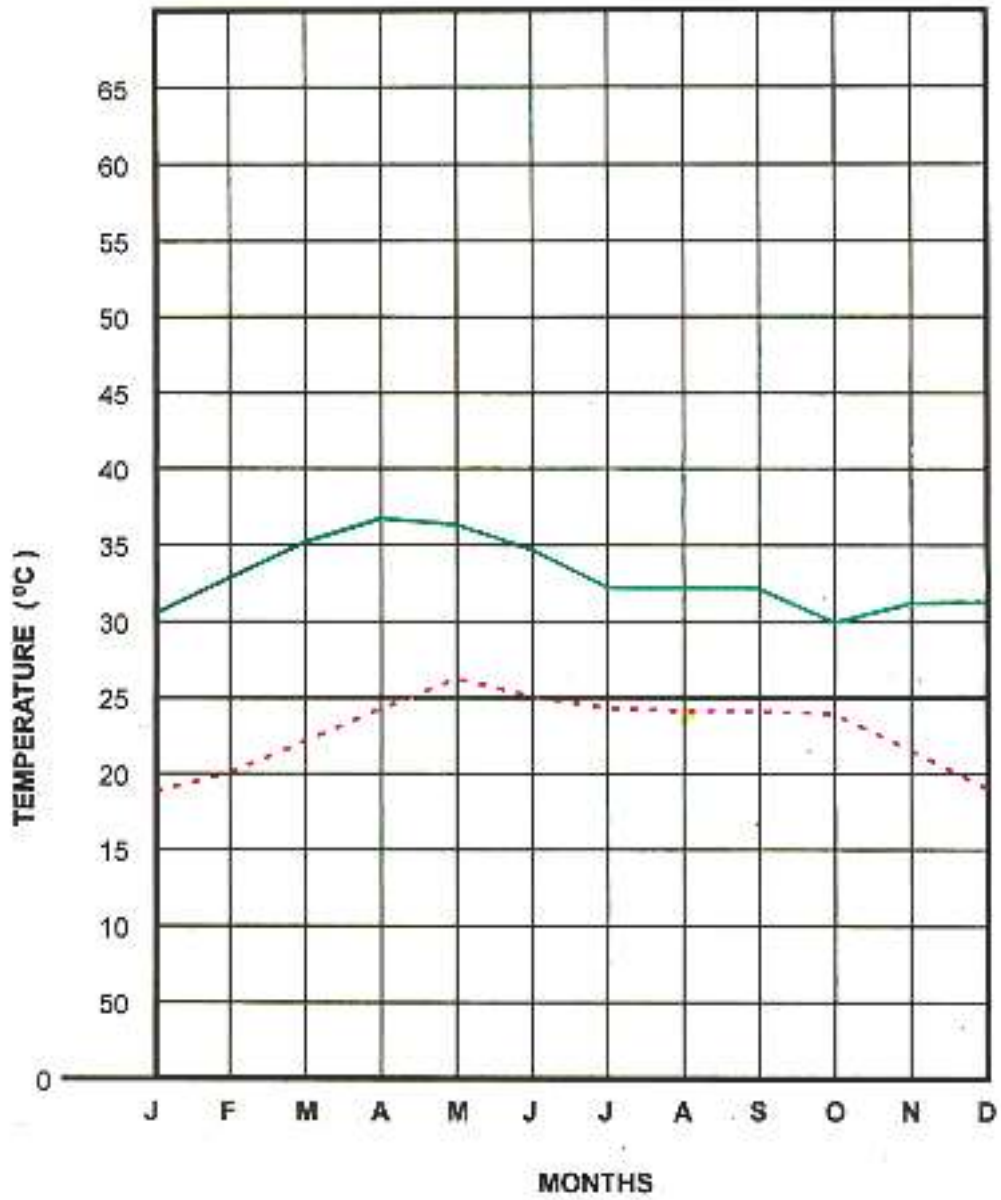
## TEMPERATURE

The mean annual temperature of Namakkal district is 27.88°C. Data on atmospheric temperature (°C) is given below

Month	Maximum temperature (°C)	Minimum temperature (°C)	Mean temperature (°C)
January	30.8	18.6	24.7
February	32.3	20.1	26.1
March	35.1	20.9	28.0
April	37.2	24.2	30.7
May	36.6	26.4	31.5
June	34.8	25.2	30.0
July	32.0	24.4	28.2
August	32.0	24.0	28.0
September	31.8	24.2	28.0
October	30.1	24.3	27.2
November	31.6	21.4	26.2
December	31.4	19.6	25.5
Mean	32.98	22.78	27.88

# TEMPERATURE

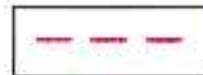
## NAMAKKAL DISTRICT



MAXIMUM



MINIMUM





## OMBROTHERMIC DATA

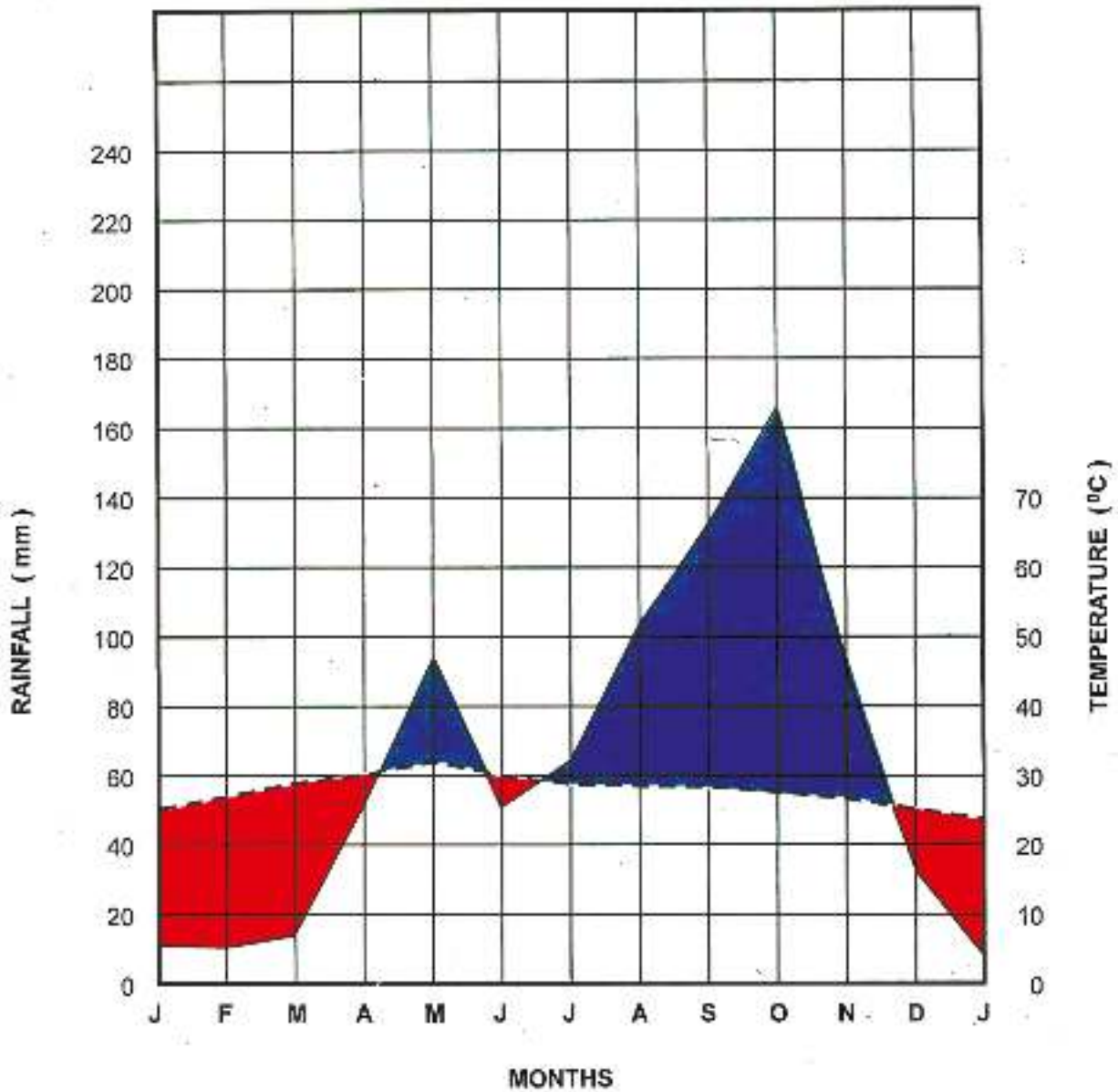
Month	Mean annual rainfall mm	Mean annual temperature (°C)
January	10.3	24.7
February	10.3	26.1
March	17.0	28.0
April	53.0	30.7
May	95.6	31.5
June	49.7	30.0
July	62.5	28.2
August	103.8	28.0
September	129.5	28.0
October	161.2	27.2
November	89.2	26.2
December	33.5	25.5
Mean	815.6	27.8

67.9

The Ombrothermic diagram prepared from rainfall and temperature indicates 5 months of wet period in 2 spells, and 7 months of dry period in a year.

# OMBROTHERMIC DIAGRAM

## NAMAKKAL DISTRICT



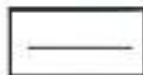
WET MONTHS



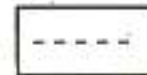
DRY MONTHS



RAINFALL (mm)



TEMPERATURE (°C)

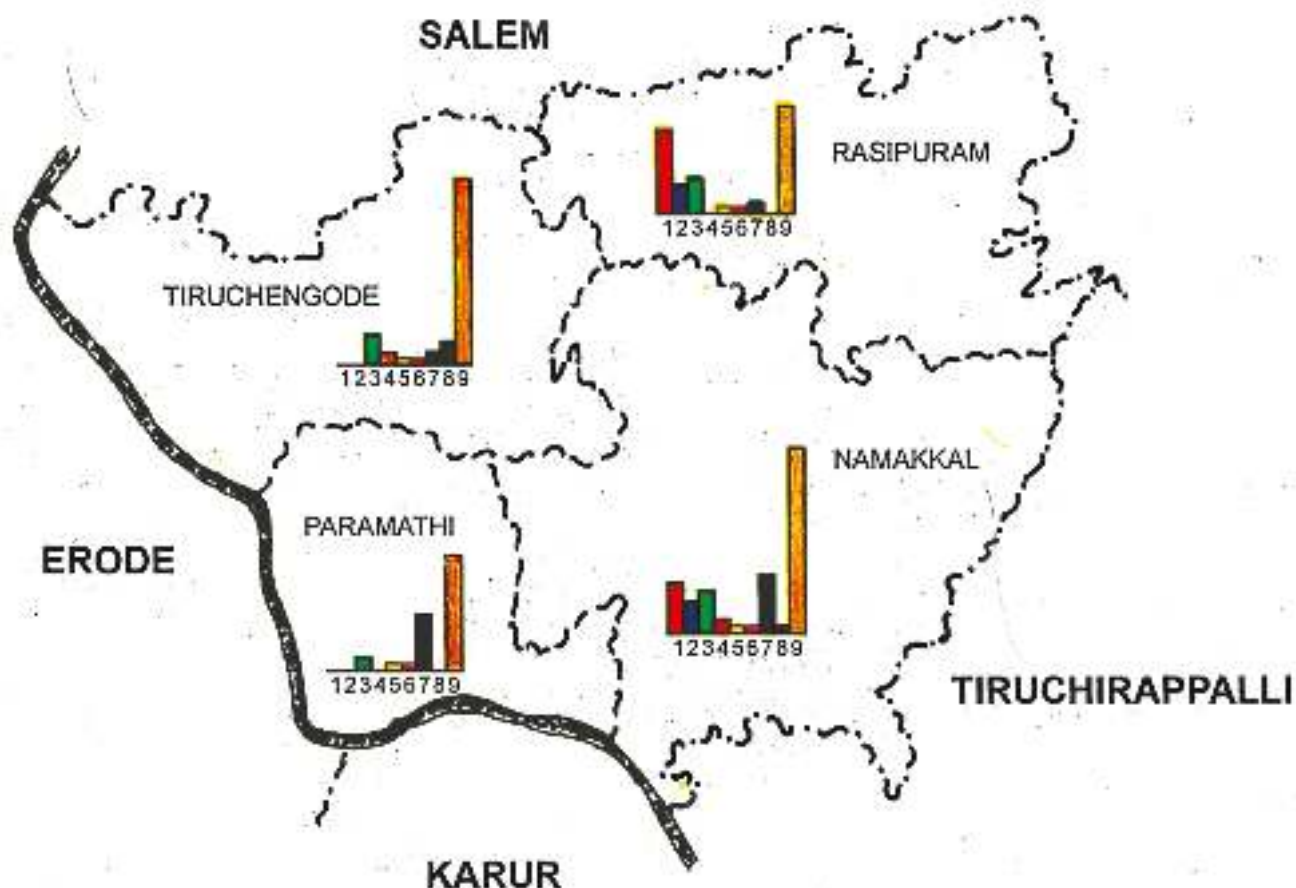


## LAND USE PATTERN

S.No.	Land use		Namakkal	Paramathi	Rasipuram	Tiruchengode	Total
	Total geographical area	ha %	1,31,123 (100)	52,384 (100)	81,748 (100)	84,416 (100)	3,49,671 (100)
1.	Forest Land	ha %	15,510 (11.8)	— —	30,093 (36.8)	— —	45,603 (13.0)
2.	Barren and uncultivable land	ha %	6,976 (5.3)	671 (1.2)	5,256 (6.4)	925 (1.1)	13,828 (4.0)
3.	Uncultivable land under non agricultural use	ha %	11,676 (8.9)	4,101 (7.8)	5,719 (7.0)	8,954 (10.6)	30,450 (8.7)
4.	Cultivable waste	ha %	3,640 (2.8)	225 (0.4)	1,474 (1.8)	1,195 (1.4)	6,534 (1.9)
5.	Pasture land	ha %	1,042 (0.8)	16 (0.13)	1,418 (1.8)	402 (0.5)	2,878 (0.8)
6.	Land under miscellaneous treecrops grown not included in the net area sown	ha %	321 (0.2)	15 (0.1)	1,640 (2.0)	62 (0.1)	2,038 (0.6)
7.	Current fallows	ha %	18,874 (14.4)	13,138 (25.1)	3,029 (3.7)	3,098 (3.7)	38,139 (10.9)
8.	Fallow land other than current fallows	ha %	2,477 (1.9)	477 (0.9)	797 (1.0)	4,056 (4.8)	7,807 (2.2)
9.	Net area sown	ha %	70,607 (53.9)	33,741 (64.4)	32,322 (39.5)	65,724 (77.8)	2,02,394 (57.9)

Source : Assistant director of statistics, Salem.

# LAND USE PATTERN NAMAKKAL DISTRICT



## REFERENCE

District boundary	-----
Taluk boundary	.....
Rivers & Gully	

## LEGEND

1 FOREST LAND	6 MISCELLANEOUS TREES AND GROVES
2 BARREN UNCULTIVABLE LAND	7 CURRENT FALLOWS
3 UNCULTIVABLE LAND NON AGRICULTURE USE	8 FALLOW LAND OTHER CURRENT FALLOWS
4 CULTIVABLE WASTE	9 NET AREA SOWN
5 PASTURE LAND	



## FORESTS




45603ha of land which accounts for 13.04% of total geographical area of the district is occupied by forests.

Taluk	Area	
	ha	%
1. Namakkal	15,510	34.01
2. Paramathi	—	—
3. Rasipuram	30,093	65.99
4. Trichengode	—	—
Total	45,603	100.00

# FOREST NAMAKKAL DISTRICT



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

## LEGEND

TROPICAL THORNY & DRY DECIDUOUS FOREST 

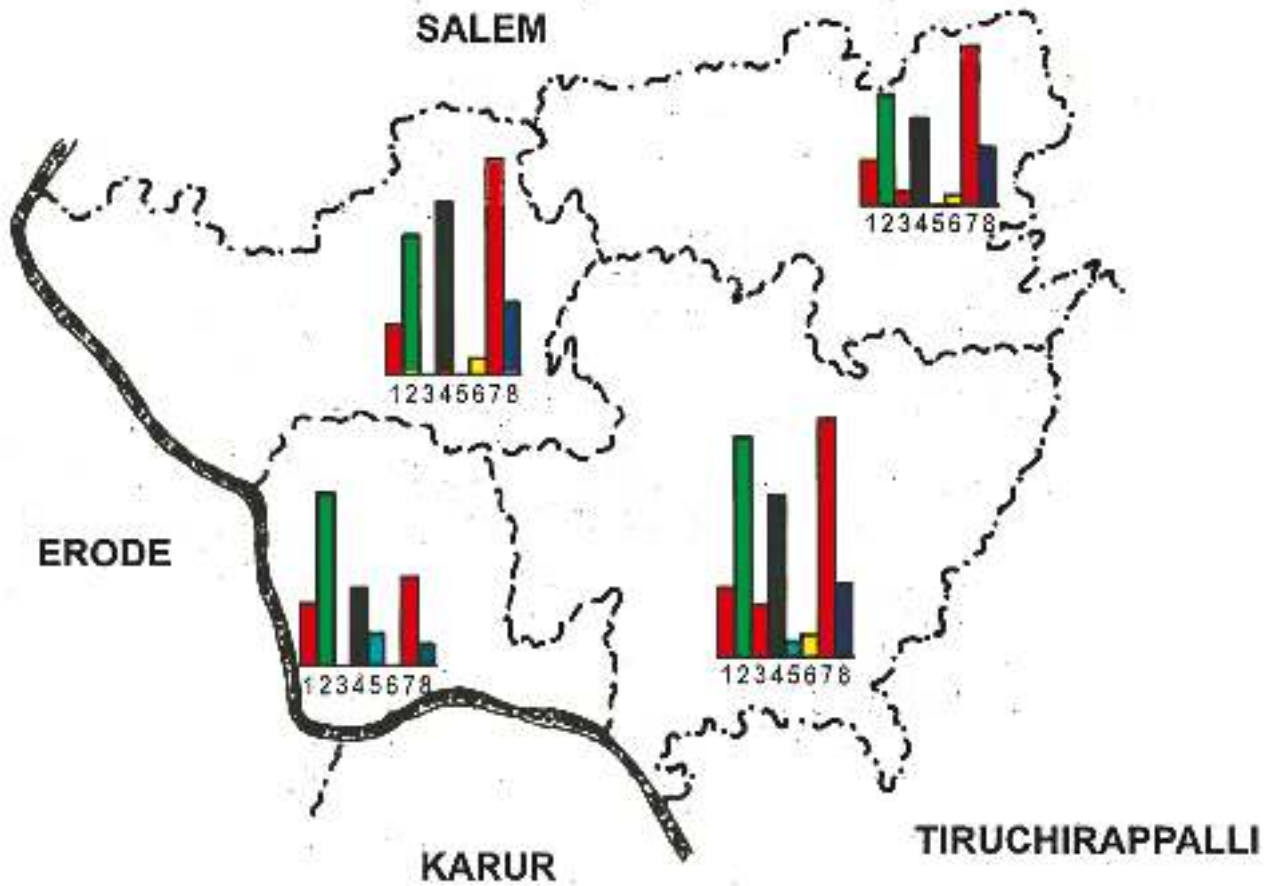
**CROP AREA**

(in hectares)

S.No.	Name of the crop	Namakkal	Paramathi	Rasipuram	Thiruchengode	Total
1.	Paddy	7,079	5,928	4,549	5,320	22,876
2.	Cholam	23,084	16,934	11,640	14,140	65,798
3.	Other millets	5,338	117	981	520	6,956
4.	Pulses	16,955	8,066	8,796	17,248	51,065
5.	Sugarcane	612	3,142	200	720	4,674
6.	Cotton	1,975	537	813	552	3,877
7.	Groundnut	24,246	9,188	16,651	31,806	81,891
8.	Others	6,813	2,118	5,930	6,929	21,790
	Total	86,102	46,030	49,560	77,235	2,58,927



# CROP AREA NAMAKKAL DISTRICT



## REFERENCE

- District boundary
- Taluk boundary
- Rivers & Gully

## LEGEND

- |                 |             |
|-----------------|-------------|
| 1 PADDY         | 5 SUGARCANE |
| 2 CHOLAM        | 6 COTTON    |
| 3 OTHER MILLETS | 7 GROUNDNUT |
| 4 PULSES        | 8 OTHERS    |

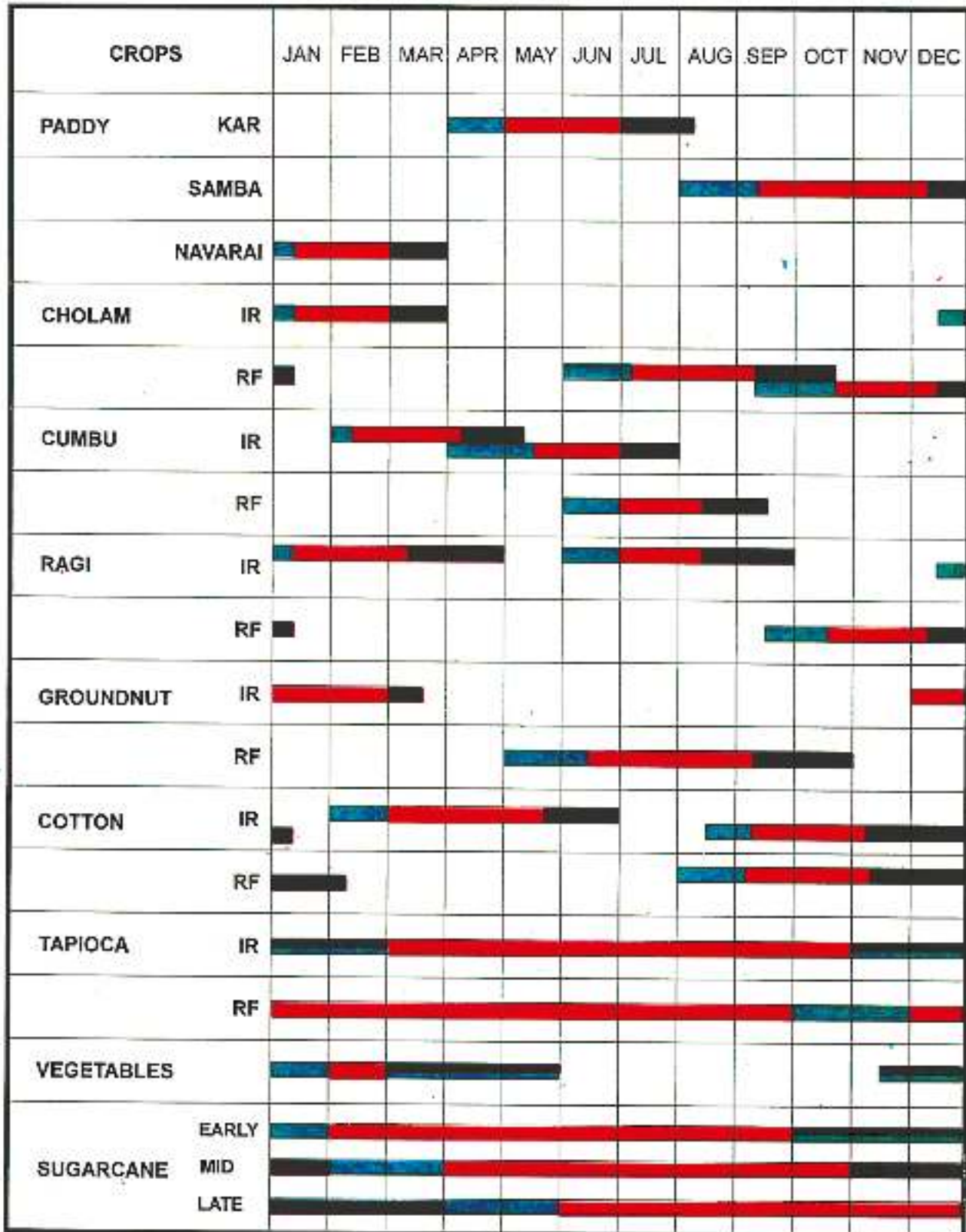


## CROPPING CALENDER

S.No.	Namakkal	Paramathi	Rasipuram	Tiruchengode
<b>A. IRRIGATED</b>				
1.	Paddy Groundnut Cotton	Paddy Sugarcane	Paddy Tapioca	Paddy Cotton
2.	Paddy Groundnut Onion	Banana	Sugarcane Onion	Paddy Groundnut
3.	—	—	Paddy Cotton	—
4.	—	—	Cotton Onion	—
<b>B. RAINFED</b>				
1.	Groundnut Cholam	Groundnut Cholam (or) Pulses	Groundnut Cholam	Groundnut Cholam (or) Pulses
2.	Groundnut Pulses	—	Cholam Pulses	—
3.	Tapioca	—	Tapioca Cholam	—
4.	Samai (or) Tenai	—	—	—

# CROPPING CALENDAR

## NAMAKKAL DISTRICT



SOWING STAGE
  VEGETATIVE STAGE
  HARVEST STAGE

IR - IRRIGATED

RF - RAINFED

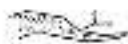
## SOURCES OF IRRIGATION

Name of Taluk	Tanks	Canals	Wells
1. Namakkal	124	1	49,712
2. Paramathi	17	2	12,655
3. Rasipuram	54	34	28,410
4. Tiruchengode	72	9	14,666
Total	267	46	1,05,446

# SOURCES OF IRRIGATION NAMAKKAL DISTRICT



## REFERENCE

- District boundary    - - - - -
- Taluk boundary       - - - - -
- Rivers & Gully       

## LEGEND

-  WELL
-  TANK
-  CANALL



## AGRICULTURAL INSTITUTIONS

Sl. No.	Institutions	Namakal	Paramathi	Rasipuram	Tiruchengode	Total
1.	Seed Processing Unit	1	—	—	—	1
2.	State Seed Farm	—	—	—	—	—
3.	Coconut Nursery	—	—	—	—	—
4.	Regulated Market	1	—	2	1	4
5.	Farmer's Training Centre	—	—	—	—	—
6.	Agricultural Extension Centre	4	3	3	4	14
7.	Bio Control Laboratory	1	—	—	—	1
8.	Parasite Breeding Station	—	2	—	—	2
Total		7	5	5	5	22

# AGRICULTURAL INSTITUTIONS NAMAKKAL DISTRICT



## REFERENCE

- District boundary -----
- Taluk boundary - - - - -
- Rivers & Gully

## LEGEND

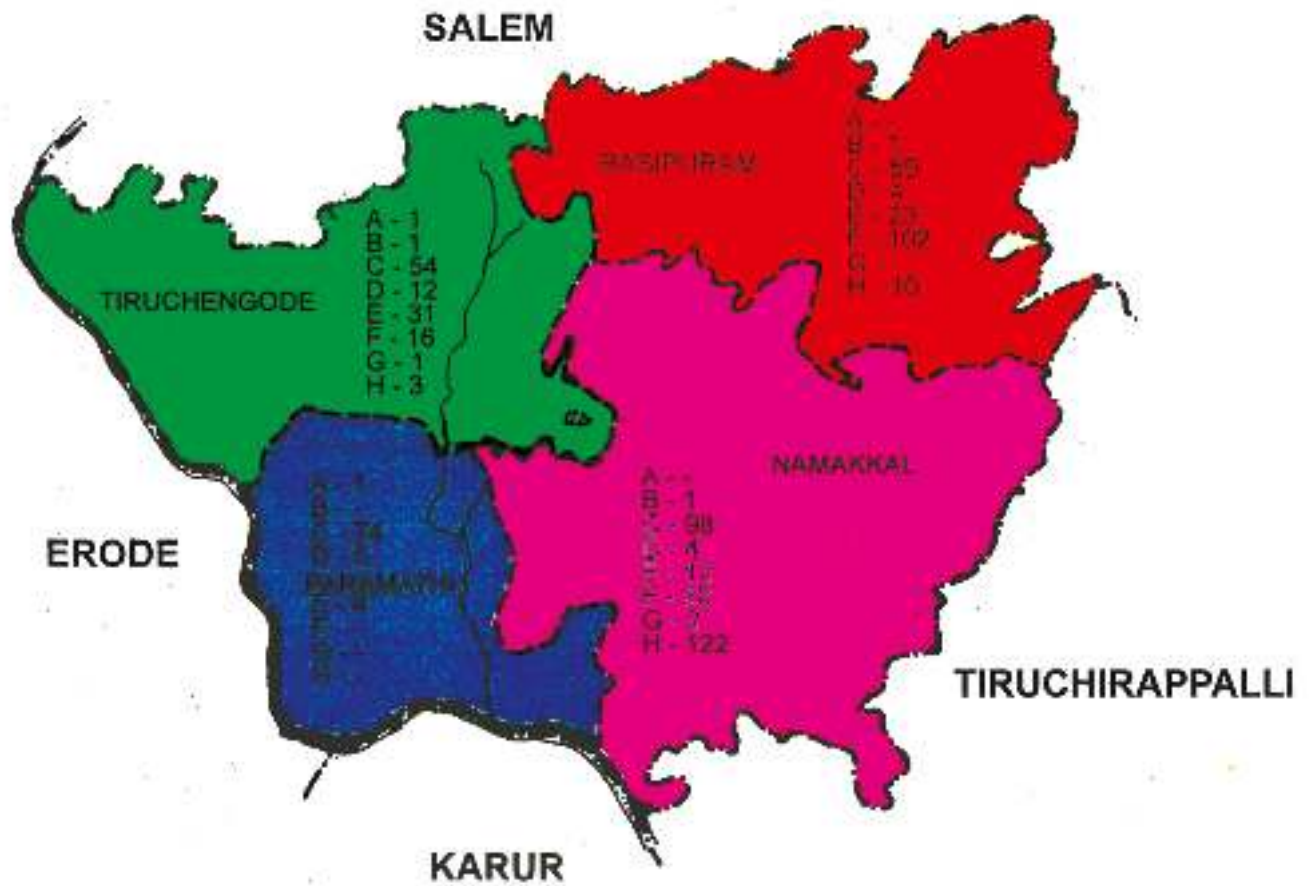
- REGULATED MARKET
- SEED PROCESSING
- KRISHIVIGYAN KENDRA
- RESEARCH STATION
- STATE SEED FARM

## AGRO INDUSTRIES

Sl. No.	Agro Industry	Namakkal	Paramathi	Rasipuram	Tiruchengode	Total
1.	Sugar mills	—	1	—	1	2
2.	Cotton ginning mills	1	—	1	1	3
3.	Rice mills	98	74	59	54	285
4.	Spinning mills	4	5	4	12	25
5.	Oil centres	12	4	23	31	70
6.	Sago factory	22	—	102	16	140
7.	Coir factory	2	—	—	1	3
8.	Poultry feed factory	122	—	10	3	135
	Total	261	84	199	119	663



# AGRO INDUSTRIES NAMAKKAL DISTRICT



### REFERENCE

- District boundary -----
- Taluk boundary - - - - -
- Rivers & Gully

### LEGEND

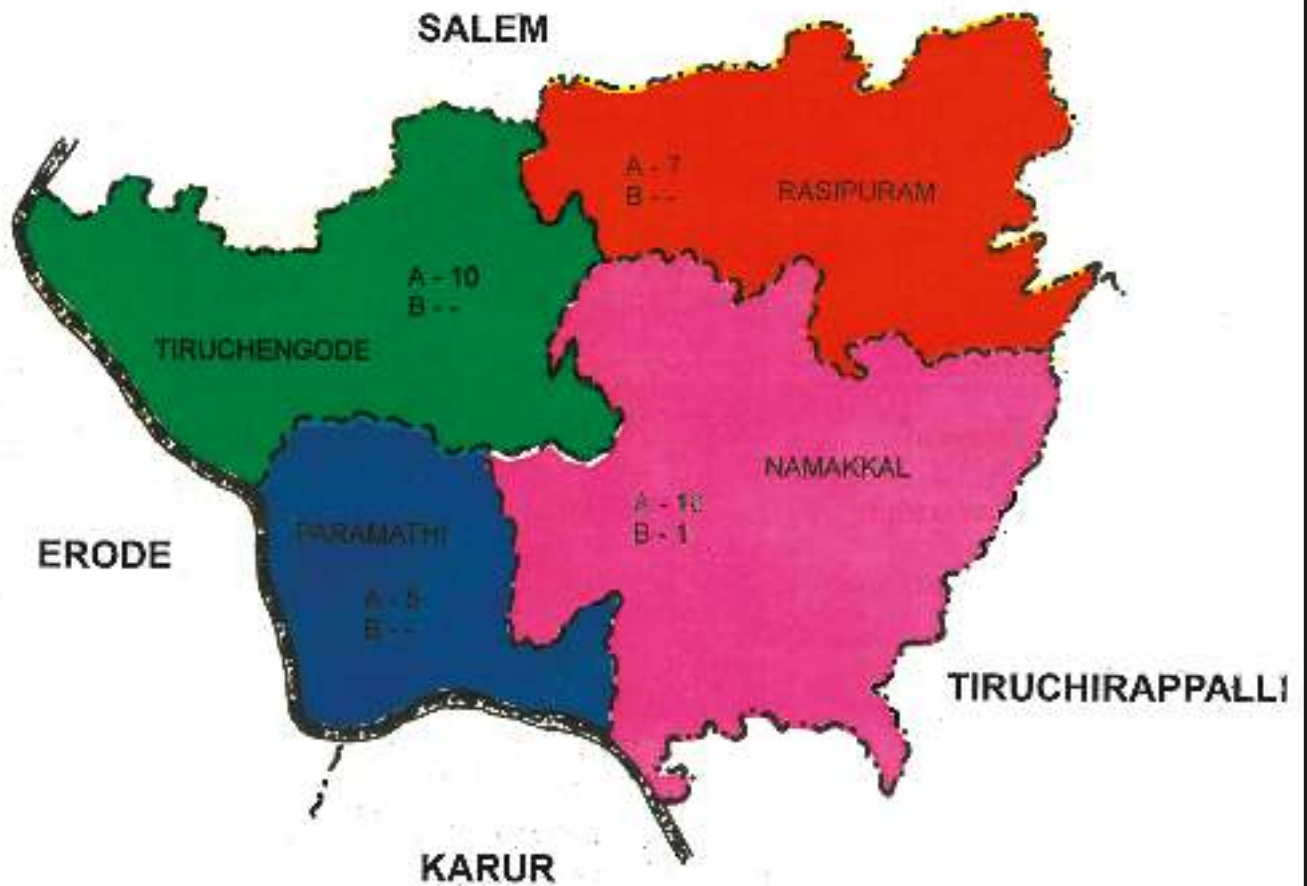
- A - SUGAR MILLS
- B - COTTON GINNING MILLS
- C - RICE MILLS
- D - SPINNING MILLS
- E - OIL CENTRES
- F - SAGO FACTORY
- G - COIR FACTORY
- H - POULTRY FEED FACTORY






## ANIMAL HUSBANDRY INSTITUTIONS

Sl. No.	Institutions	Namakkal	Paramathi	Rasipuram	Tiruchengode	Total
1.	Veterinary Hospitals & Dispensary	14	5	7	9	35
2.	Veterinary College & Resarch institute	1	—	—	—	1
3.	Mobile units	2	—	—	1	3
Total		17	5	7	10	39

# ANIMAL HUSBANDRY INSTITUTIONS NAMAKKAL DISTRICT



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

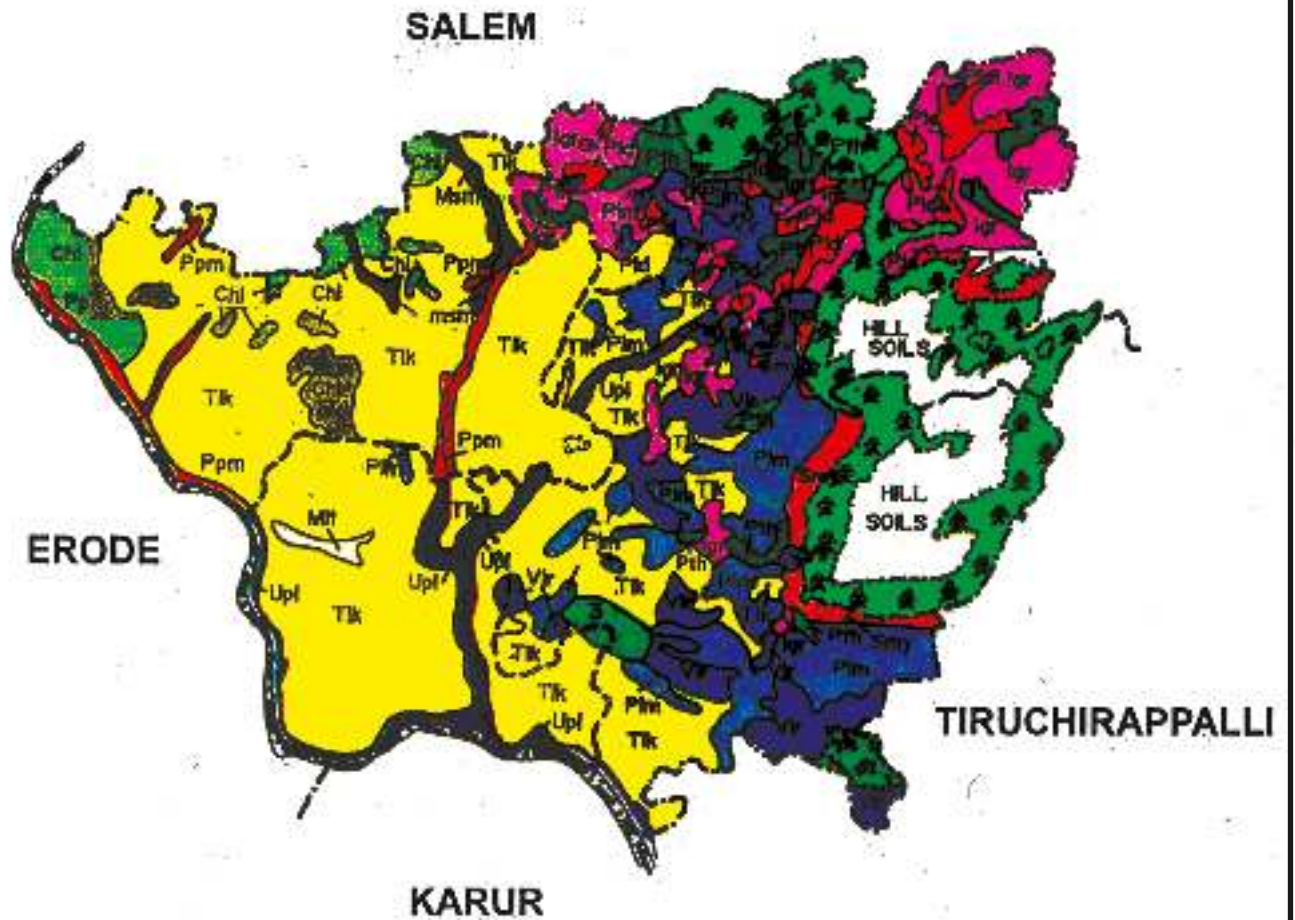
## LEGEND

- A - VETERINARY HOSPITALS & DISPENSARY
- B - VETERINARY COLLEGE OF RESEARCH INSTITUTIONS

## SOILS

S.No.	Soil series	Symbol	Area (ha)	% to the total area
1.	Irugur	Igr	28,220	8.07
2.	Tulukkanur	Tlk	1,34,196	38.38
3.	Pilamedu	Plm	30,930	8.84
4.	Somayyanur	3my	4,599	1.31
5.	Upparapatti	Upi	10,968	3.14
6.	Pallipalayam	Ppm	6,292	1.80
7.	Mallasamudram	Msm	1,294	0.37
8.	Chittalandur	Chl	11,654	3.33
9.	Pichanur	Pch	550	0.16
10.	Palladam	Pld	10,097	2.89
11.	Palathurai	Pth	8,178	2.34
12.	Vellalur	Vlr	20,934	5.99
13.	Hill soils	—	49,922	14.28
14.	Soil associations	—	6,663	1.91
15.	Miscellaneous Land Type	MLT	974	0.28
16.	Forest & water bodies (Unsurveyed)	—	24,200	6.91
<b>Total</b>			<b>3,49,671</b>	<b>100.00</b>

# SOILS NAMAKKAL DISTRICT



**REFERENCE**

District boundary	-----
Taluk boundary	- - - - -
Rivers & Gully	
Forest boundary	

**LEGEND**

IRUGUR	PALLADAM
PALATHURAI	PILAMEDU
VELLALUR	PICHANUR
SOMAYANUR	TULUKKANUR
UPPARAPATTI	PALLIPALAYAM
MALLA SAMUDARAM	Pld + Pth
CHITTALANDUR	Smy + Pth
MISCELLANEOUS LAND TYPE	Vir + Tik



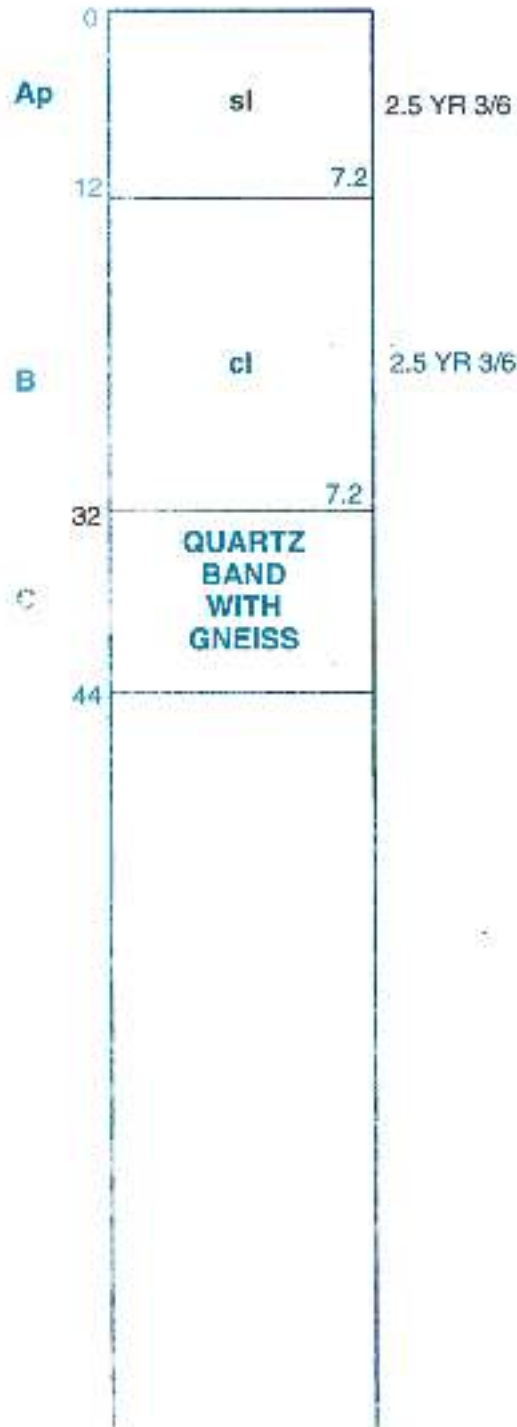
## **IRUGUR SERIES (Igr)**

**Location** : Muthakkapatti Village, Namakkal Taluk  
**Physiography** : Undulating uplands  
**Topography** : Gently sloping to undulating  
**Drainage** : Well drained with rapid permeability  
**Parent material** : Gneiss

- Ap** 0 - 12cm; dark red (2.5 YR 3/6 D & M); sandy loam; moderate medium sub - angular blocky; slightly hard, (dry) friable, (moist) sticky and plastic (wet), many fine roots; rapid permeability; clear smooth boundary; pH 7.2.
- B** 12 - 32cm; dark red (2.5 YR 3/6 D & M); clay loam; strong coarse sub - angular blocky; very hard (dry); very firm, (moist) very sticky and plastic (wet); very few very fine roots; moderately rapid permeability; abrupt smooth boundary; pH 7.2.
- C** 32 - 44cm; Quartz band and mixed with gneiss.

# IRUGUR SERIES

Igr



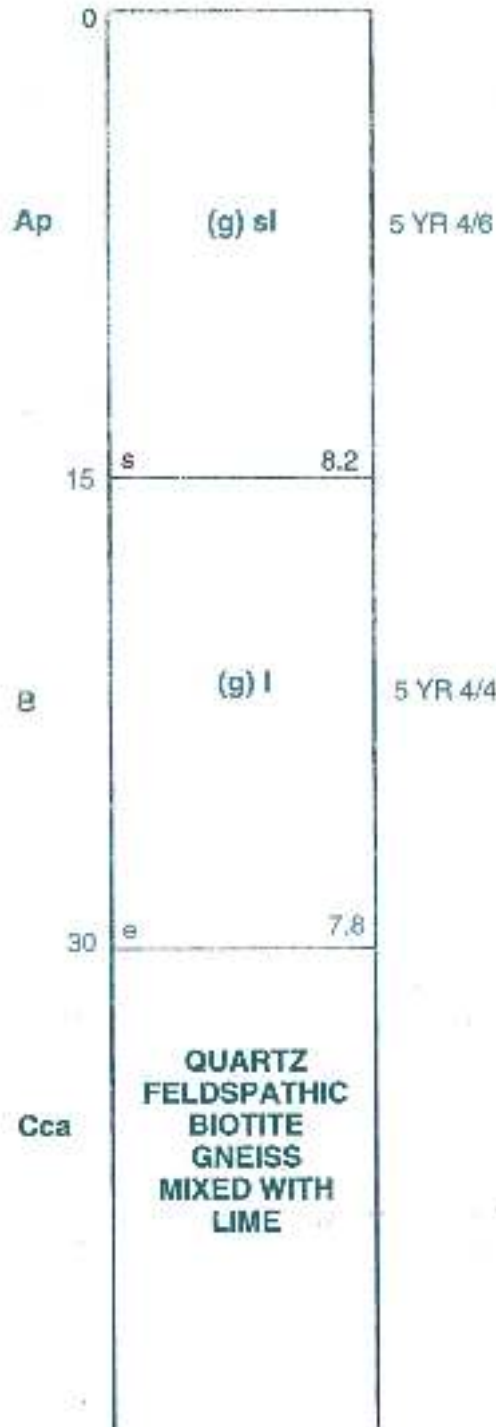
## TULUKKANUR SERIES (TIK)

- Location : At 12/8 km stone on Velur - Jedarpalayam road in Solakattupudur.
- Physiography : Plain lands to very gently sloping lands.
- Topography : Nearly level to gently sloping
- Drainage : Well drained
- Parent material : Calcic gneiss

- Ap 0 - 15cm; dark reddish brown (5 YR  $\frac{3}{8}$  D), and yellowish red (5 YR  $\frac{4}{6}$  M); gravelly sandy loam; weak medium sub - angular blocky; loose (dry), friable (moist); abundant roots; slight effervescence; rapid permeability; abrupt smooth boundary; pH 8.2.
- B 15 - 30 cm; dark reddish brown (5 YR  $\frac{3}{4}$  D), reddish brown (5 YR  $\frac{4}{4}$  M); gravelly loam; moderate medium sub - angular blocky; hard (dry), firm (moist), slightly sticky (wet); common fine, irregular CaCO<sub>3</sub> concretions; few roots; strong effervescence; moderate permeability; abrupt smooth boundary; pH 7.8.
- Cca 30 + cm; Quartz feldspathic biotite gneiss mixed with lime.

## TULUKKANUR SERIES

### Tik





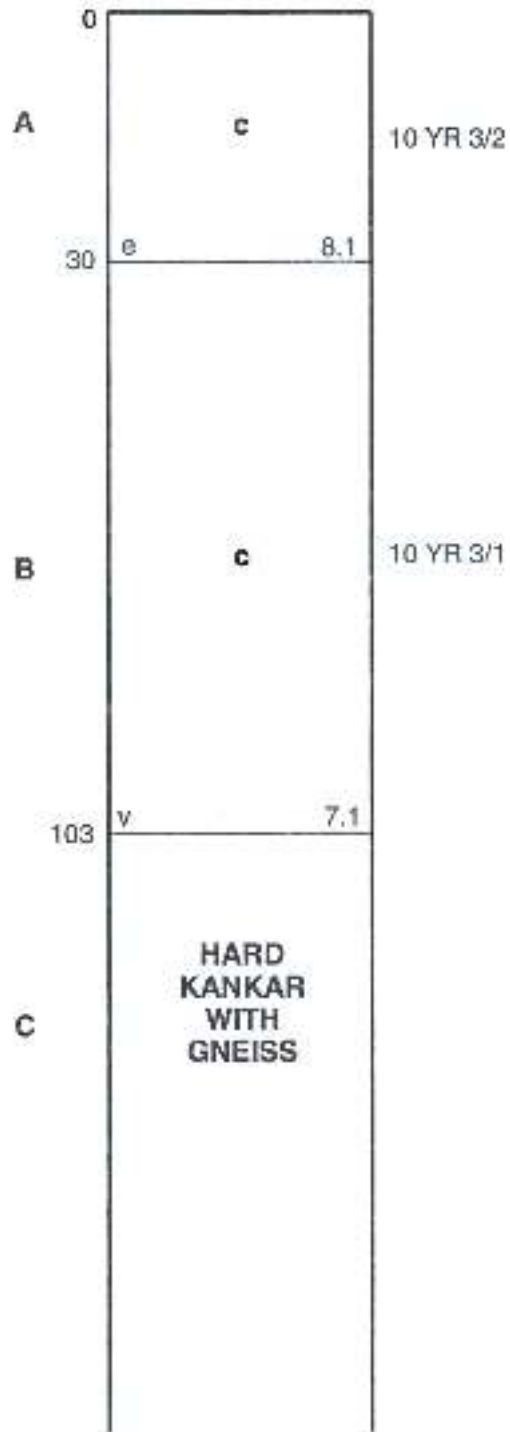
## PILAMEDU SERIES (P1m)

- Location : Eastern side of Reddipatti in Namakkal taluk
- Physiography : Flat lands
- Topography : Nearly level to very gently sloping lands
- Drainage : Moderately well drained
- Parent material : Calcic gneiss

- A 0 - 30 cm; very dark grey (10 YR  $\frac{3}{4}$  D); very dark brown (10 YR  $\frac{3}{2}$  M); clay; strong coarse sub - angular blocky; hard, (dry) firm, (moist) sticky and plastic (wet); CaCO<sub>3</sub> concretions 2 - 5mm in size; few medium roots; strong effervescence; moderately slow permeability; clear smooth boundary; pH 8.1.
- B 30 - 103cm; very dark grey (10 YR  $\frac{3}{4}$  D & M); clay; strong coarse angular blocky; hard (dry), firm (moist), very sticky and plastic (wet); many CaCO<sub>3</sub> concretions - 5mm size; few fine roots; violent effervescence; moderate permeability; clear smooth boundary; pH 7.1.
- C 103 + cm; hard kankar with gneiss.

# PILAMEDU SERIES

**Plm**



## SOMAYYANUR SERIES (Smy)

Location : Toppapatti village of Rasipuram taluk  
Physiography : Foot hills  
Topography : Valley  
Drainage : Well drained with rapid permeability  
Parent material : Colluvium

A 0 - 10cm; reddish brown (5 YR  $\frac{4}{4}$  M); sandy loam; weak medium crumb; slightly hard (dry); friable (moist); abundant roots; slight effervescence; rapid permeability gradual wavy boundary; pH 7.5.

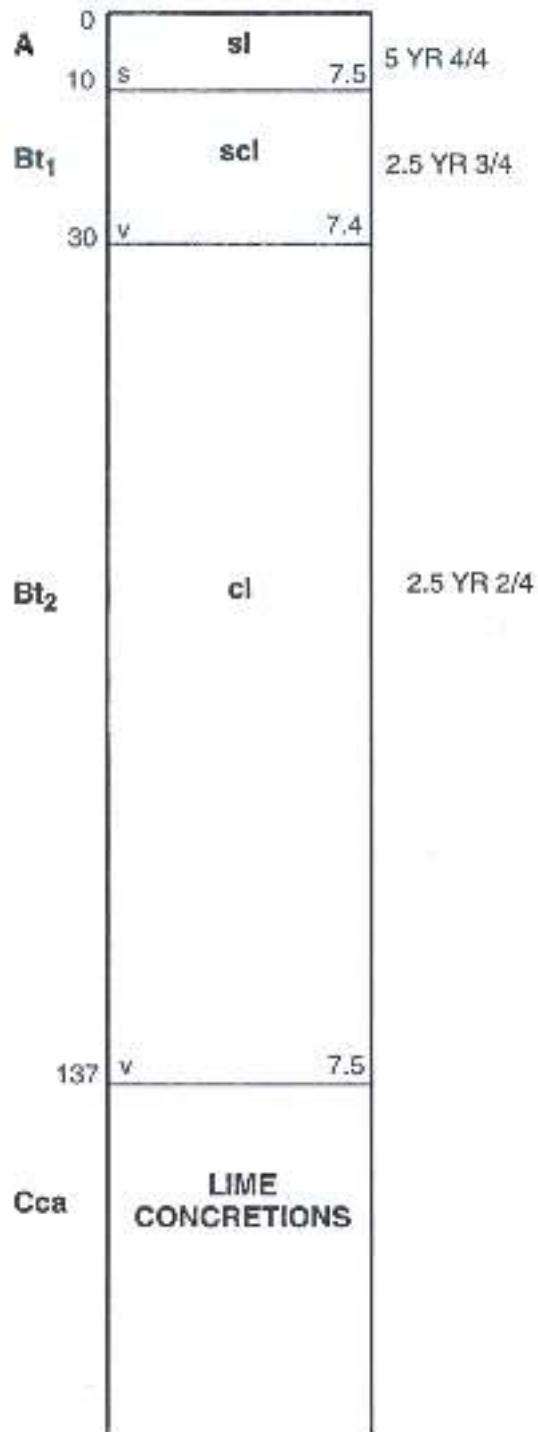
Bt<sub>1</sub> 10 - 30cm; dark reddish brown (2.5 YR  $\frac{3}{4}$  M); sandy clay loam; moderate medium sub - angular blocky; slightly hard (dry) friable (moist) slightly sticky (wet); few roots; violent effervescence; moderately rapid permeability; clear smooth boundary; pH 7.4.

Bt<sub>2</sub> 30 - 137 cm; dark reddish brown (2.5 YR  $\frac{2}{4}$  M); clay loam; weak medium granular; very hard, (dry) friable (moist); violent effervescence; few roots; moderately rapid permeability; pH 7.5.

Cca 137+ cm; lime concretions.

## SOMAYYANUR SERIES

### Smy





## UPPARAPATTI SERIES (Upi)

Location : Oduvanthur village 5km away from Mohanur.  
Physiography : River banks  
Topography : Nearly level lands  
Drainage : Moderately well drained  
Parent material : Alluvium

- Ap 0 - 12cm; dark yellowish brown (10 YR  $\frac{4}{5}$  D), dark yellowish brown (10 YR  $\frac{1}{4}$  M); silty clay; moderate medium granular; very hard, (dry) firm, (moist) very plastic and very sticky (wet); slight effervescence; moderately rapid permeability; pH 8.2.
- AB 12 - 90cm; dark yellowish brown (10 YR  $\frac{4}{4}$  D) dark yellowish brown (10 YR  $\frac{3}{4}$  M); silty clay; coarse sub - angular blocky; very hard (dry), firm (moist) very sticky (wet); slight effervescence; moderately rapid permeability; pH 8.2.
- B 90 - 125cm; dark reddish brown (5 YR  $\frac{3}{4}$  M & D); silty clay; strong coarse angular blocky; very hard (dry) firm, (moist); plastic and sticky (wet); thin patchy clay skin; slight effervescence; moderately slow permeability; pH 8.2.
- Bc 125 - 160+cm; dark reddish brown (5 YR  $\frac{3}{4}$  D & M); sandy clay loam; weak coarse sub - angular blocky; hard (dry) firm (moist) slightly sticky (wet); slight effervescence; very rapid permeability; pH 8.2.

# UPPARAPATTI SERIES

## Upi

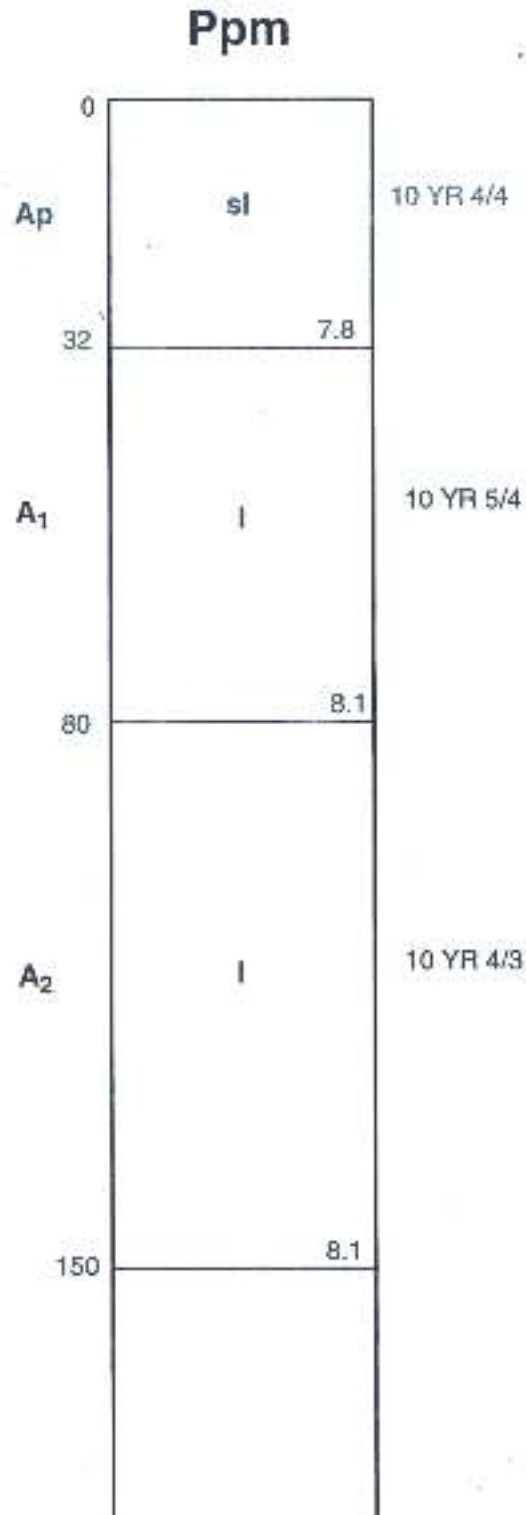
Ap	0	sic	10 YR 4/4
	12	s 8.2	
AB		sic	10 YR 4/4
	90	s 8.2	
B		sic	5 YR 3/4
	125	s 8.2	
BC		cl	5 YR 3/4
	160	s 8.2	

## PALLIPALAYAM SERIES (Ppm)

- Location : Pappampalayam on Pallipalayam - Kakkarayanpettai road.  
Physiography : Lowlands  
Topography : Nearly level to very gently sloping  
Drainage : Moderately well drained  
Parent Material : Alluvium

- A<sub>p</sub> 0 - 32cm; dark yellowish brown (10 YR 4/4 M); sandy loam; crumbs; friable (moist); abundant roots; clear smooth boundary; pH 7.8.
- A<sub>1</sub> 32 - 80cm; yellowish brown (10 YR 5/4 M); loam; crumbs; friable (moist); slightly sticky (wet); few roots; clear smooth boundary; pH 8.1.
- A<sub>2</sub> 80 - 150cm; dark brown (10 YR 4/3 M); loam; weak blocky friable (moist), sticky (wet); clear smooth boundary; pH 8.1.

## PALLIPALAYAM SERIES



## MALLASAMUDRAM SERIES (Msm)

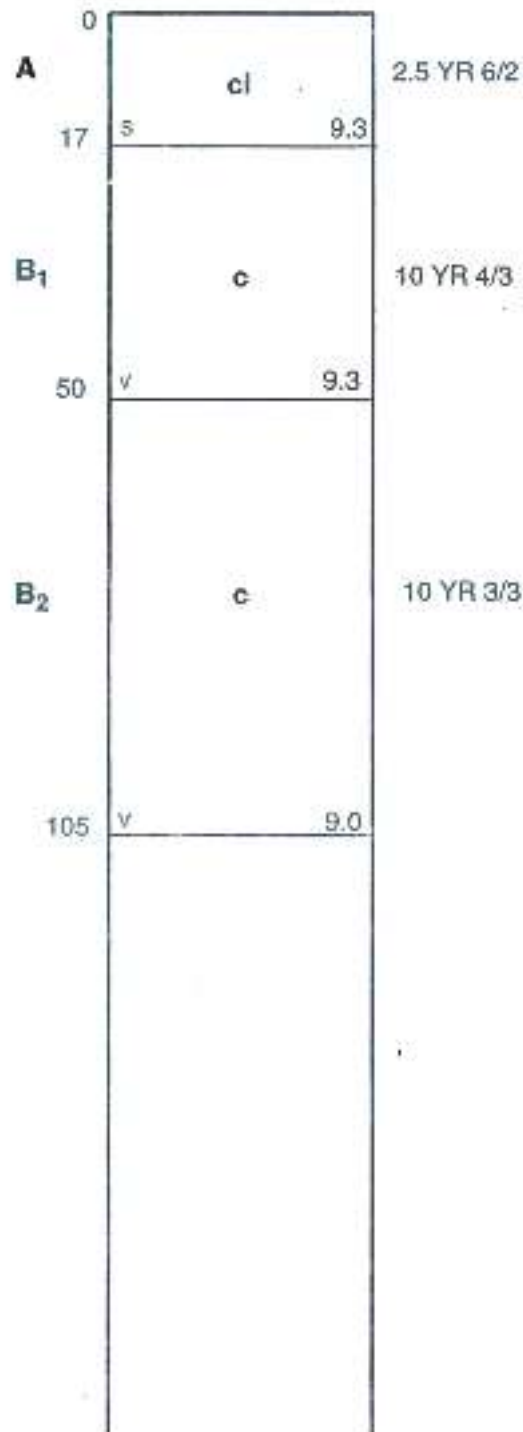
Location : Mallasamudram village on 15/5 mile stone Tiruchengodu - Salem road  
Physiography : Valley  
Topography : Very gently sloping  
Drainage : Moderately well drained.  
Parent material : Gneiss

- A 0 - 17cm; light brown grey (2.5 YR  $\frac{6}{2}$  M); clay loam mixed with lime concretions; slightly hard (dry); sticky (wet); slight effervescence; abundant roots; clear smooth boundary; pH 9.3.
- B<sub>1</sub> 17-50cm; dark brown (10 YR  $\frac{4}{3}$  M); clay mixed with lime concretions; coarse sub - angular blocky; hard (dry), sticky (wet); violent effervescence; few roots; clear smooth boundary; pH 9.3.
- B<sub>2</sub> 50 - 105cm; dark brown (10 YR  $\frac{3}{3}$  M); clay; massive; hard (dry), very sticky (wet); violent effervescence; pH 9.0.



## MALLASAMUDRAM SERIES

### Msm



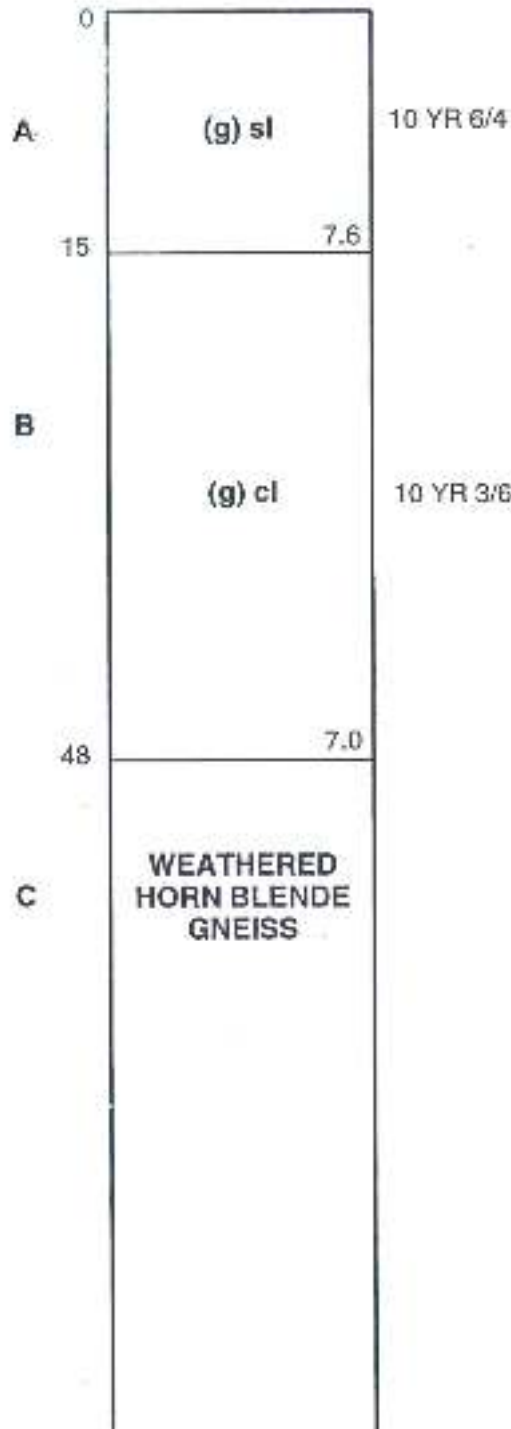
## CHITTALANDUR SERIES (ChI)

- Location : On Chittalandur - Kumaramangalam road, 7 miles South of Tiruchengode
- Physiography : Gently sloping lands
- Topography : Nearly level to very gently sloping
- Drainage : Well drained
- Parent material : Weathered homblende gneiss

- A 0 - 15cm; light yellowish brown (10 YR  $\frac{6}{4}$  M); coarse gravelly sandy loam with few quartz bits; single grained; loose (dry), abundant roots; clear smooth boundary; pH 7.6.
- B 15 - 48 cm; dark yellowish brown (10 YR  $\frac{3}{6}$  M); gravelly clay loam with abundant quartz; sub - angular blocky; slightly hard (dry); sticky (wet); abundant roots; gradual wavy boundary; pH 7.0.
- C 48+ cm; weathered hom blende gneiss.

# CHITTALANDUR SERIES

## Chl



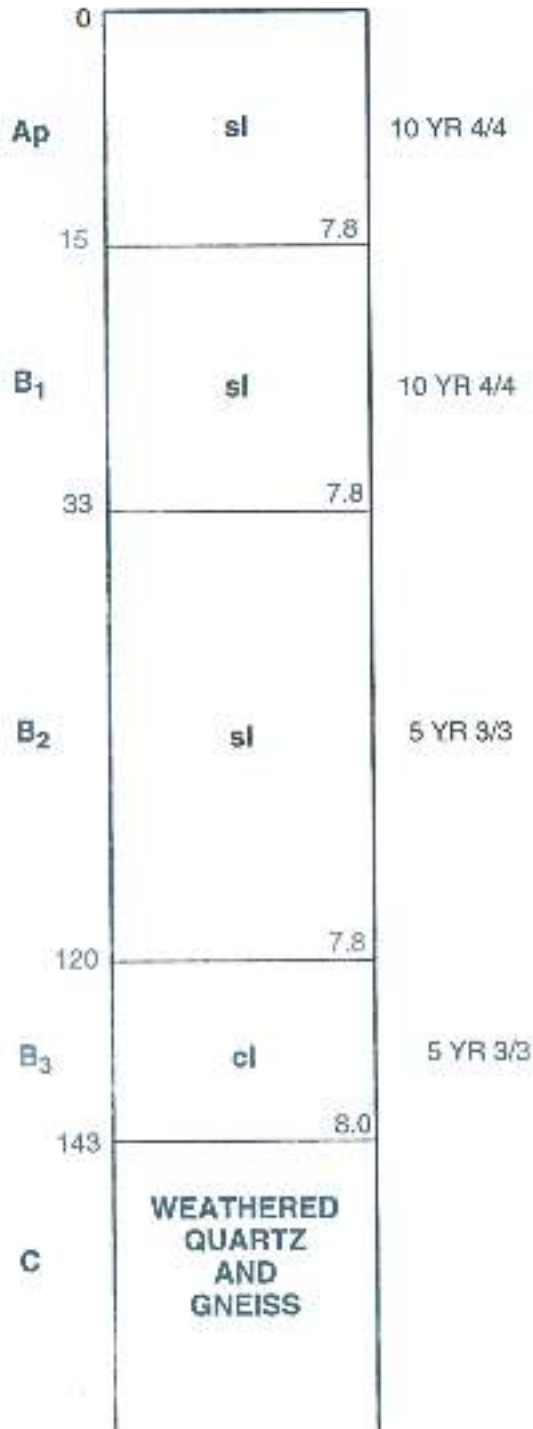
## PICHANUR SERIES (Pch)

Location	:	Vadugam village - North eastern boundary; adjoining Malayampatty village, Rasipuram taluk.
Physiography	:	Gently sloping uplands
Topography	:	Gently sloping
Drainage	:	Well drained
Parent material	:	Gneiss

Ap	0 - 15cm; dark yellowish brown (10 YR 4/4 M); sandy loam; weak medium crumb; hard, (dry) friable (moist); few 5 - 10mm gneissic fragments; plentiful roots; rapid permeability; clear smooth boundary; pH 7.8.
B <sub>1</sub>	15 - 33cm; dark yellowish brown (10 YR 4/4 M); dark brown (7.5 YR 3/2 M); sandy loam; weak medium sub - angular blocky; hard, (dry) friable (moist); few roots; 2 - 5mm size gneissic fragments; rapid permeability; clear smooth boundary; pH 7.8.
B <sub>2</sub>	33 - 120cm; dark reddish brown (5 YR 3/3 M); sandy loam; weak medium, crumb; hard (dry), friable (moist), slightly sticky and slightly plastic (wet); few roots; rapid permeability; clear smooth boundary; pH 7.8.
B <sub>3</sub>	120 - 143cm; dark reddish brown (5 YR 3/3 M); clay loam; weak fine to medium, sub - angular blocky; slightly hard (dry), friable (moist), slightly sticky and plastic (wet); very few roots; moderately rapid permeability; pH 8.0.
C	143 + cm; weathered quartzite and gneiss.

# PICHANUR SERIES

## Pch





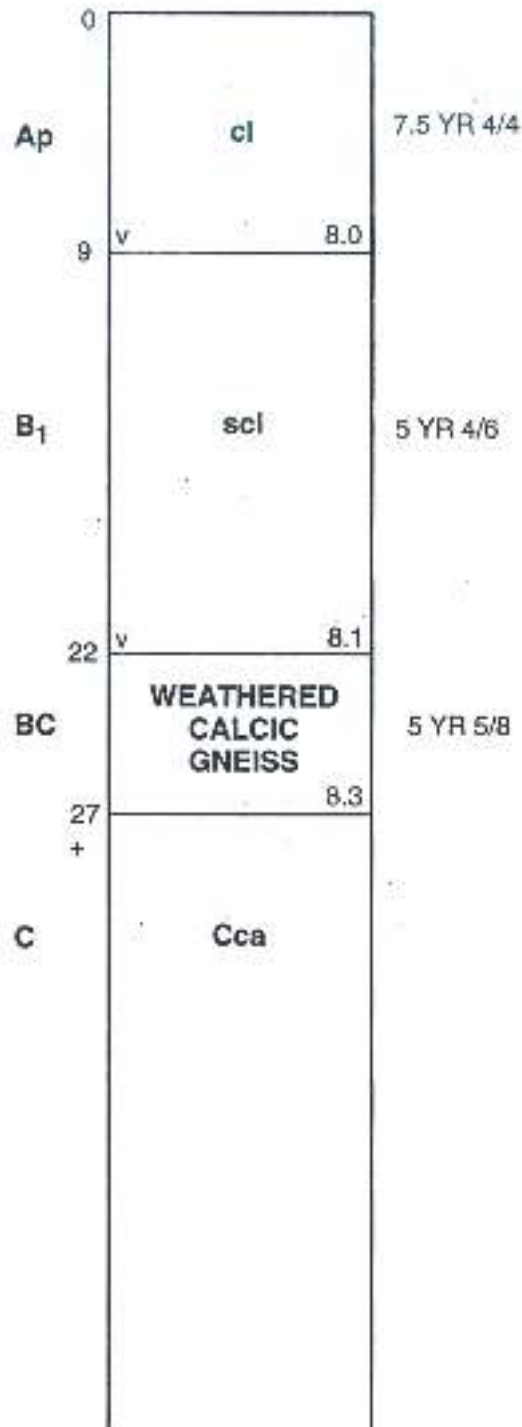
## PALLADAM SERIES (Pld)

- Location : Onankaradu Rasipuram taluk  
Physiography : Undulating upland  
Topography : Gently sloping to undulating  
Drainage : Well drained with moderately rapid permeability.  
Parent material : Calcic gneiss.

- Ap 0 - 9cm; dark brown (7.5 YR  $\frac{4}{4}$  M); clay loam; strong coarse sub - angular blocky; few fine lime and iron concretions (3.5 %); very hard (dry), friable (moist), slightly sticky and plastic (wet); moderately rapid permeability; violent effervescence; abundant roots; clear wavy boundary; pH 8.0.
- B<sub>1</sub> 9 - 22cm; yellowish red (5 YR  $\frac{4}{6}$  M); dark brown (5 YR  $\frac{4}{4}$  M) sandy clay loam; moderate coarse sub - angular blocky; many fine lime and iron concretions (5 - 10%); violent effervescence; hard (dry), friable (moist), slightly sticky and plastic (wet); rapid permeability, few fine roots, abrupt smooth boundary; pH8.1.
- BC 22 - 27 cm; yellowish red (5 YR  $\frac{5}{8}$  M); highly weathered calcic gneiss; pH 8.3.
- C 27cm; + Cca

# PALLADAM SERIES

## Pld



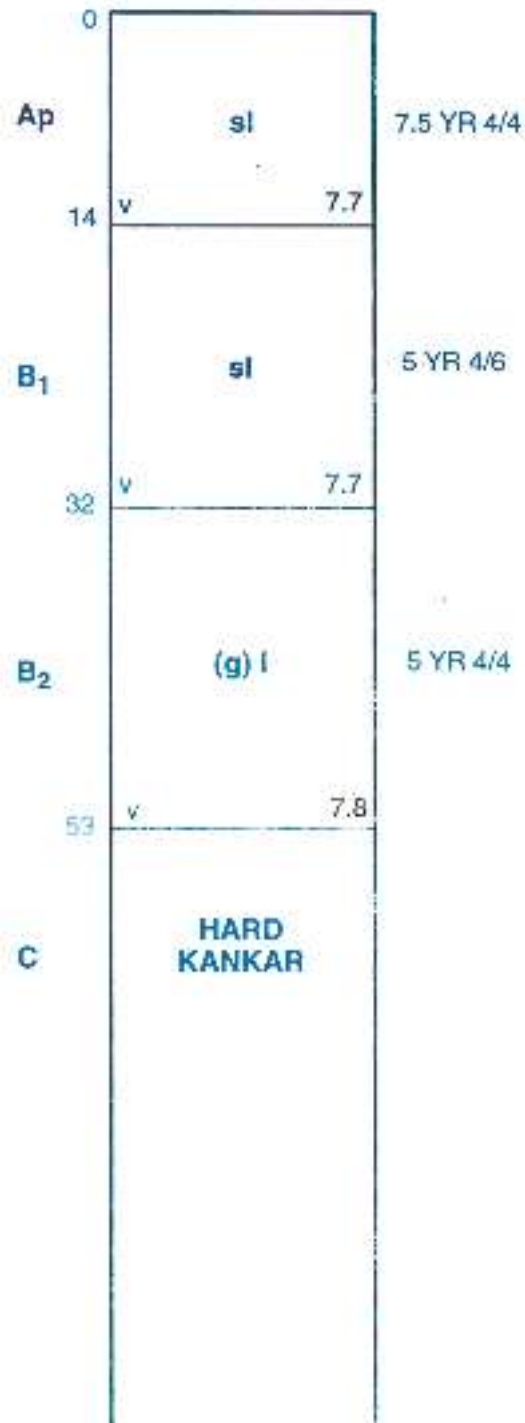
## PALATHURAI SERIES (Pth)

Location	:	Vettampadi village, Namakkal taluk
Physiography	:	Undulating up lands
Topography	:	Gently sloping to undulating
Drainage	:	Well drained
Parent material	:	Calcic gneiss

Ap	0 - 14cm; dark brown (7.5 YR 4/4 D); reddish brown (5 YR 4/4 M); sandy loam; moderate medium sub - angular blocky; slightly plastic (wet); CaCO <sub>3</sub> concretions, 2 - 5mm size, many; few medium roots; violent effervescence; rapid permeability; clear smooth boundary; pH 7.7.
B <sub>1</sub>	14 - 32cm; reddish brown (5 YR 4/6 M); sandy loam; moderate medium sub - angular blocky; slightly hard (dry), friable (moist), sticky and slightly plastic (wet); CaCO <sub>3</sub> concretions 2 - 5mm size, many; few, fine roots; violent effervescence; rapid permeability; clear smooth boundary; pH 7.7.
B <sub>2</sub>	32 - 53cm; dark brown (7.5 YR 4/4 D), reddish brown (5 YR 4/4 M); gravelly loam; massive; slightly hard (dry), friable (moist), sticky and slightly plastic (wet); CaCO <sub>3</sub> concretions, abundant, irregular; violent effervescence; moderately rapid permeability; gradual wavy boundary; pH 7.8.
C	53+cm; hard kankar.

## PALATHURAI SERIES

**Pth**



## VELLALUR SERIES (Vlr)

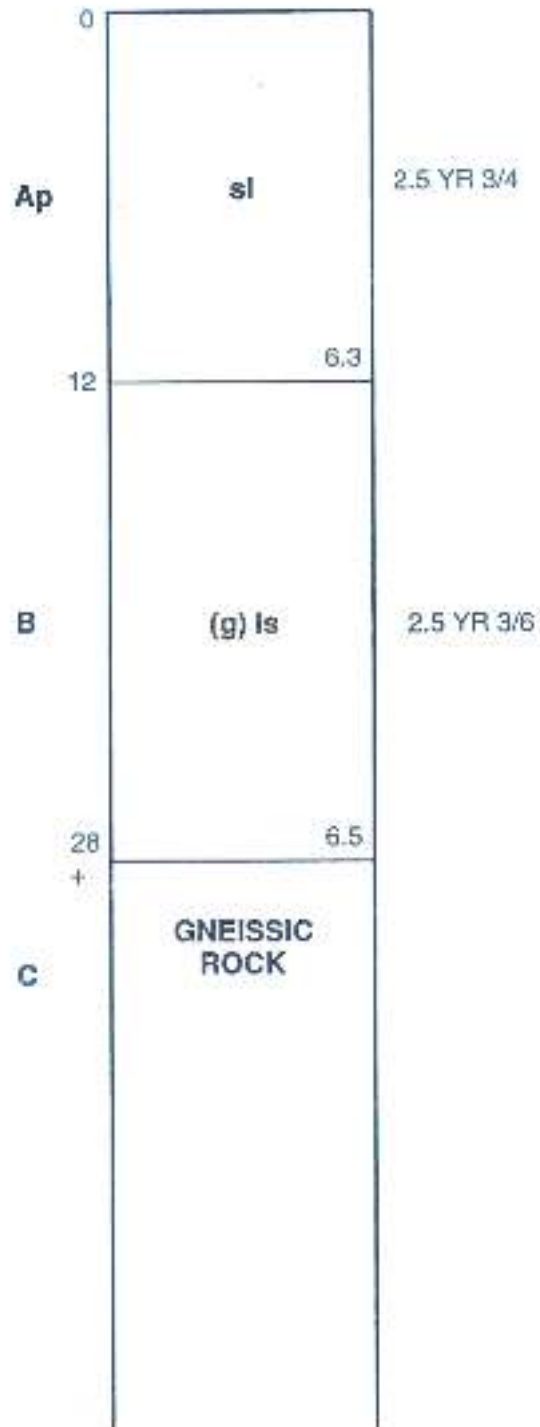
- Location : Kandampalayam village near 13km stone on the Paramathi Namakkal road
- Physiography : Gently sloping up lands
- Topography : Gently sloping
- Drainage : Well drained
- Parent material : Gneiss

- Ap 0 - 12cm; dark reddish brown (2.5 YR  $\frac{3}{4}$  D & M); sandy loam; medium crumb; loose (dry), friable (moist); very few fine roots; moderately rapid permeability; pH 6.3.
- B 12 - 28cm; dark red (2.5 YR  $\frac{3}{6}$  D & M); gravelly loamy sand; weak medium sub - angular blocky; slightly hard (dry), friable (moist); moderately rapid permeability; gradual smooth boundary; pH 6.5.
- C 28 + cm; gneissic rock.



## VELLALUR SERIES

Vlr



## LAND CAPABILITY

Area (ha)	Land capability classification	Soil series	Limitation	Needs
13,327	Ile	Palathurai, Pichanur, Somayyanur	Surface run off and erosion	Soil & water conservation.
6,292	II w	Pallipalayam	Soil moisture	Improvement of drainage
32,588	IIIe	Chittalandur, Vellalur	Erosion	Soil & water conservation.
43,192	III s	Mallasamudram, Pilamedu Upparapatti	Salinity Alkalinity	Improvement of drainage & reclamation.
1,72,513	III es	Irugur, Palladam Tulukkanur	Moderate erosion, shallow depth	Soil conservation.

**Legend**

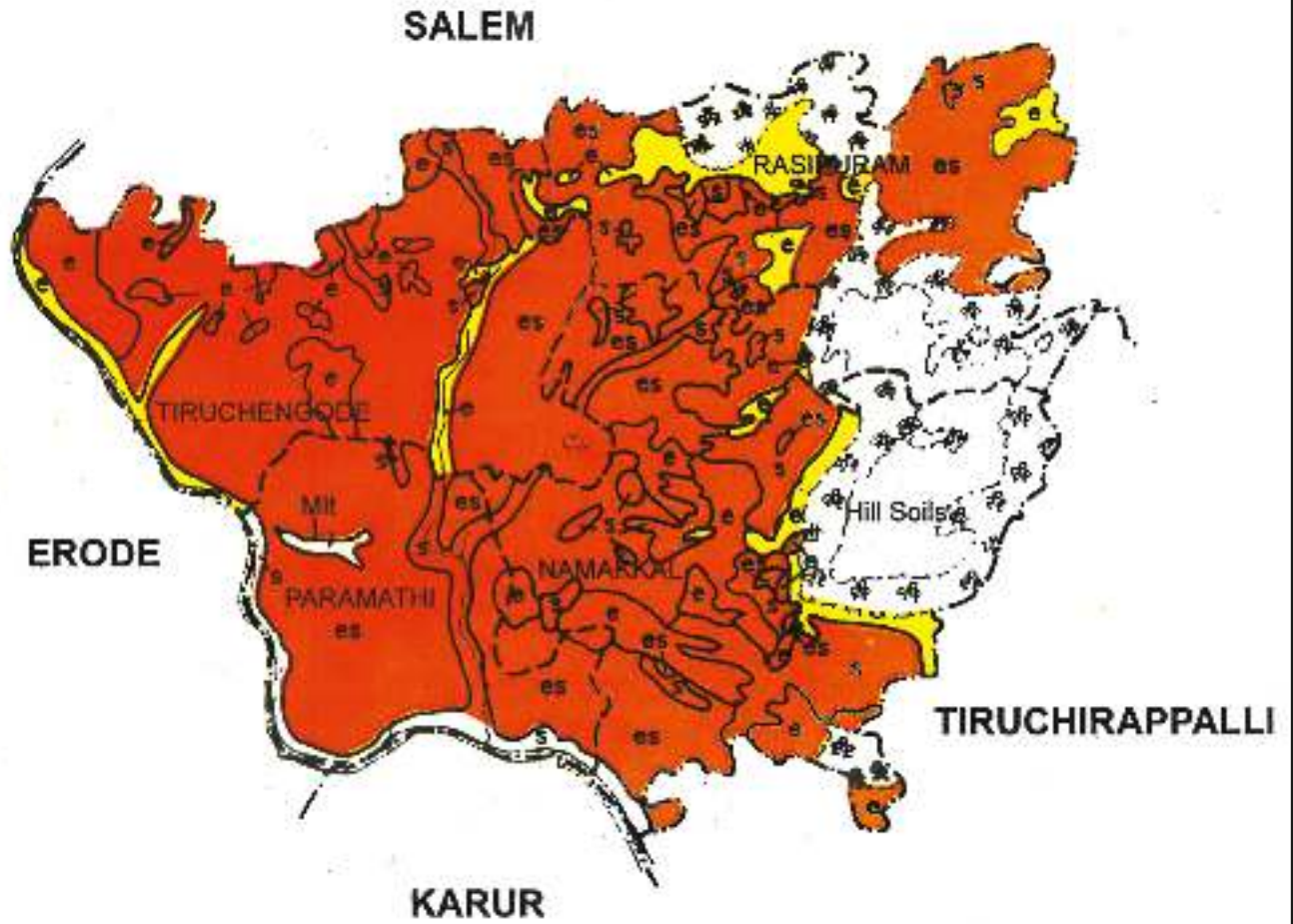
**Class**

- II - Good cultivable lands
- III - Moderately good cultivable lands





**Sub class**

- e - Erosion
- w - Wetness
- s - Soil limitation

# LAND CAPABILITY NAMAKKAL DISTRICT



## LEGEND

REFERENCE	CLASS	SUB - CLASS	
District boundary		GOOD CULTIVABLE LAND	e - EROSION
Taluk boundary		MODERATELY GOOD CULTIVABLE LAND	s - SOIL LIMITATIONS
Rivers & Gully			
Forest boundary			

## LAND IRRIGABILITY

Area (ha)	Soil series	Irrigability classification	Limitation
25,988	Palathurai, Pallipalayam Pichanur, Upparapatti	2s	Flood control, alkalinity erosion, stratification
4,599	Somayyanur	2t	Erosion control, topography
30,930	Pilamedu	3d	Slow permeability, alkalinity, surface run off.
2,05,101	Chittalandur, Irugur, Palladam, Tulukkanur, Vellalur	3s	Erosion, shallow depth, coarse fragments, low water holding capacity & topography.
1,294	Mallasamudram	4d	Drainage, salinity & alkalinity.

### **Legend**

#### **Class**

- 2 - Lands that have moderate soil limitations for sustained use under irrigation.
- 3 - Lands that have severe soil limitations for sustained use under irrigation.
- 4 - Lands that have very severe soil limitations for sustained use under irrigation.

#### **Sub class**


- d - drainage
- t - topography
- s - soil limitation



# LAND IRRIGABILITY NAMAKKAL DISTRICT



## LEGEND

REFERENCE		CLASS	SUB - CLASS	
District boundary	-----		MODERATE LIMITATIONS	s - SOIL LIMITATIONS
Taluk boundary	.....		SEVERE LIMITATIONS	t - TOPOGRAPHY
Rivers & Gully			VERY SEVERE LIMITATIONS	d - DRAINAGE
Forest boundary				

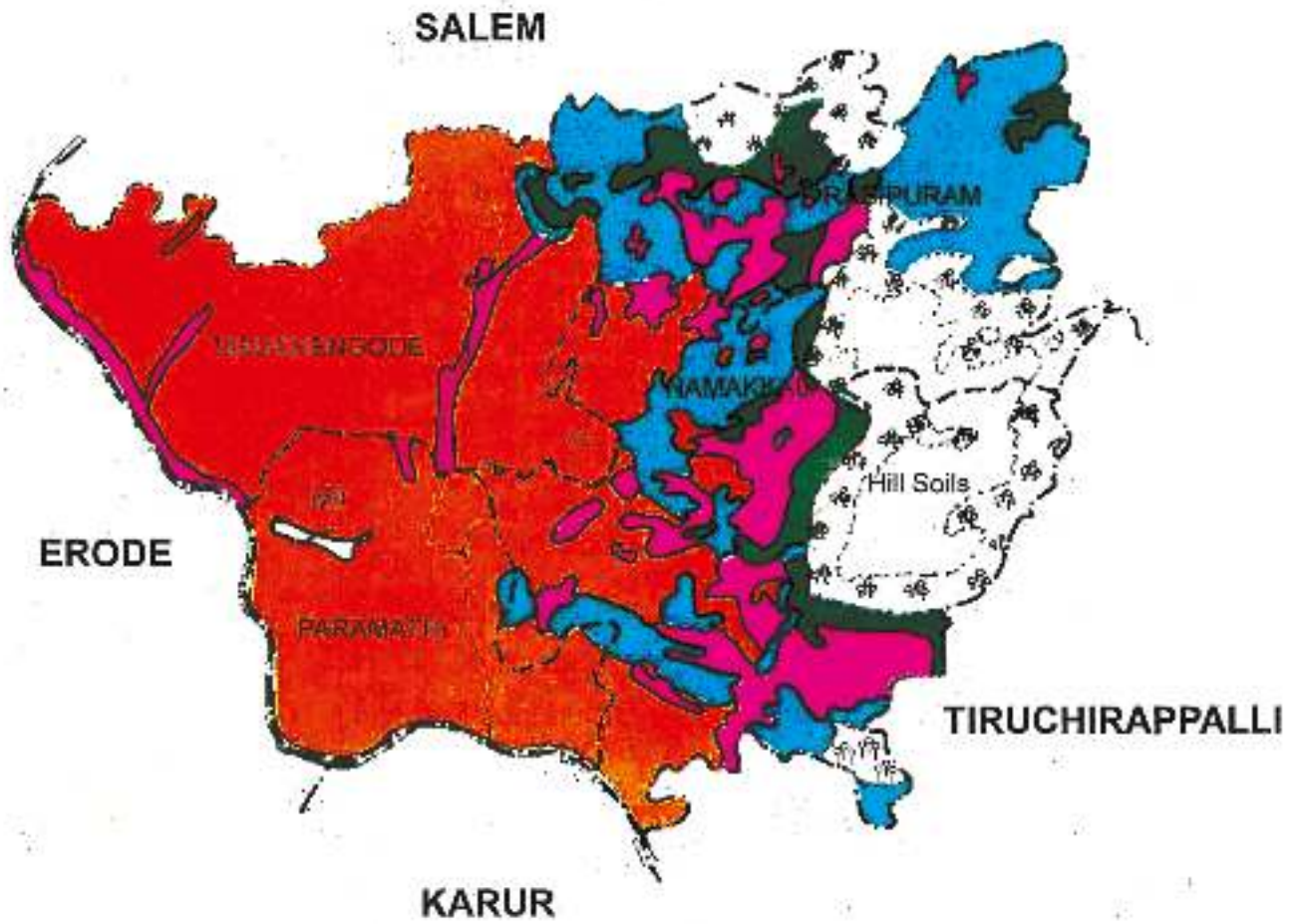


## SOIL PRODUCTIVITY

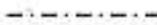

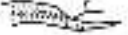
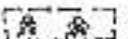
Area (ha)	Soil series	Productivity	
		Rating	Grouping
59,251	Irugur Palladam Vellalur	0 - 7	Extremely poor
1,58,112	Chittalandur Mallasamudram Tulukkanur Upparapatti	8 - 19	Poor
37,772	Pilamedu Pallipalayam Pichanur	20 - 34	Average
12,777	Palathurai Somayyanur	35 - 64	Good



# SOIL PRODUCTIVITY NAMAKKAL DISTRICT



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

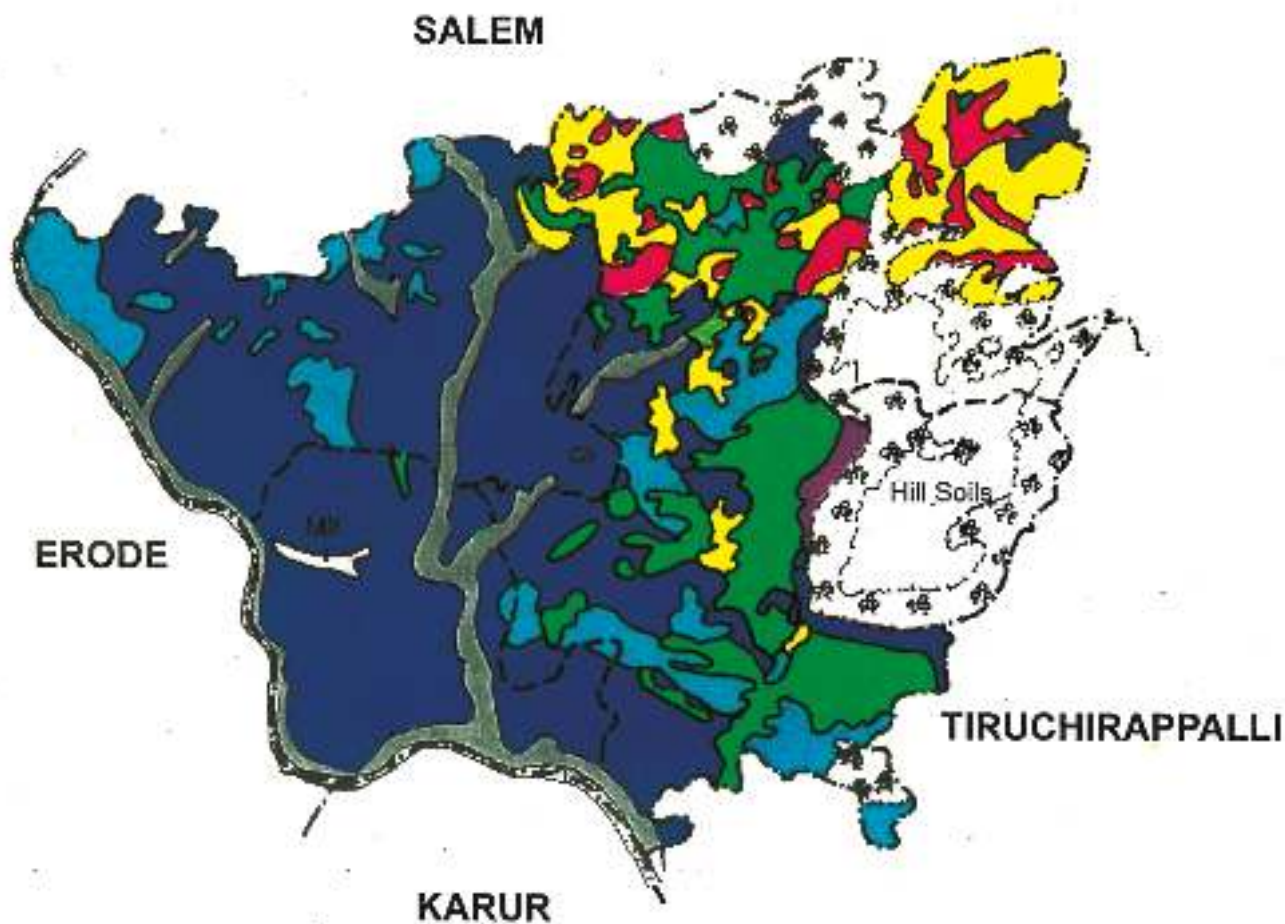
## LEGEND

- |   |      |   |                |
|---|------|---|----------------|
|  | GOOD |  | AVERAGE        |
|  | POOR |  | EXTREMELY POOR |





## CROPS GROWN

Sl.No.	Series	Crops Grown	
		Irrigated	Rainfed
1.	Tulukkanur	Groundnut, Sugar - cane	Cotton, Cholam, Cumbu, Groundnut
2.	Pilamedu	Cotton, Paddy, Sugarcane	Cholam, Cumbu, Tapioca, Cotton, Groundnut
3.	Vellalur	Groundnut, Cholam	Cotton, Cumbu, Cholam, Ragi, Tapioca.
4.	Irugur	Groundnut, Cholam,	Pulses, Groundnut.
5.	Palladam	Groundnut, Cotton	Tapioca, Cumbu, Ragi, Millets.
6.	Palathurai	Groundnut, Paddy, Sugar cane.	Cotton, Tapioca, Cholam, Cumbu, Ragi.
7.	Chittalandur	Cholam, Groundnut	Cholam, Cumbu, Ragi, Millets.
8.	Pallipalayam	Paddy, Sugar cane	Cotton, Millets, Groundnut, Tapioca.
9.	Upparapatti	Paddy, Sugar cane	Millets, Ragi, Cumbu, Cholam.
10.	Mallasamudram	Paddy, Sugar cane	Cumbu, Ragi, Cholam, Cotton
11.	Pichanur	Cotton, Groundnut	Gingelly, Cholam
12.	Somayyanur	Sugar cane, Groundnut	Cholam, Tapioca, Groundnut





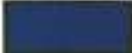

# CROPS GROWN NAMAKKAL DISTRICT



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

## LEGEND

- |   |     |   |     |
|---|-----|---|-----|
|  | - 1 |  | - 4 |
|  | - 2 |  | - 5 |
|  | - 3 |  | - 6 |

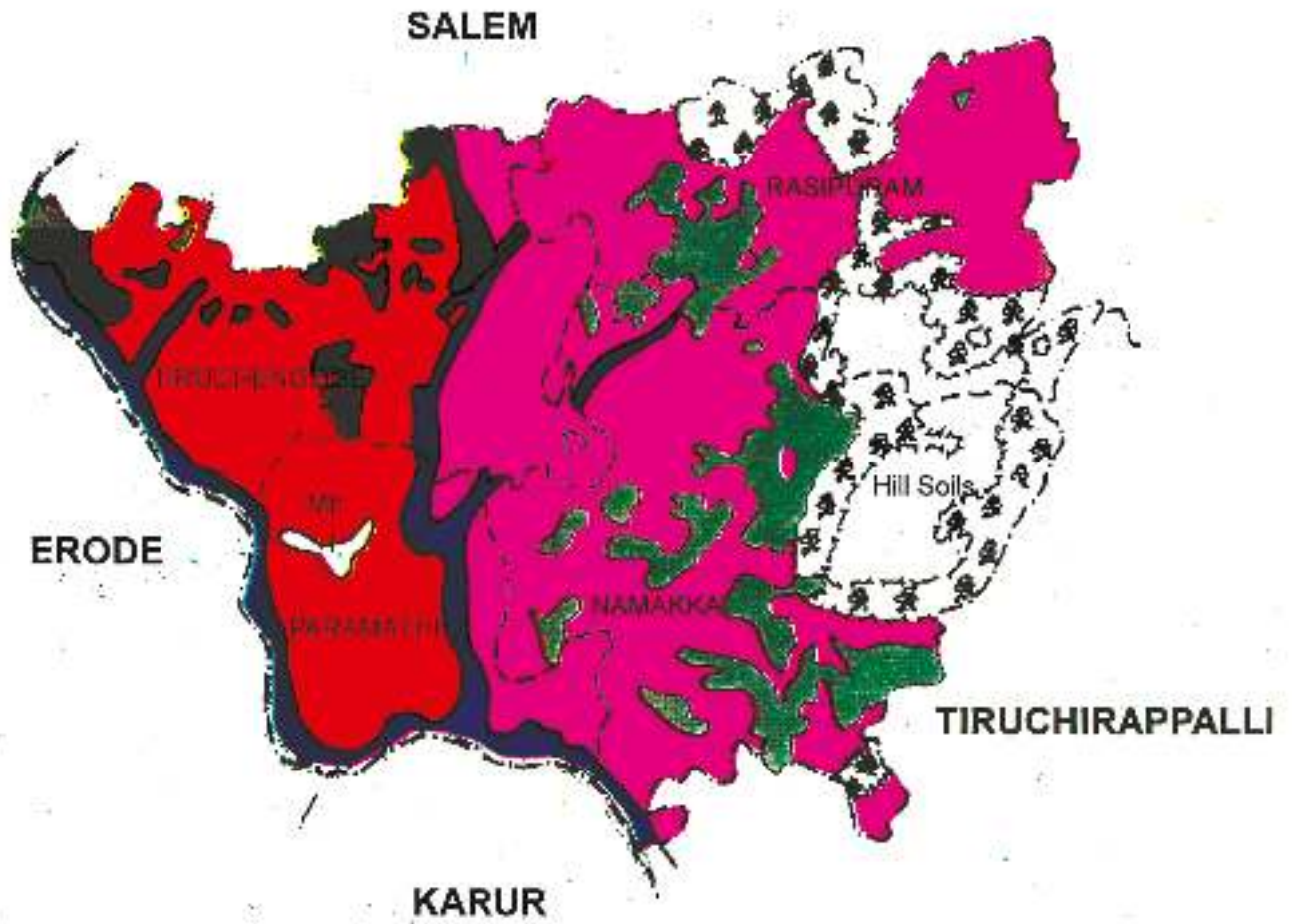
**SOIL COLOUR**

<b>Red soil</b>	<b>Black soil</b>	<b>Brown soil</b>	<b>Alluvial soil</b>
Vellalur Pichanur Palladam Palathurai Somayyanur Tulukkanur Irugur	Pilamedu	Mallasamudram Chittalandur	Upparapatti Pallipalayam
Area (ha) 2,06,774	30,930	12,948	17,260





# SOIL COLOUR NAMAKKAL DISTRICT



## REFERENCE

- District boundary -----
- Taluk boundary - - - - -
- Rivers & Gully

## LEGEND

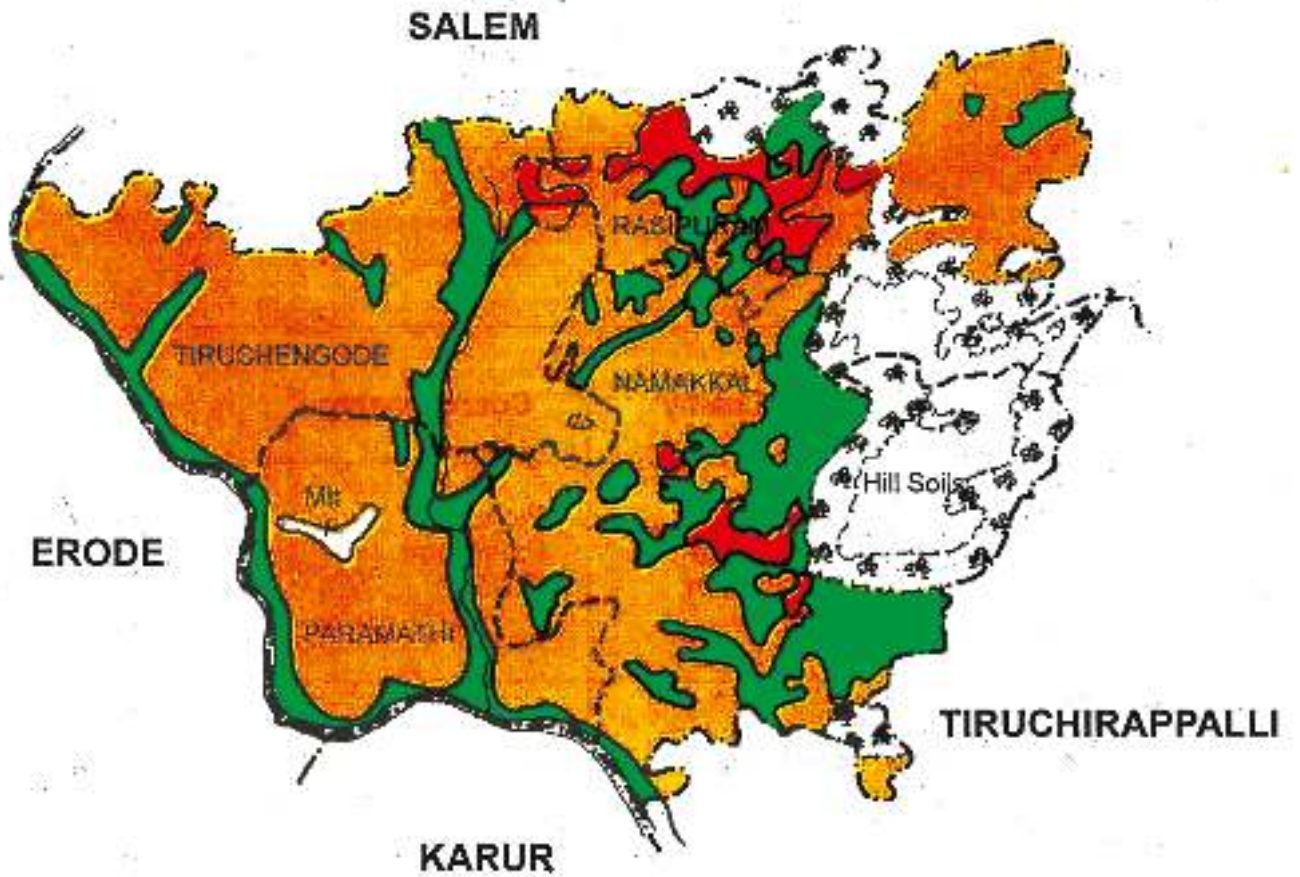
- RED SOIL
- BLACK SOIL
- BROWN SOIL
- ALLUVIAL SOIL

**DEPTH**




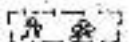
<b>Moderately Deep (26 - 50) cm (2)</b>	<b>Deep (51 - 100) cm (3)</b>	<b>Very Deep (&gt; 100) cm (4)</b>
Vellalur Palladam Chittalandur Irugur Tulukkanur	Palathurai	Pichanur Pallipalayam Pilamedu Somayyanur Upparapatti Mallasamudram
Area (ha) 2,05,101	8,178	54,633






# DEPTH NAMAKKAL DISTRICT



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

## LEGEND

-  MODERATELY DEEP
-  DEEP
-  VERY DEEP

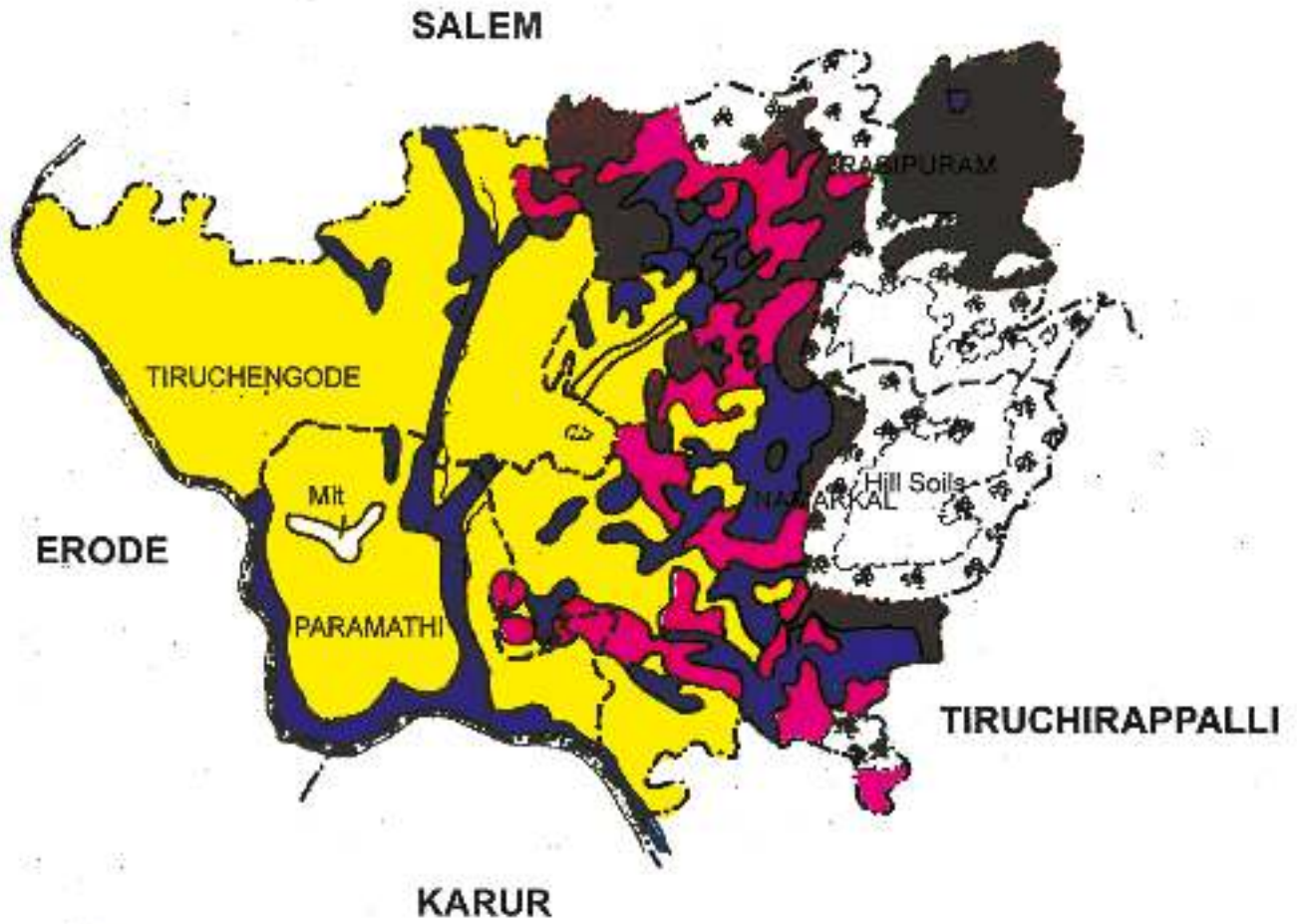
**TEXTURE**

<b>Loamy Skeletal</b>	<b>Fine Loamy</b>	<b>Coarse loamy</b>	<b>Fine</b>
Chittalandur Tulukkanur	Irugur Somayyanur Pallipalayam Palladam	Pichanur Palathurai Vellalur	Pilamedu Upparapatti Mallasamudram
Area (ha) 1,45,850	49,208	29,662	43,192



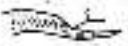





# TEXTURE NAMAKKAL DISTRICT



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

## LEGEND

-  LOAMY SKELETAL
-  COARSE LOAMY
-  FINE LOAMY
-  FINE

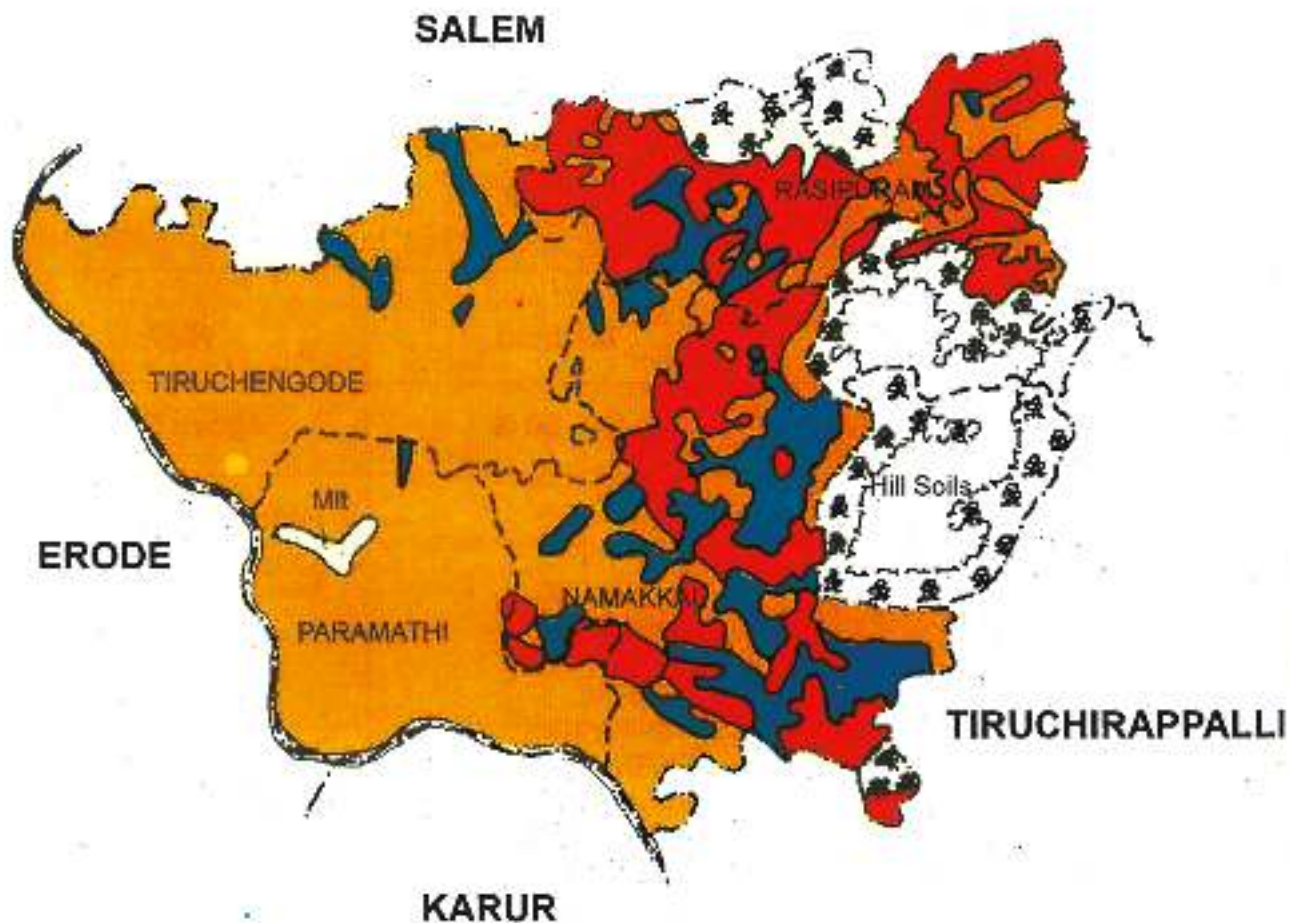


## PERMEABILITY



Slow	Moderately rapid	Rapid
Pilamedu Mallasamudram	Tulukkanur Somayyanur Upparapatti Pallipalayam Chittalandur Palladam	Irugur Pichanur Palathurai Vellalur
Area (ha) — 32,224	1,77,806	57,882



# PERMEABILITY NAMAKKAL DISTRICT



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

## LEGEND

-  SLOW
-  MODERATELY RAPID
-  RAPID





## WATER HOLDING CAPACITY

<b>Low</b>	<b>Medium</b>	<b>High</b>	
0 - 20 %	21 - 50 %	Above 50 %	
Chittalandur	Irugur Vellalur Tulukkanur Palathurai Palladam Pichanur Somayyanur Pallipalayam	Pilamedu Upparapatti Mallasamudram	
Area (ha)	11,654	2,13,066	43,192

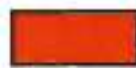

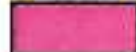
# WATER HOLDING CAPACITY NAMAKKAL DISTRICT



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

## LEGEND

-  LOW
-  MEDIUM
-  HIGH

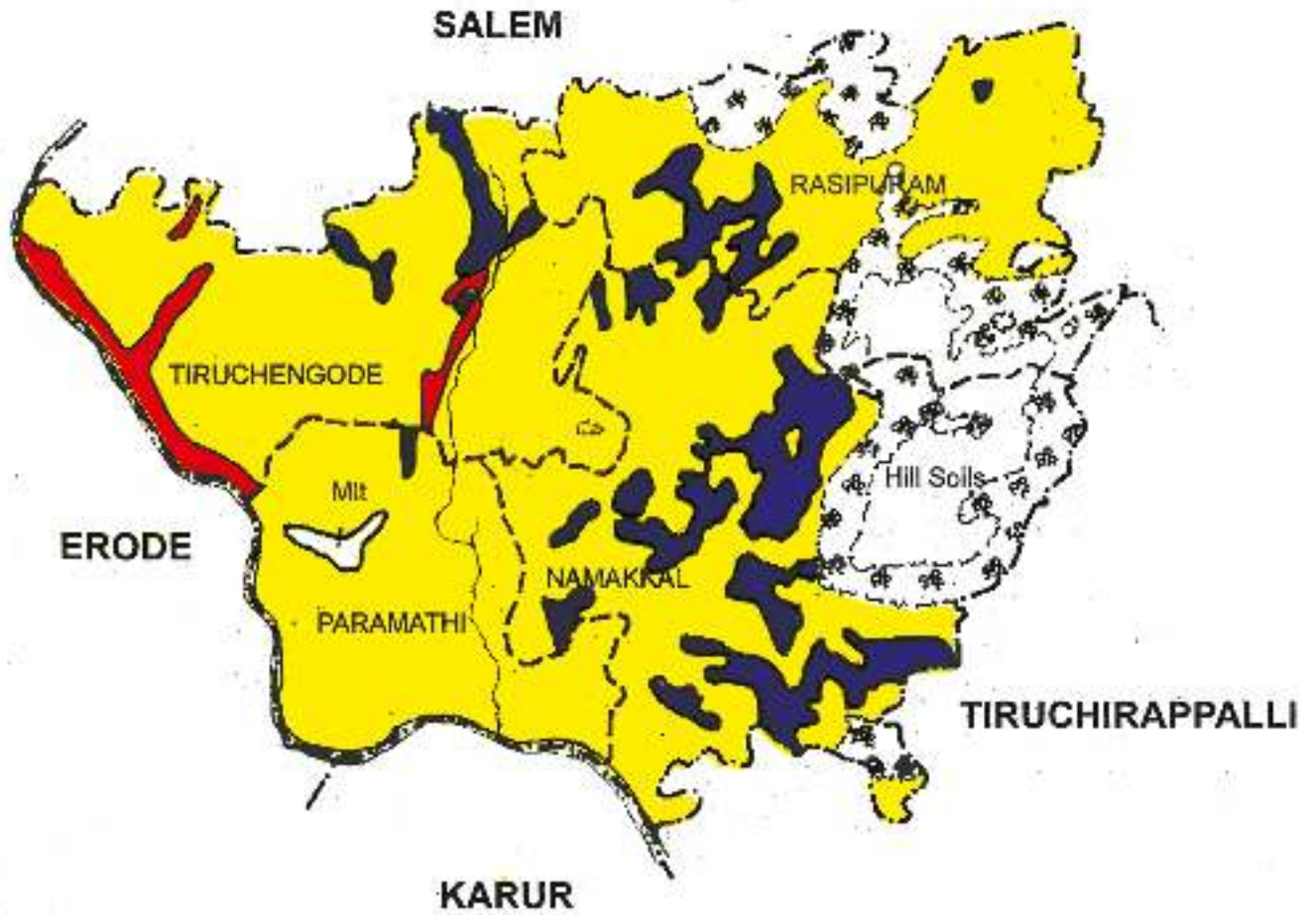
## EROSION

<b>Slight</b>		<b>Moderate</b>	
Pilamedu Mallasamudram		Irugur Tulukkanur Somayyanur Upparapatti Pallipalayam Chittalandur Pichanur Palladam Palathurai Vellalur	
Area (ha)	32,224		2,35,688





# EROSION NAMAKKAL DISTRICT



## REFERENCE

District boundary	-----
Taluk boundary	-----
Rivers & Gully	
Forest boundary	

## LEGEND

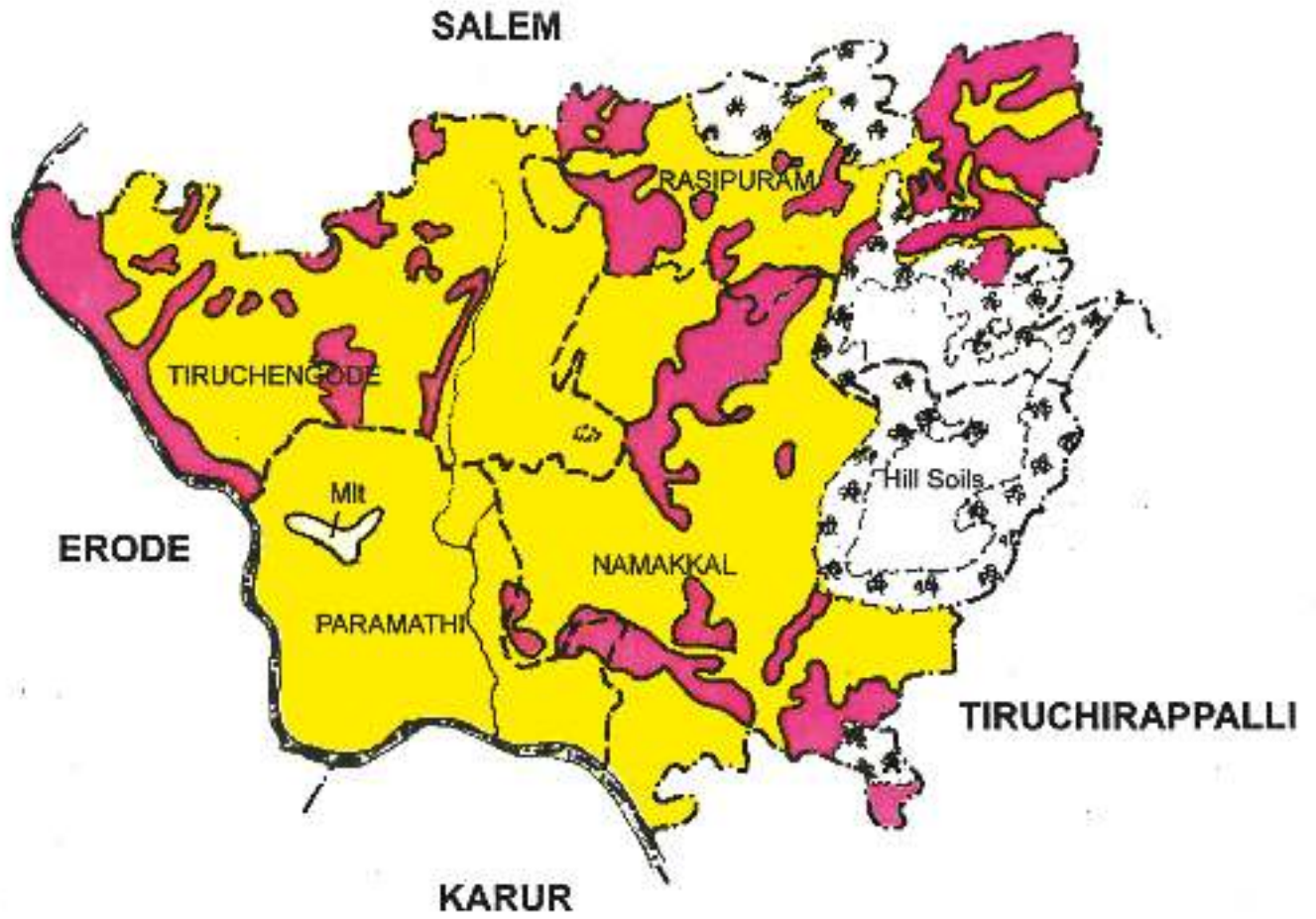
	SLIGHT
	MODERATE
	SEVERE

## CALCAREOUSNESS


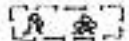
Calcareous		Non - calcareous
Tulukkanur		Irugur
Pilamedu		Pallipalayam
Somayyanur		Chittalandur
Upparapatti		Pichanur
Mallasamudram		Vellalur
Palladam		
Palathurai		
Area (ha)	2,00,262	67,650



# CALCAREOUSNESS NAMAKKAL DISTRICT



## REFERENCE

- District boundary -----
- Taluk boundary - - - - -
- Rivers & Gully 
- Forest boundary 

## LEGEND

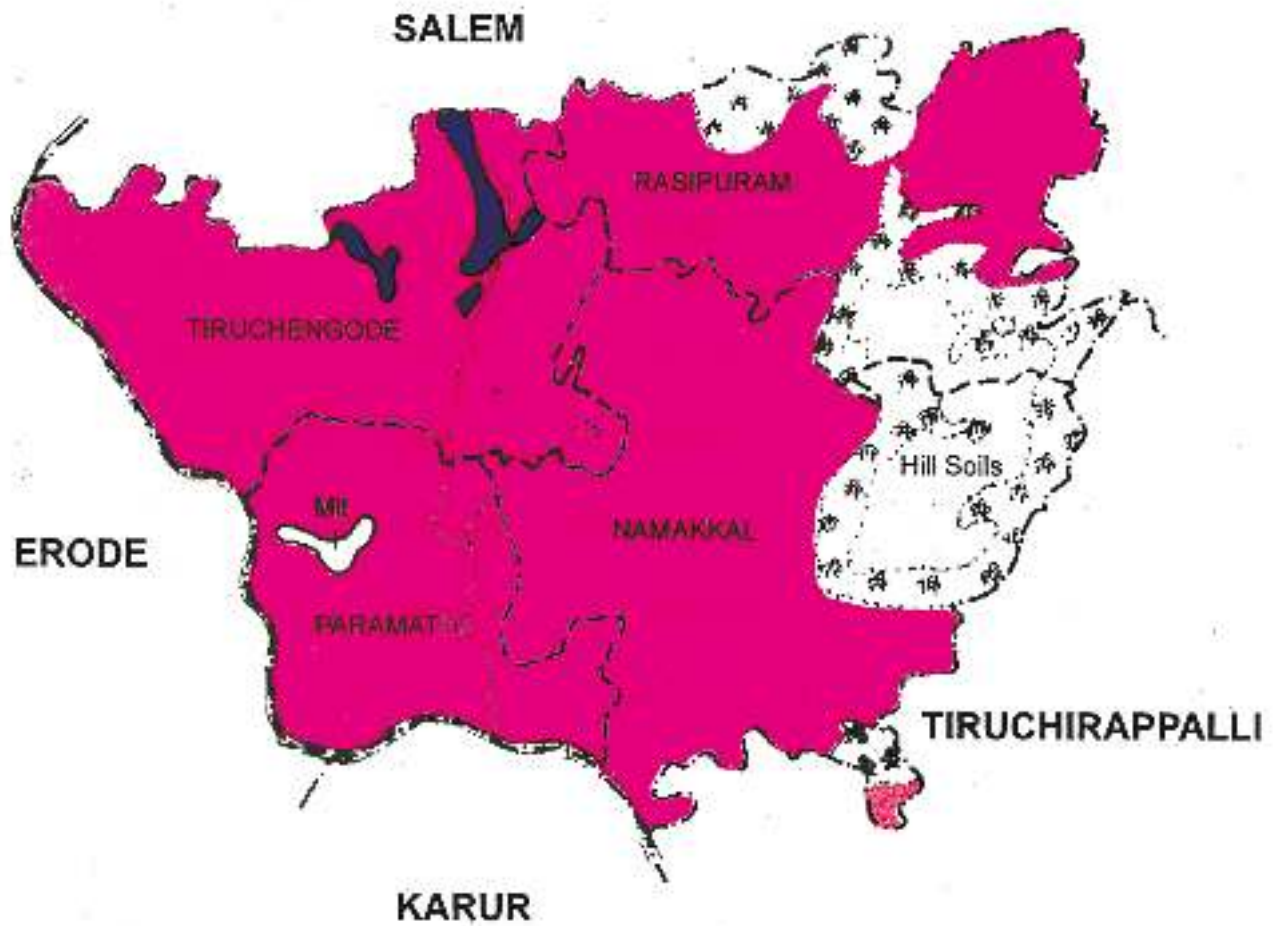
-  CALCAREOUS
-  NON CALCAREOUS

## SALINITY




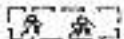
<b>Saline</b>		<b>Non - Saline</b>
Mallasamudram		Irugur Tulukkanur Pilamedu Somayyanur Upparapatti Pallipalayam  Chittalandur Pichanur Palladam Palathurai Vellalur
Area (ha)	1294	266618



# SALINITY NAMAKKAL DISTRICT



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

## LEGEND

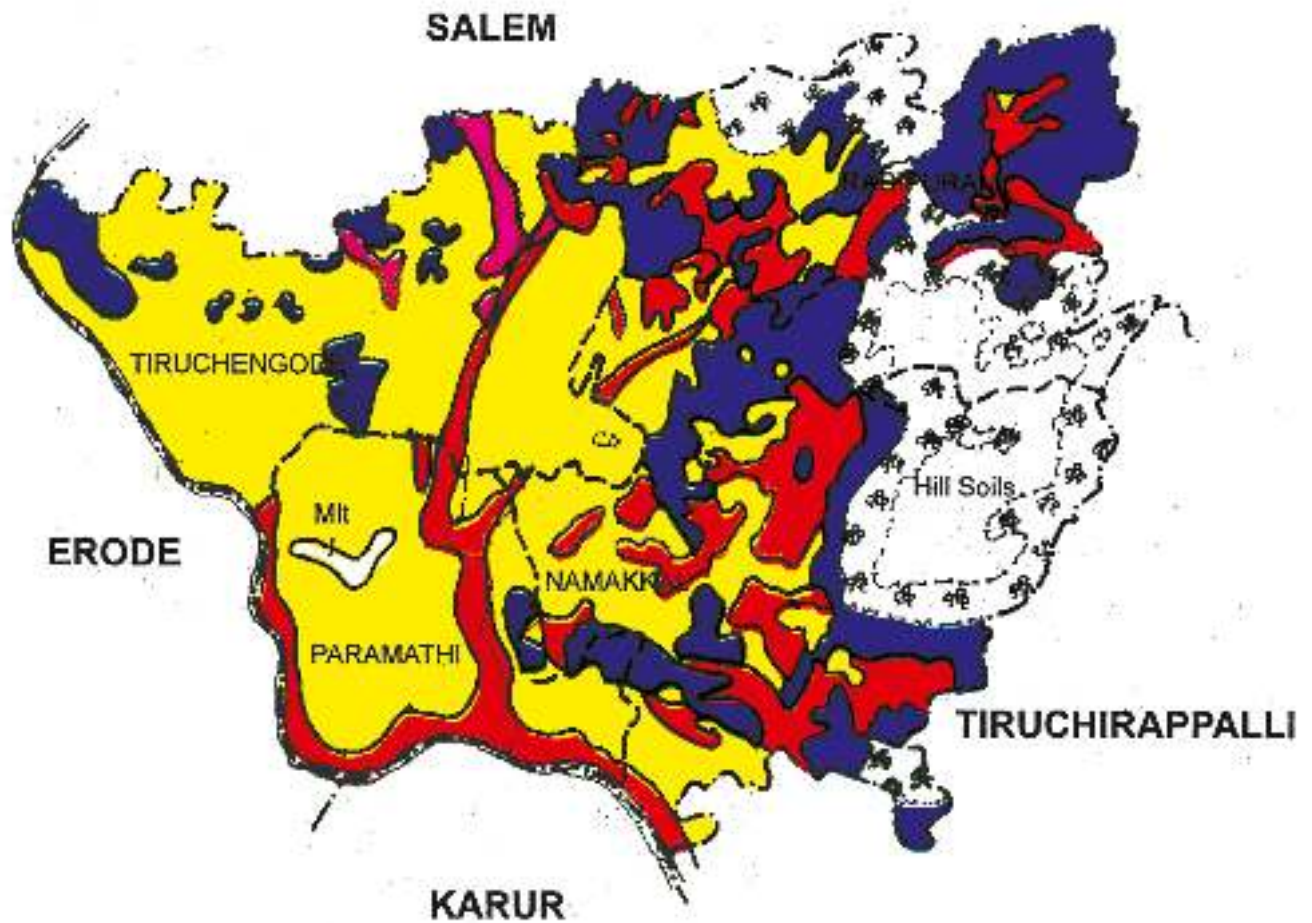
-  SALINE
-  NON SALINE






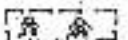
## SOIL REACTION

<b>Neutral</b>	<b>Mildly Alkaline</b>	<b>Moderately Alkaline</b>	<b>Very Strongly Alkaline</b>
6.6 - 7.5	7.6 - 8.0	8.1 - 8.5	Above 9.0
Irugur Somayyanur Chittalandur Vellalur	Tulukkanur Pallipalayam Pichanur Palathurai	Pilamedu Upparapatti Palladam	Mallasamudram
Area (ha) 65,407	1,49,216	51,995	1,294

# REACTION NAMAKKAL DISTRICT



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

## LEGEND

-  NEUTRAL
-  MILDLY ALKALINE
-  MODERATELY ALKALINE
-  STRONGLY ALKALINE

## CATION EXCHANGE CAPACITY




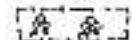
(meq/100g Soil)

<b>Low</b> (Less than 10)	<b>Medium</b> (11 - 25)	<b>High</b> (Above 25)
Tulukkanur Vellalur	Irugur Palathurai Palladam Pichanur Somayyanur Pallipalayam Chittalandur	Pilamedu Upparapatti Mallasamudram
Area (ha) 1,55,130	69,590	43,192




# CATION EXCHANGE CAPACITY NAMAKKAL DISTRICT



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

## LEGEND

-  LOW
-  MEDIUM
-  HIGH

## SOILS

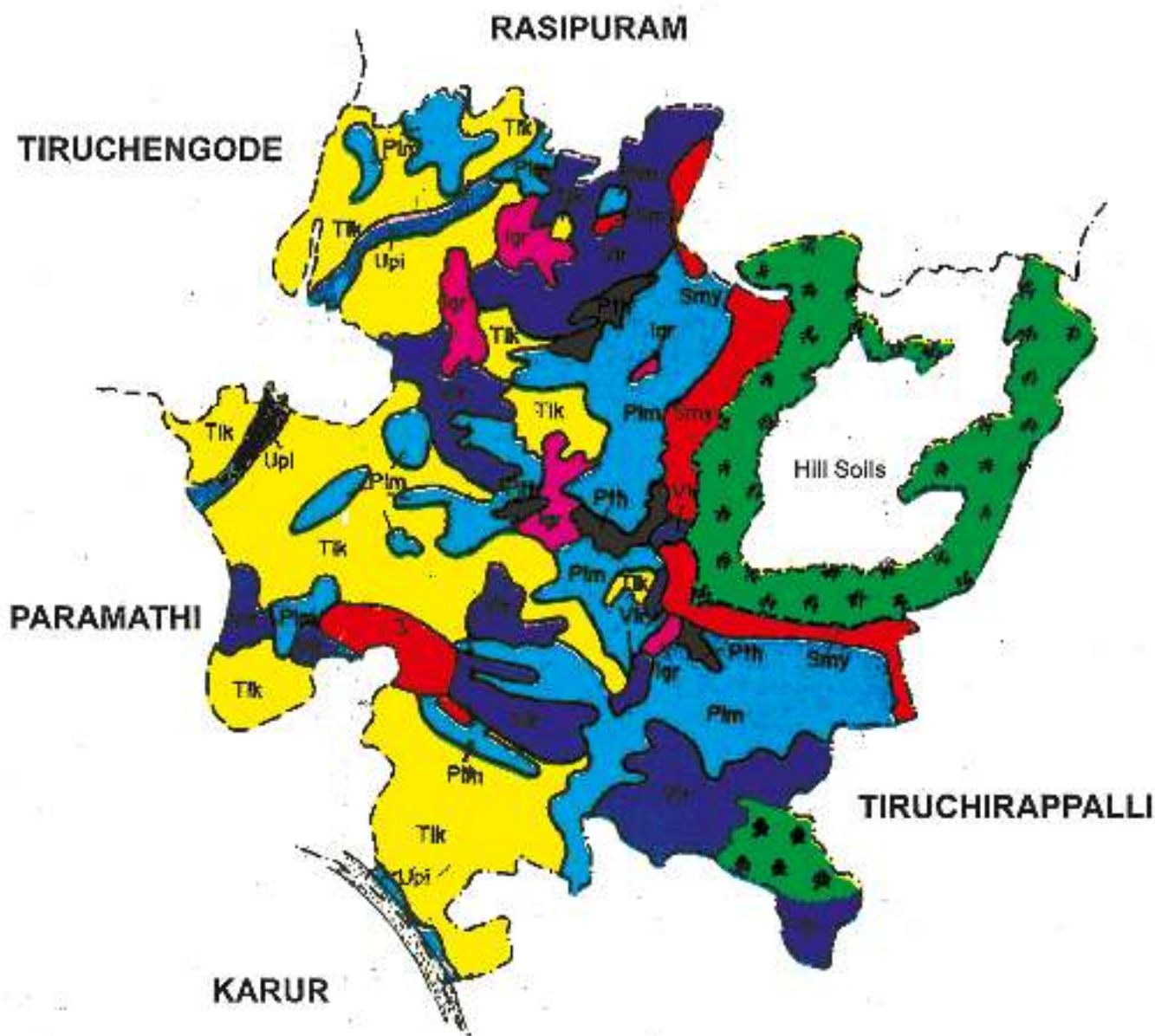
### NAMAKKAL TALUK

S.No.	Soil series	Symbol	Extent	
			(ha)	%
1.	Tulukkanur	Tlk	33,629	25.65
2.	Pilamedu	Plm	25,449	19.41
3.	Vellalur	Vlr	19,651	14.99
4.	Palathurai	Pth	1,634	1.25
5.	Irugur	Igr	3,356	2.56
6.	Somayyanur	Smy	4,397	3.35
7.	Upparapatti	Upi	4,042	3.08
8.	Soil associations	-	1,549	1.18
9.	Hill soils	-	30,674	23.39
10.	Forest & water bodies (unsurveyed)	-	6,742	5.14
<b>Total</b>			<b>1,31,123</b>	<b>100.00</b>





# SOILS NAMAKKAL TALUK



## REFERENCE

- District boundary
- Taluk boundary
- Rivers & Gully
- Forest boundary

## LEGEND

	TULUKKANUR		IRUGUR
	PILAMEDU		SOMAYYANUR
	VELLALUR		UPPARAPATTI
	PALATHURAI		Vlr + Tik

## Village wise fertility status and Soil series

### NAMAKKAL TALUK

S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
1.	Akkiampatti	103	2.7	92	Plm Igr
2.	Belukurichi	103	4.8	81	Vir Smy
3.	Bodinaickenpatti	97	5.0	81	Tik Plm
4.	Echampalli	99	8.2	159	Vir
5.	Elayapuram	101	3.4	75	Tik
6.	Eloor	102	4.1	105	Tik Upi
7.	Erumaipatti	105	4.5	81	Vir Pth
8.	Gajacombai	100	4.1	99	Smy Plm
9.	Jangal Naicken patti	98	4.2	80	Tik
10.	Kadiranallur	98	3.6	102	Plm Vir
11.	Kalangani	93	9.5	136	Igr Vir
12.	Kalppanaicken patti	99	4.8	73	Tik Plm
13.	Kalkurichi	107	5.0	106	Vir Smy
14.	Kalyani	95	4.7	56	Plm Tik
15.	Kandampatti	106	3.6	74	Tik Plm
16.	Kandappanaicken patti	104	3.9	84	Tik Igr
17.	Kannurpatty	95	4.6	77	Plm Tik

S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
18.	Karadipatti	100	5.9	108	Upi Tik
19.	Karaikurichi	106	6.9	128	Igr Tik
20.	Kavakkarapatti	96	3.7	105	Vlr Plm
21.	Lakkapuram	97	4.7	82	Tik Plm
22.	Minnampalli	94	4.7	88	Vlr Tik
23.	Muthanchetty	100	4.9	42	Plm Vlr
24.	Muthugapatti	96	4.9	91	Plm Igr
25.	Naducombai	114	5.2	79	Vlr Smy
26.	Nattamangalam. A.	97	4.5	82	Plm Tik
27.	Nattamanagalam. S.	101	4.8	95	Tik Plm
28.	Navani	103	3.9	98	Tik Upi
29.	Panchudayampatti	102	4.4	69	Tik Plm
30.	Paichal	99	4.6	64	Plm Tik
31.	Palayapalayam. S.	95	5.0	88	Plm Pth
32.	Pallamparai	106	4.3	121	Smy Plm
33.	Pallipatti	103	4.6	70	Smy Vlr
34.	Pappanaicken patti	116	5.4	93	Vlr Plm

S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
35.	Pattireddipatti	102	4.8	89	Plm Pth
36.	Pavithrampudur	95	4.3	67	Plm Tlk
37.	Periakulam	106	4.3	71	Plm lgr
38.	Perumapatti	98	5.0	85	Tlk Plm
39.	Pidaripatti	97	4.4	103	Plm Tlk
40.	Podangam	101	3.7	86	Tlk Upi
41.	Ponneri	96	4.2	88	Vlr Pth
42.	Pottanam	96	4.4	82	Plm Tlk
43.	Puduombai	106	4.3	73	Smy Pth
44.	Pudukottai	102	4.8	106	Vlr Plm
45.	Ramanaickenpatti	110	4.6	85	Tlk
46.	Reddipatti	94	4.9	75	Tlk Plm
47.	Samudram A.K.	100	4.2	89	Plm Tlk
48.	Sellappampatti	104	4.8	77	lgr Tlk
49.	Sendamangalam	98	8.0	125	Plm Tlk
50.	Seventhipatty	91	4.4	73	Vlr Pth
51.	Singala combai	103	3.7	108	Plm Smy



S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
52.	Thalampadi	116	3.8	100	Vlr lgr
53.	Thanathampatti	99	4.7	93	Tlk
54.	Thathaiyangarpatti	99	4.6	81	Tlk Upi
55.	Thathathiripuram	106	4.9	91	Tlk Upi
56.	Thippramadevi	106	4.5	81	Plm Vlr
57.	Thimalaigiri	91	4.5	85	Vlr
58.	Thirumalaipatti	81	4.9	112	Vlr lgr
59.	Thathamudayampatti	95	4.8	84	Plm Smy
60.	Thusur	97	4.9	88	Plm Tlk
61.	Uduppam. A.	104	5.0	80	Tlk lgr
62.	Uduppam. S.	93	3.8	60	Tlk lgr
63.	Uthirakadikaral	114	4.6	76	Plm Smy
64.	Valayanthicombai	100	5.2	102	Smy Plm
65.	Valayapatti. S.	110	8.3	157	Smy Vlr
66.	Vanadaraja palayam	100	9.0	119	Vlr Plm
67.	Varagur	95	5.0	75	Vlr



## LAND CAPABILITY

### NAMAKKAL TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
6,031	Ile	Palathurai Somayyanur	Surface run off and erosion	Soil & water conservation
19,651	IIle	Vellalur	Erosion	Soil & water conservation
29,491	IIIs	Pilamedu Upparapatti	Alkalinity	Improvement of drainage & reclamation
36,985	IIIses	Irugur Tulukkanur	Moderate erosion shallow depth	Soil conservation

#### **Legend**

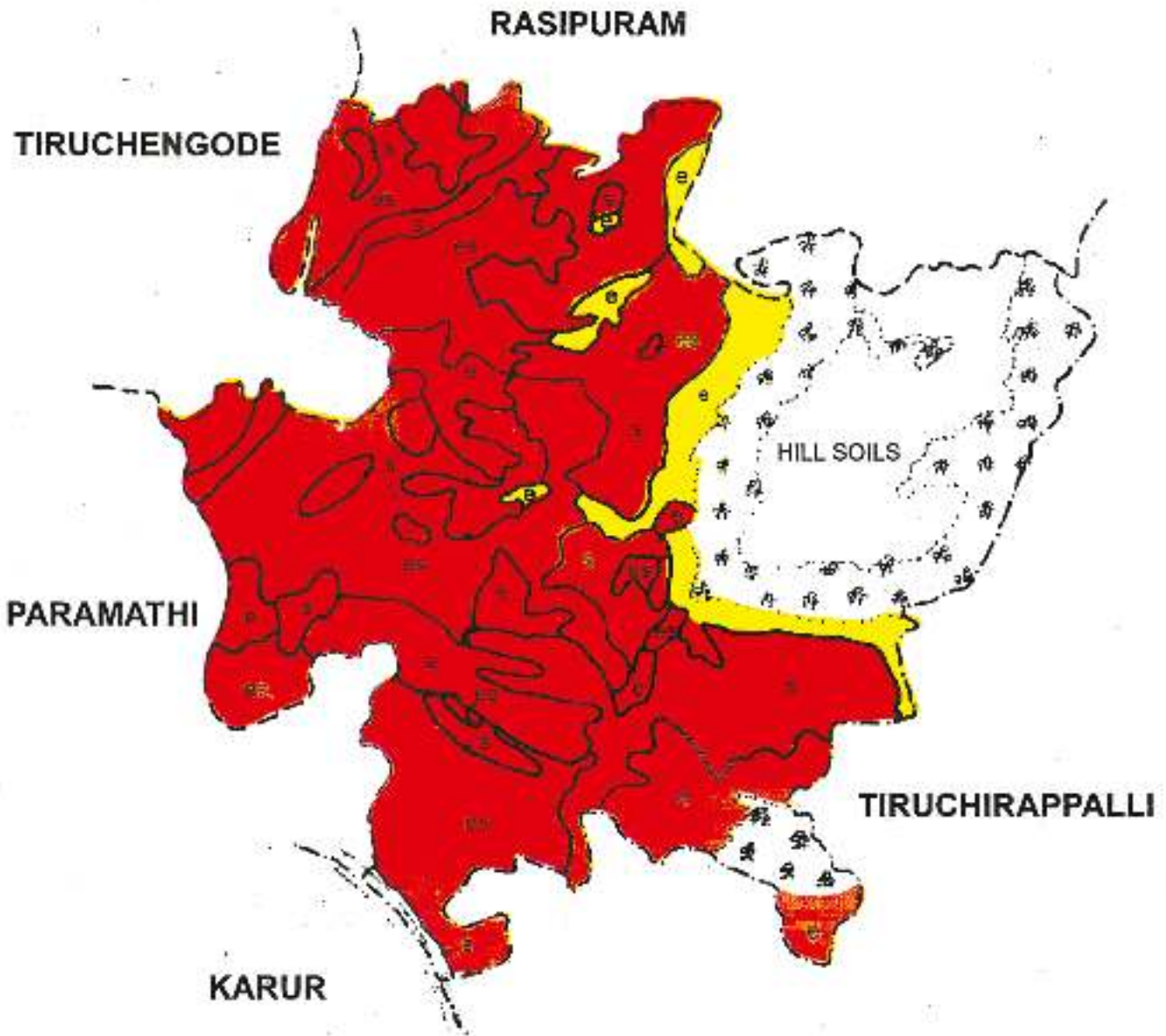
#### **Class**

- II - Good cultivable lands
- III - Moderately good cultivable lands




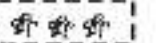
#### **Sub class**

- e - Erosion
- s - Soil limitation



# LAND CAPABILITY NAMAKKAL TALUK



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

## LEGEND

CLASS	SUB CLASS
 GOOD CULTIVABLE LAND	e - EROSION
 MODERATELY GOOD CULTIVABLE LAND	s - SOIL LIMITATIONS

## LAND IRRIGABILITY

### NAMAKKAL TALUK

Area (ha)	Soil series	Irrigability classification	Limitation
5,676	Palathurai Upparapatti	2s	Floods, alkalinity, erosion, stratification
4,397	Somayyanur	2t	Erosion , topography
25,449	Pilamedu	3d	Slow permeability, alkalinity, surface run off
56,636	Irugur Tulukkanur Vellalur	3s	Erosion, shallow depth, coarse fragments, low water holding capacity & topography

#### **Legend**

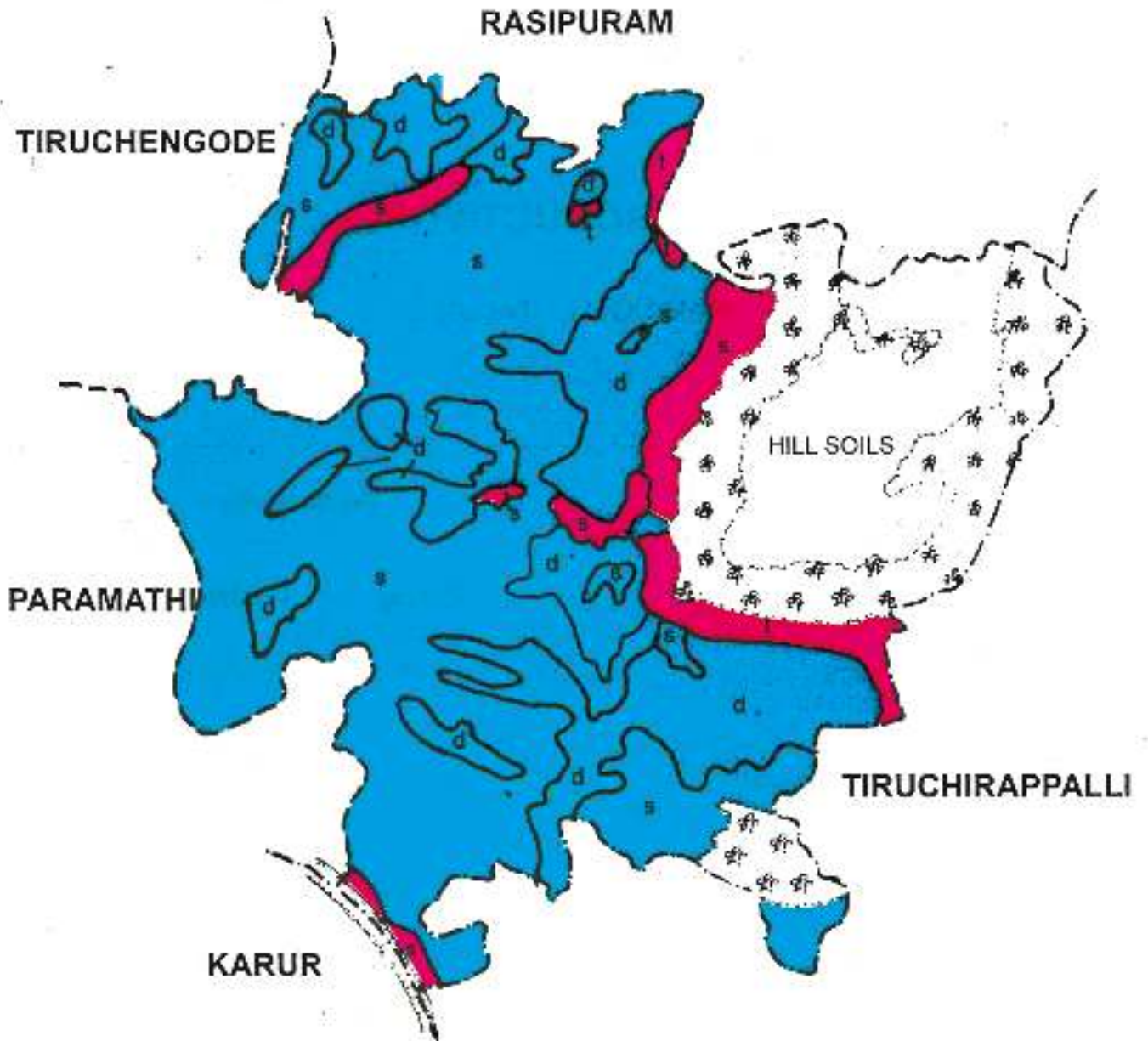
#### **Class**

- 2 - Lands that have moderate soil limitations for sustained use under irrigation.
- 3 - Lands that have severe soil limitations for sustained use under irrigations.

#### **Sub class**

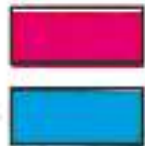
- d - drainage
- s - soil
- t - topography

# LAND IRRIGABILITY NAMAKKAL TALUK



## REFERENCE

- District boundary -----
- Taluk boundary - - - - -
- Rivers & Gully
- Forest boundary



## LEGEND

- | CLASS                | SUB CLASS            |
|----------------------|----------------------|
| MODERATE LIMITATIONS | s - SOIL LIMITATIONS |
| SEVERE LIMITATIONS   | t - TOPOGRAPHY       |
|                      | d - DRAINAGE         |



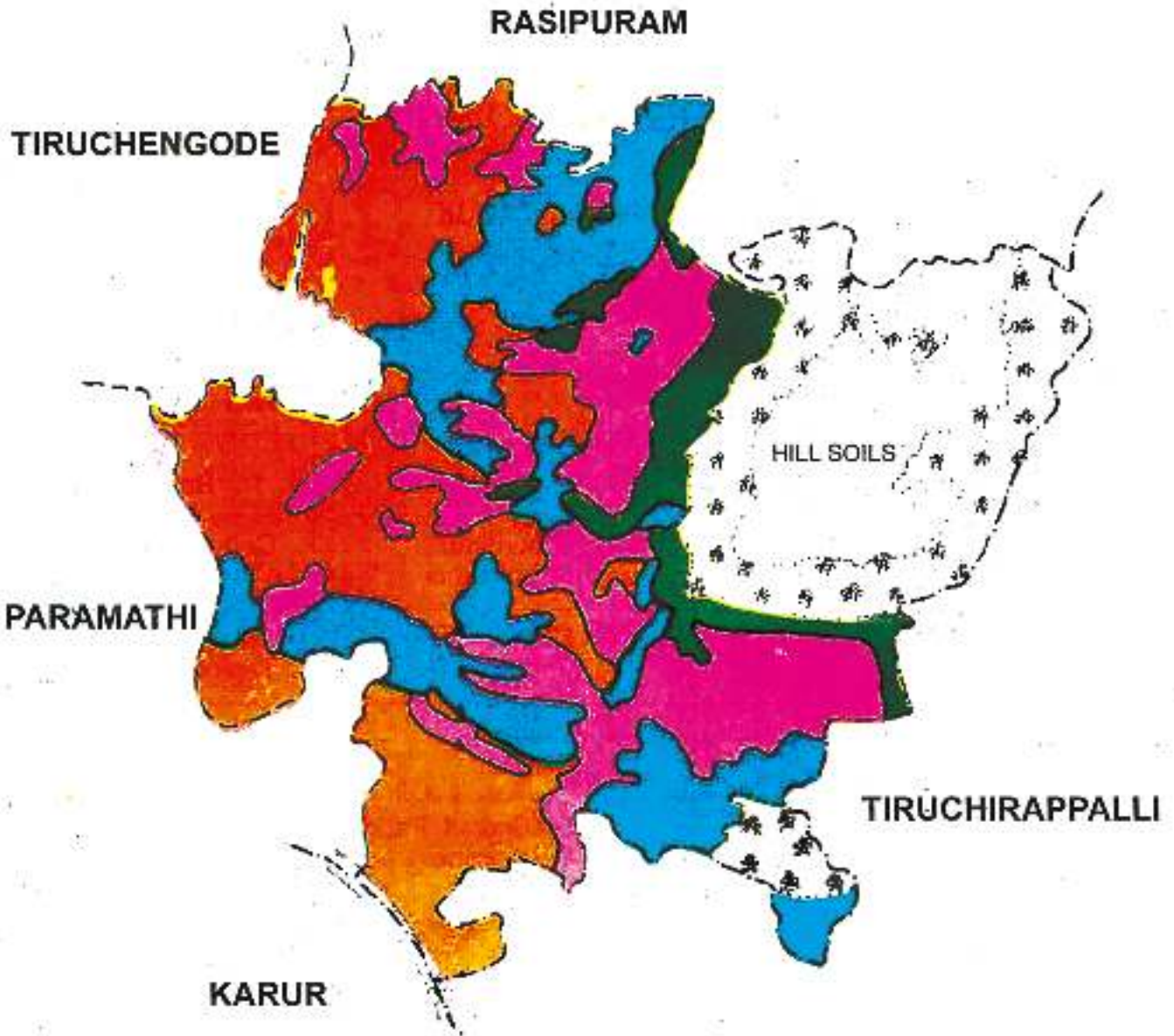
## SOIL PRODUCTIVITY

### NAMAKKAL TALUK



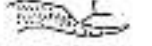
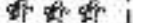
Area (ha)	Soil series	Productivity	
		Rating	Grouping
23,007	Irugur Vellalur	0 - 7	Extremely poor
37,671	Tulukkanur Upparapatti	8 - 19	Poor
25,449	Pilamedu	20 - 34	Average
6,031	Somayyanur Palathurai	35 - 64	Good



# SOIL PRODUCTIVITY NAMAKKAL TALUK



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

## LEGEND

-  GOOD
-  POOR
-  AVERAGE
-  EXTREMELY POOR

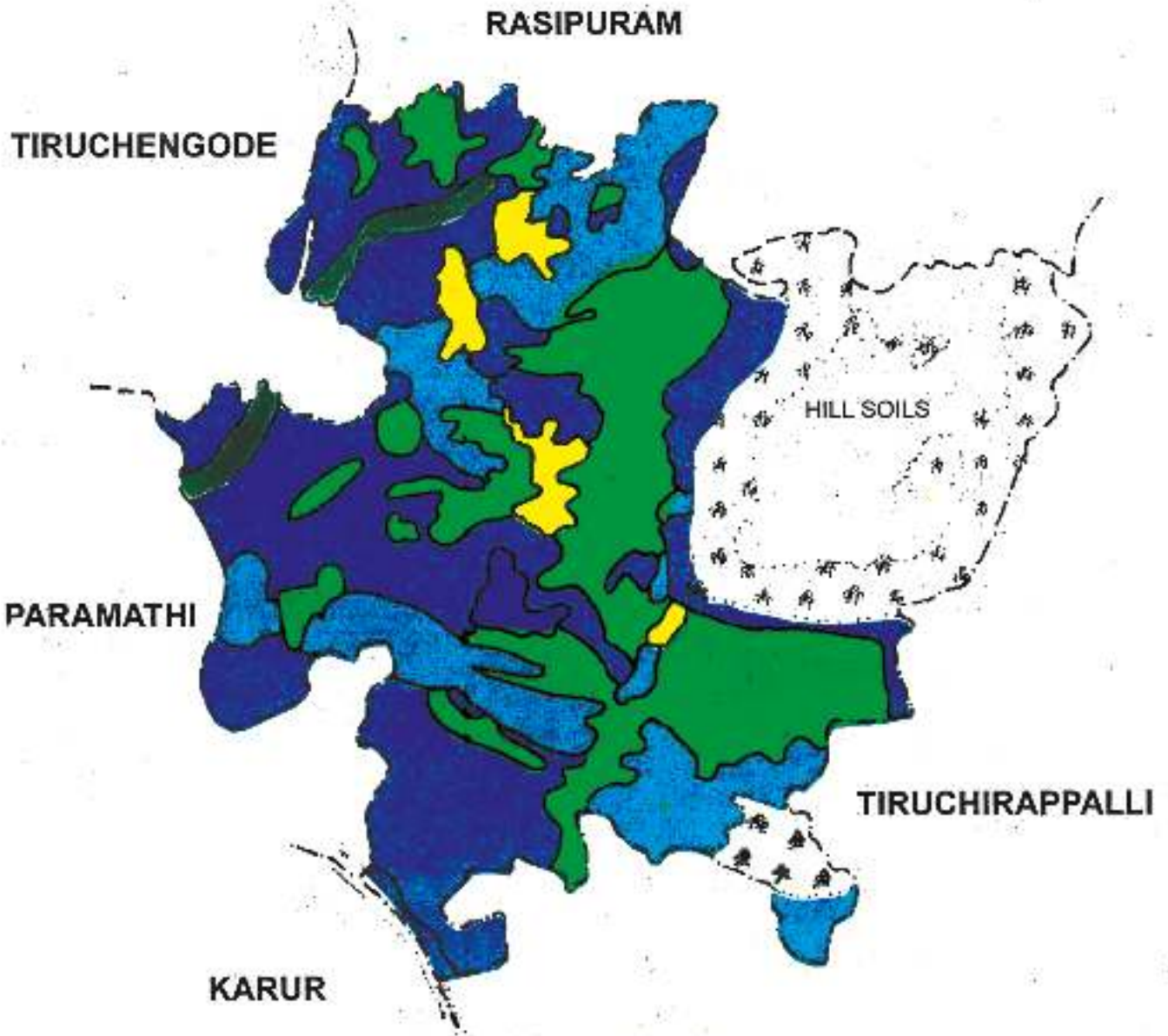
## CROPS CROWN

### NAMAKKAL TALUK




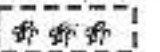
Sl. No.	Soil series	Crops grown	
		Irrigated	Rainfed
1.	Tulukkanur	Groundnut, Sugar cane.	Cotton, Cholam Cumbu.
2.	Pilamedu	Cotton, Paddy.	Cholam, Cumbu Tapioca.
3.	Vellalur	Groundnut, Cholam.	Cumbu, Ragi Tapioca.
4.	Palathurai	Groundnut, Paddy, Sugar cane	Cotton, Tapioca Cholam, Cumbu, Ragi
5.	Irugur	Groundnut	Cholam, Pulses, Groundnut
6.	Somayyanur	Sugar cane, Groundnut.	Cholam, Tapioca Groundnut
7.	Upparapatti	Paddy, Sugar cane.	Millets, Ragi, Cumbu, Cholam






# CROPS GROWN NAMAKKAL TALUK



### REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 
- Forest boundary 

-  - 2
-  - 3
-  - 4

### LEGEND

-  - 5
-  - 6

**SOILS**

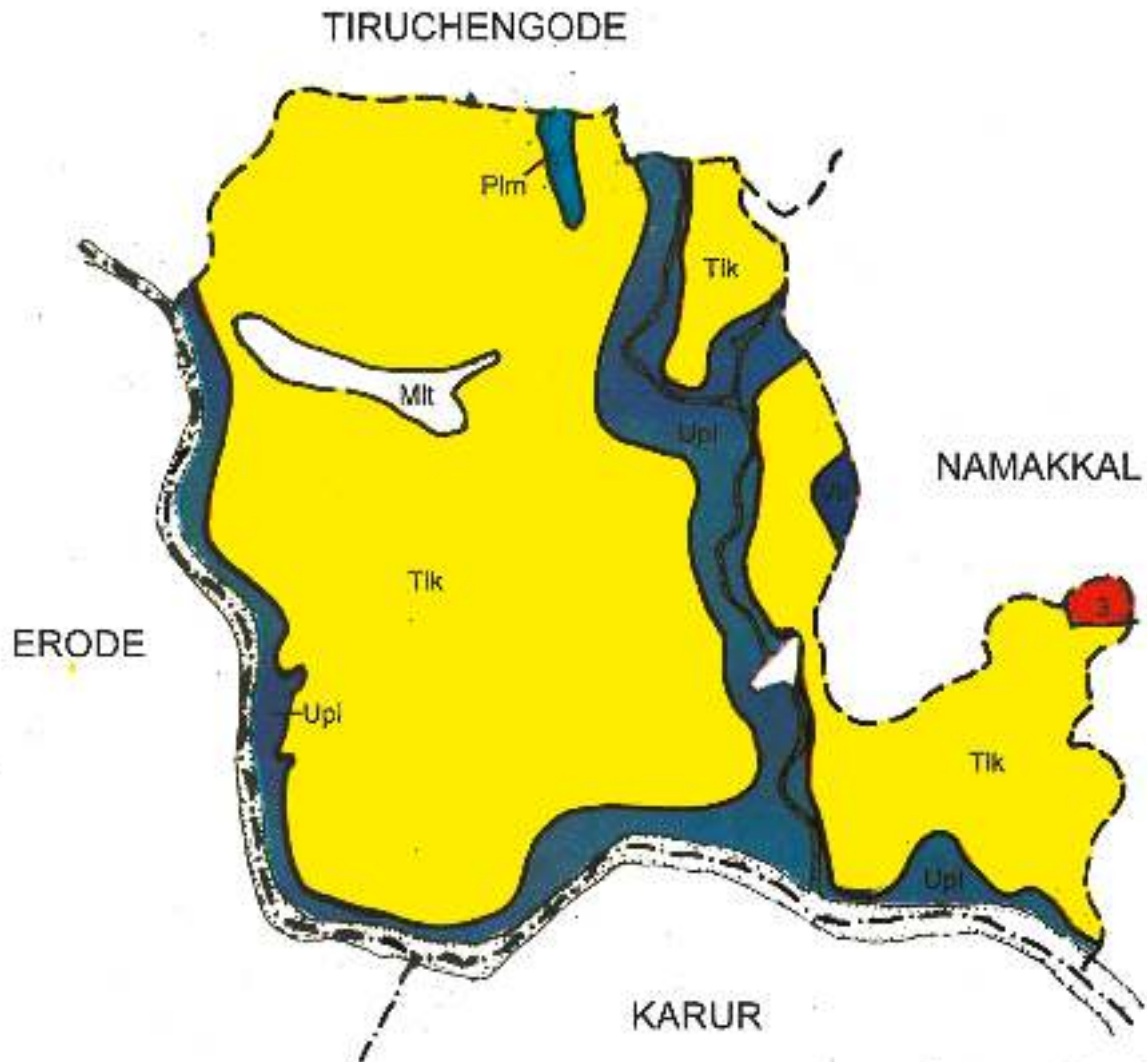
**PARAMATHI TALUK**

S.No.	Soil series	Symbol	Extent	
			(ha)	%
1.	Tulukkanur	Tlk	43,076	82.23
2.	Pilamedu	Plm	325	0.62
3.	Upparapatti	Upi	6,926	13.22
4.	Vellalur	Vlr	433	0.83
5.	Soil Associations	—	650	1.24
7.	Miscellaneous Land Type	MLT	974	1.86
Total			52,384	100.00





# SOILS PARAMATHI TALUK



## REFERENCE

- District boundary
- Taluk boundary
- Rivers & Gully

## LEGEND

- |     |             |     |                         |
|-----|-------------|-----|-------------------------|
| Tik | TULUKKANUR  | Vlr | VELLALUR                |
| Plm | PILAMEDU    | Mit | MISCELLANEOUS LAND TYPE |
| Upl | UPPARAPATTI | 3   | Vir + Tik (VELLALUR)    |



## Village wise fertility status and soil series

### PARAMATHI TALUK

S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
1.	Agrahara Bommalalayam	102	4.5	103	Upi Tlk
2.	Agrahara kondalam	99	4.4	84	Tlk Upi
3.	Anangur	98	4.7	69	Tlk Upi
4.	Andalpuram	99	3.9	69	Tlk Plm
5.	Aniapuram	110	5.5	70	Tlk Plm
6.	Arasanatham	113	4.8	84	Tlk
7.	Ariyur	100	3.9	69	Tlk
8.	Arur	108	4.6	74	Tlk Plm
9.	Daranampalayam	103	3.9	81	Tlk
10.	Devarayasamudram	100	4.9	73	Upi
11.	Elampatty	113	5.0	91	Tlk Upi
12.	Gopanam palayam	99	4.0	79	Tlk Upi
13.	Govindampalayam	110	4.9	93	Tlk
14.	Idumbankulam	94	6.0	67	Upi Tlk
15.	Irukkur	96	4.9	76	Tlk
16.	Iruttanai	97	5.0	94	Tlk Upi
17.	Kaliapalayam	95	4.4	72	Tlk
18.	Kavilakurichi	105	4.8	96	Tlk
19.	Kodur	100	4.1	68	Tlk Upi
20.	Kolaram	105	4.6	60	Tlk Pth

S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
21.	Komarapalayam	110	4.9	98	Upi
22.	Komaripalayam	96	4.1	87	Tlk
23.	Kondalam. S.	99	4.4	84	Tlk Upi
24.	Kothamangalam	165	4.1	88	Tlk Upi
25.	Kottalamparai	108	4.3	75	Tlk
26.	Kudacheri	122	4.3	203	Upi Tlk
27.	Kunnamalai	105	4.4	101	Tlk
28.	Kunnathur	105	4.3	82	Tlk
29.	Kuperikapalayam	108	4.6	87	Tlk
30.	Kurumbalamatadevi	100	4.4	109	Tlk Upi
31.	Lathuvadi	105	4.0	81	Vlr Plm
32.	Madakasampatti	96	4.4	61	Tlk
33.	Malsothampur	102	4.7	92	Tlk Upi
34.	Manapalli	108	5.5	69	Tlk Upi
35.	Manianur	102	5.0	87	Tlk
36.	Manickanatham	100	5.1	107	Tlk
37.	Mettupatti	102	4.6	85	Vlr
38.	Mohanur	102	4.9	74	Tlk
39.	Nadanthai	100	4.1	113	Upi Tlk
40.	Nallur	102	4.4	65	Tlk

S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
41.	Nanjai Idaiyur	113	5.0	82	Tlk Upi
42.	Oruvandur	98	5.0	80	Tlk Upi
43.	Pandamangalam	115	5.1	78	Upi
44.	Parali	103	4.6	68	Tlk Plm
45.	Paramathi	96	5.0	113	Tlk Upi
46.	Perumkurichi	106	4.8	95	Tlk
47.	Peramandapalayam	100	3.9	79	Tlk
48.	Periasolipalayam	102	4.4	84	Tlk
49.	Pettapalayam	101	6.0	99	Tlk Upi
50.	Pillakadathur	106	4.9	112	Tlk Upi
51.	Pillur	97	5.4	85	Tlk Upi
52.	Pirandagam	114	4.4	115	Tlk Upi
53.	Pothanur	101	4.4	79	Tlk Upi
54.	Pudupatti	109	4.9	82	Plm Tlk
55.	Punjai Idaiyur	106	5.0	69	Tlk Upi
56.	Ramadavam	99	3.9	69	Tlk Upi
57.	Rasipalayam	102	6.0	102	Tlk Upi
58.	Seerapalli	96	5.2	111	Tlk

S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
59.	Sellur	99	5.0	75	Tlk
60.	Sengapalli	107	4.7	77	Tlk Upi
61.	Serukkalai	71	4.0	93	Tlk Upi
62.	Sethampoondi	100	5.5	96	Tlk
63.	Sirunalli koil	119	3.6	82	Tlk
64.	Solasiramai	100	4.3	85	Tlk
65.	Sullipalayam	109	4.8	93	Tlk
66.	Sengakarambadi	103	5.2	107	Tlk Upi
67.	Thalamalai	107	4.0	91	Vlr
68.	Thendumal	115	4.0	88	Tlk
69.	Tholur	104	4.1	77	Tlk
70.	Vadakarai	102	4.7	51	Tlk Upi
71.	Vadavathur	98	4.1	83	Vlr
72.	Valavanthi. A.	99	3.0	94	Vlr
73.	Valavanthi. S.	107	4.8	109	Tlk Upi
74.	Valayapatti	81	4.6	49	Vlr Plm
75.	Vasanthapuram	105	4.0	100	Vlr Tlk
76.	Veeranampalayam	76	2.6	84	Tlk
77.	Vengarai	113	4.9	87	Tlk Upi
78.	Villipalayam	94	5.1	98	Tlk Upi

## LAND CAPABILITY

### PARAMATHI TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
433	III e	Vellalur	Erosion	Soil & water conservation
7,251	III s	Pilamedu Upparapatti	Alkalinity	Improvement of drainage & reclamation
43,076	III es	Tulukkanur	Moderate erosion shallow depth	Soil conservation

#### **Legend**

#### **Class**

III - Moderately good cultivable lands

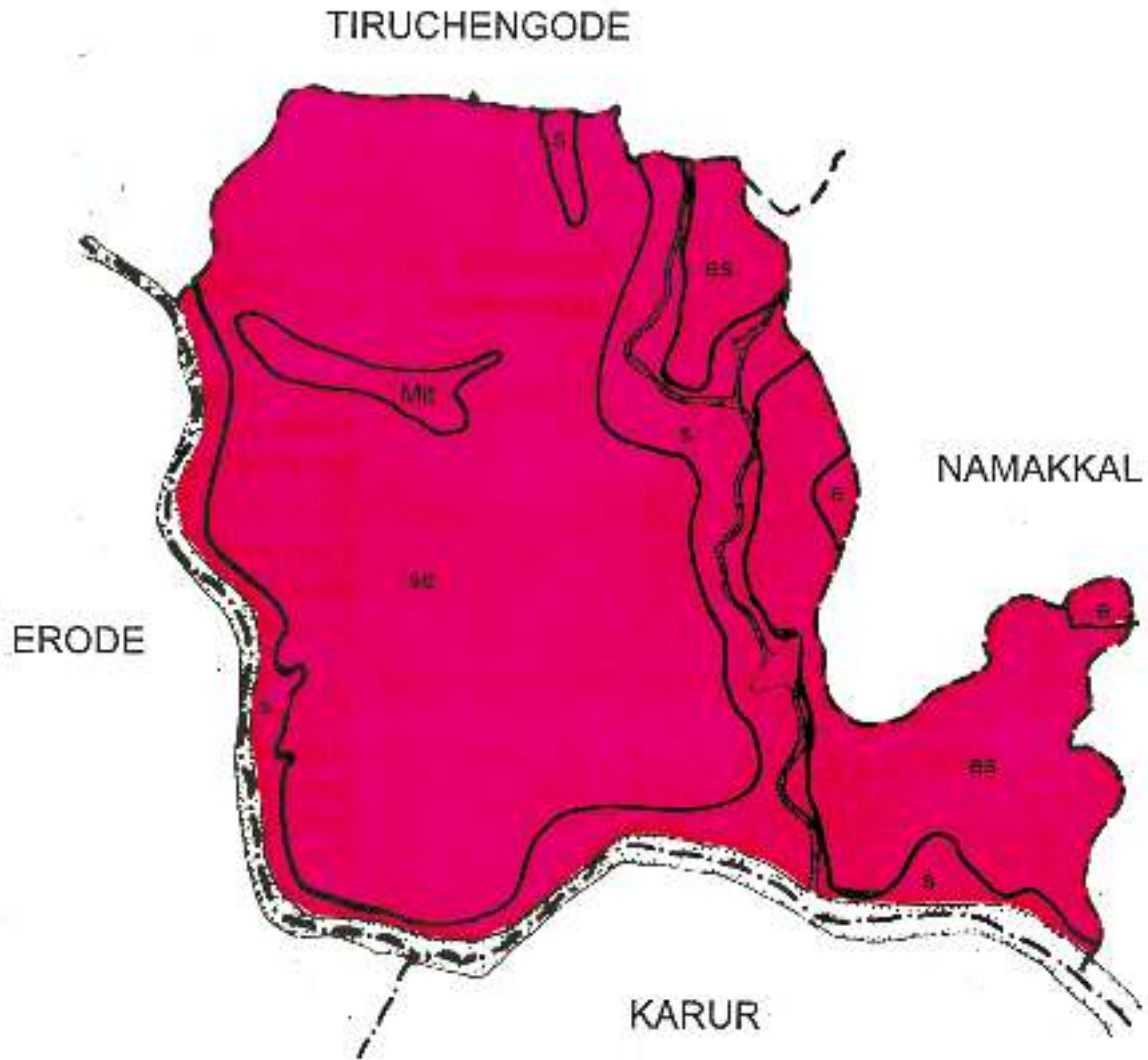
#### **Sub class**

e - erosion



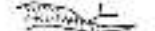
s - soil limitation



# LAND CAPABILITY PARAMATHI TALUK




## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

## LEGEND

### CLASS

 MODERATELY GOOD  
CULTIVABLE LAND

### SUB CLASS

- e - EROSION
- s - SOIL LIMITATIONS

## LAND IRRIGABILITY

### PARAMATHI TALUK

Area (ha)	Soil series	Irrigability Classification	Limitation
6,926	Upparapatti	2s	Flood control, alkalinity, erosion, stratification
325	Pilamedu	3d	Slow permeability, alkalinity, surface run off
43,509	Tulukkanur, Vellalur.	3s	Erosion, shallow depth, coarse fragments, low water holding capacity & topography

#### **Legend**

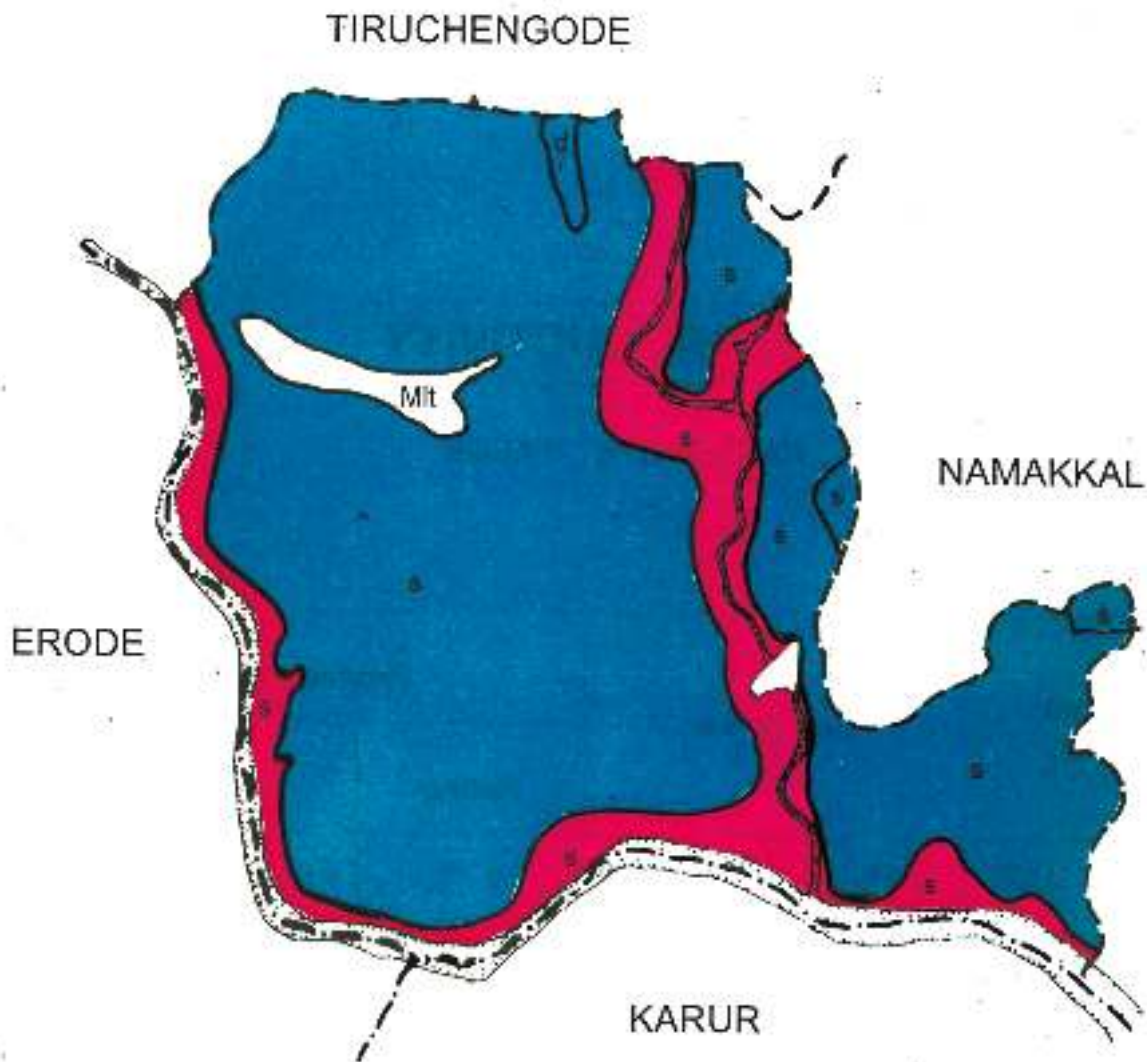
##### **Class**

- 2 - Lands that have moderate soil limitations for sustained use under irrigation.
- 3 - Lands that have severe soil limitations for sustained use under irrigation.




##### **Sub class**

- s - Soil
- d - drainage



# LAND IRRIGABILITY PARAMATHI TALUK



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

## LEGEND

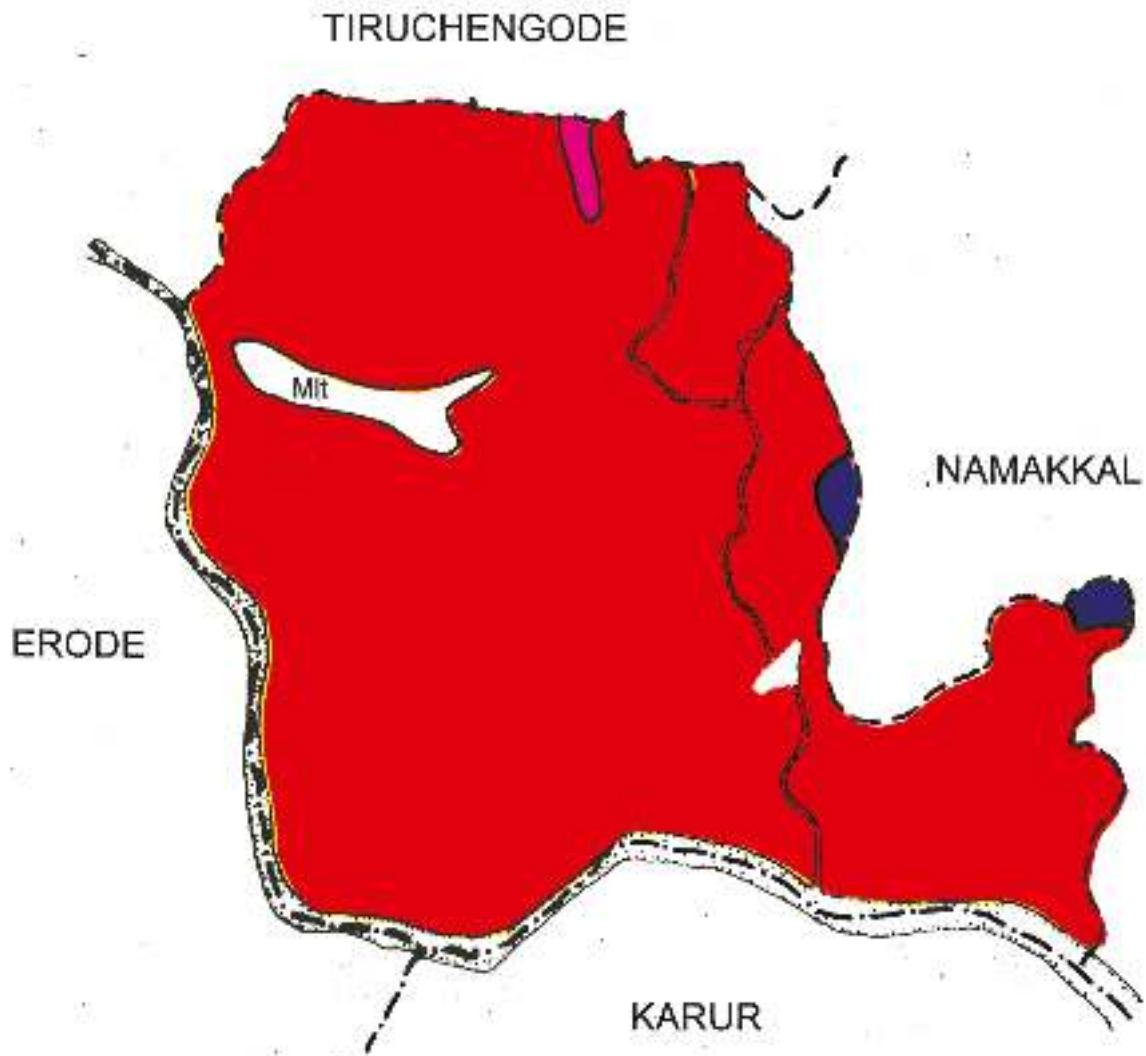
CLASS	SUB CLASS
 MODERATE LIMITATIONS	s - SOIL LIMITATIONS
 SEVERE LIMITATIONS	d - DRAINAGE

## SOIL PRODUCTIVITY




### PARAMATHI TALUK

Area (ha)	Soil series	Productivity	
		Rating	Grouping
433	Vellalur	0 - 7	Extremely poor
50,002	Tulukkanur Upparapatti	8 - 19	Poor
325	Pilamedu	20 - 34	Average

# SOIL PRODUCTIVITY PARAMATHI TALUK



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

## LEGEND

-  AVERAGE
-  POOR
-  EXTREMELY POOR



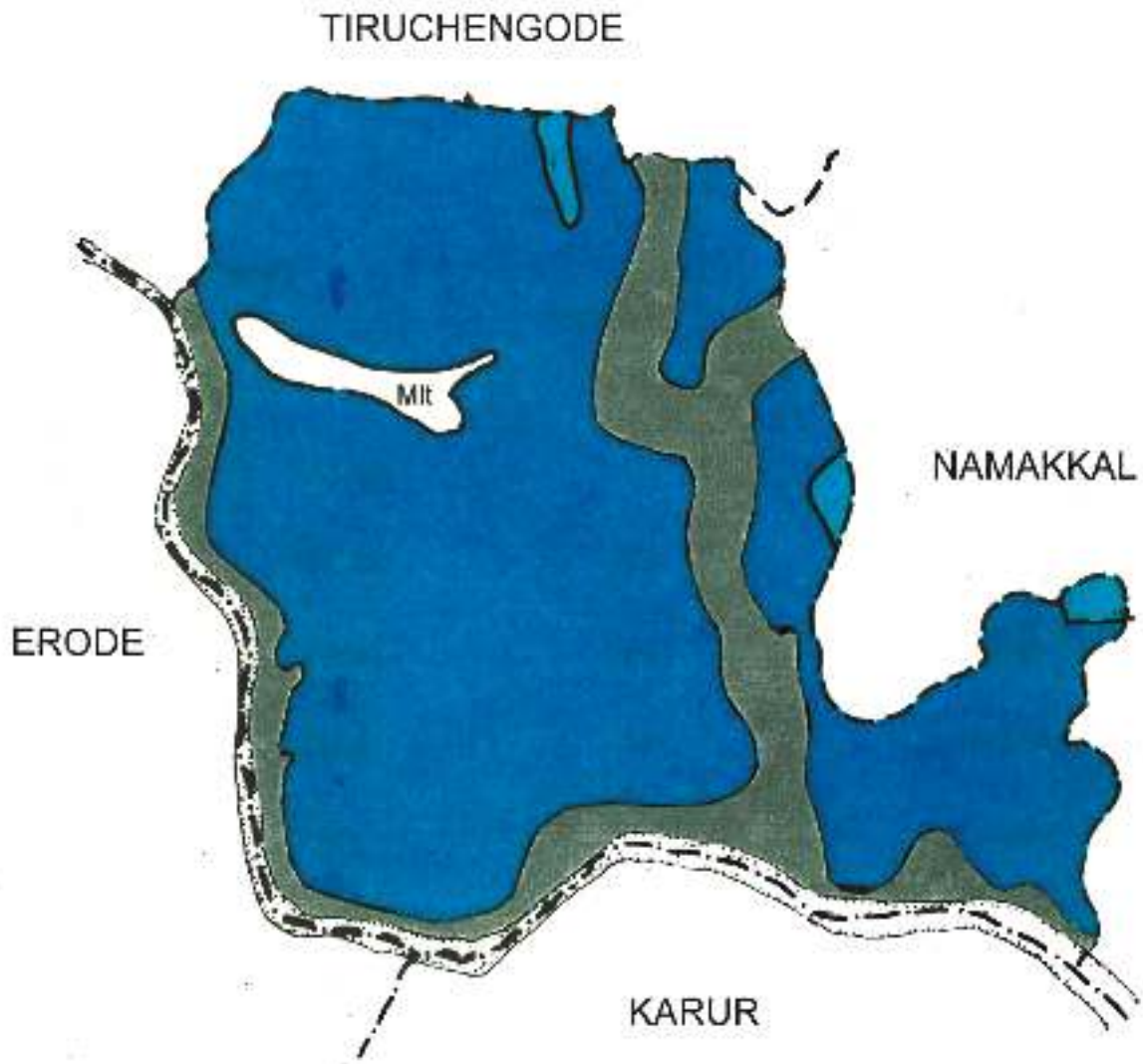
## CROPS GROWN

### PARAMATHI TALUK



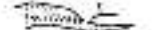
Sl. No.	Soil series	Crops grown	
		Irrigated	Rainfed
1.	Tulukkanur	Sugar cane	Cotton, Cumbu Cholam Groundnut
2.	Upparapatti	Paddy Sugar cane	Millets, Ragi Cumbu, cholam
3.	Vellalur	Groundnut Cholam	Cotton, Cumbu, Ragi, Millets, Tapioca
4.	Pilamedu	Cotton Paddy Sugar cane	Cholam Cumbu Tapioca Cotton Groundnut



# CROPS GROWN PARAMATHI TALUK



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

## LEGEND

- |   |     |   |     |
|---|-----|---|-----|
|  | - 2 |  | - 4 |
|  | - 3 |  | - 5 |

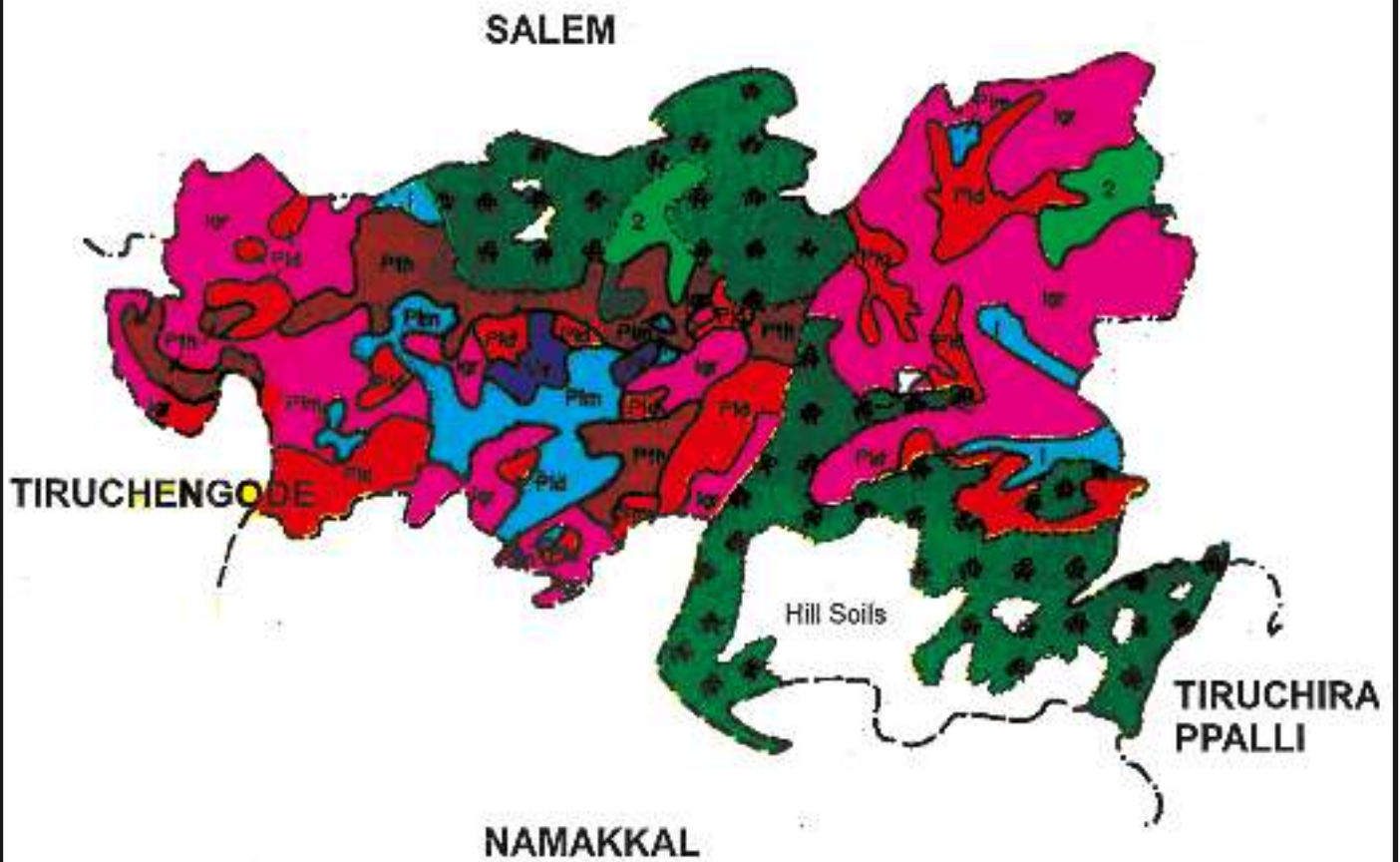
## SOILS

### RASIPURAM TALUK


S. No.	Soil series	Symbol	Extent	
			(ha)	%
1.	Irugur	Igr	24,864	30.42
2.	Palladam	Pld	10,097	12.35
3.	Palathurai	Pth	6,544	8.01
4.	Pilamedu	Plm	5,156	6.30
5.	Vellalur	Vlr	850	1.04
6.	Pichanur	Pch	550	0.67
7.	Somayyanur	Smy	202	0.25
8.	Hill soils	—	19,248	23.55
9.	Soil associations	—	4,464	5.46
10.	Forest and water bodies (Unsurveyed)	—	9,773	11.95
<b>Total</b>			<b>81,748</b>	<b>100.00</b>



# SOILS RASIPURAM TALUK



## REFERENCE

- District boundary -----
- Taluk boundary - - - - -
- Forest boundary 

	IRUGUR
	PALLADAM
	PALATHURAI
	PILAMEDU
	VELLALUR

## LEGEND

	PICHANUR
	SOMAYANUR
	Pld + Pth
	Smy + Pth

## Village wise fertility status and soil series

### RASIPURAM TALUK

S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
1.	Alampatti	121	4.4	75	Pth lgr
2.	Alavaipatti	104	5.9	78	Pld Pth
3.	Akkaraipatti	105	4.2	79	Pld Pth
4.	Anaikattipalayam	109	3.6	77	lgr Pld
5.	Anaipalayam	109	4.2	104	Pld lgr
6.	Anandagoundapalayam	104	7.0	78	lgr Pld
7.	Andagalur	91	3.9	72	Pld
8.	Ariyagoundampatti	95	2.9	68	Pld lgr
9.	Athanur	101	5.5	93	lgr Pth
10.	Ayeepalayam. A.	100	4.3	76	Pth lgr
11.	Ayeepalayam. P.	85	5.5	64	Pld
12.	Ayilpatti	112	5.6	115	lgr Pld
13.	Cedamalai	109	3.7	87	Smy Pth
14.	Chandasekarapuram Agraharam	81	7.7	45	Plm lgr
15.	Chinnakka palayam	113	5.2	112	lgr
16.	Chinna Sekkadi	125	5.3	137	Pld
17.	Elapalayam	99	3.4	75	Pld Pch
18.	Eswaramoorthipalayam	68	3.9	72	lgr Pld
19.	Jedarpalayam. O.	95	3.9	74	Pth Plm
20.	Kakkaveri	110	4.1	113	Plm lgr



S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
21.	Kallankulam	126	3.6	82	Pth Plm
22.	Kariyampatti	105	8.2	115	Pld
23.	Karkodalpatti	96	4.9	97	Igr Pld
24.	Karukkapuram	113	4.2	100	Pld
25.	Kattanachampatti	131	8.1	76	Igr Pth
26.	Keeranur	105	3.6	79	Pth Pld
27.	Kolakkanedu	109	4.8	149	Igr
28.	Kornarapalayam	98	3.6	95	Pld
29.	Koneripatti	104	4.0	109	Plm
30.	Koonaveiampatti	108	6.2	151	Igr Plm
31.	Koppampatti	107	4.3	89	Pld
32.	Kumarapalayam	98	3.6	95	Igr Pld
33.	Kuttaladampatti	108	3.9	76	Pth Smy
34.	Madiampatti	100	3.6	91	Pld Igr
35.	Malayampalayam	105	3.8	77	Pth Smy
36.	Malayampatti	91	4.0	81	Pth Pch
37.	Mangalapuram	99	7.4	82	Pld Igr
38.	Mathurutu	98	7.2	122	Smy Pth
39.	Mathuvelampatti	94	4.9	101	Igr Pld
40.	Mevar	99	5.4	103	Igr Pld
41.	Mianakkal Agraharam	101	3.6	100	Igr
42.	Minnakkal	104	3.8	75	Igr
43.	Molapalayam	84	3.8	85	Plm Pld
44.	Moolaikurichi	96	4.9	96	Igr

S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
45.	Moolaipallipatti	121	5.9	97	Pth Pld
46.	Molakkadu	95	4.8	96	Igr Pld
47.	Moolakkadu	113	4.7	93	Plm Pld
48.	Mullukurichi	107	11.1	71	Pld Igr
49.	Murungapatti	107	4.9	89	Igr
50.	Muthukalipatty	104	4.5	91	Igr Pld
51.	Nachipatti	130	4.0	83	Igr
52.	Nadupatti	95	4.1	64	Pld Pth
53.	Namagiripet	96	4.7	106	Pld Igr
54.	Naraikinar	94	4.1	95	Igr Pld
55.	Navalpatti	104	5.4	111	Igr
56.	Odurankurichi	96	5.1	101	Pth Pch
57.	Pachidayagoundapatti	107	3.7	80	Igr
58.	Pachidayampalayam . O.	100	4.1	74	Pth Pld
59.	Palanthinipatti	111	4.3	82	Igr Pld
60.	Pallavannaickenpatti	97	3.4	99	Pld Pth
61.	Parasalpatti	106	4.0	84	Pth Igr
62.	Pattanam	104	2.6	80	Vlr Plm
63.	Pattanam Nuniappalayam	115	4.2	94	Pld Vlr
64.	Perappansoli	95	5.5	99	Pld Pth
65.	Periyacombai	111	5.2	106	Pld Pth
66.	Periyakurichi	88	4.1	83	Igr Pld

S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
67.	Periyasekkadai	122	5.0	106	Pld
68.	Perumagoundampalayam	100	4.1	74	Plm
69.	Ponkurichi	105	4.1	76	Pld
70.	Ponparappipatti	96	4.4	92	Igr Pld
71.	Pudupalayam	101	4.4	98	Pth Plm
72.	Pudupatti	118	5.4	109	Pth Smy
73.	Pudurmalayampatti	105	4.8	88	Pth Pch
74.	Pudurpalapatti	97	4.0	76	Pld Pth
75.	Rasipuram	105	4.5	61	Plm Igr
76.	Seerapalli	103	9.8	72	Plm Pld
77.	Semmandapatti	93	4.9	104	Igr Pld
78.	Singalandapuram	81	7.7	45	Plm Pld
79.	Sowthapuram	108	4.3	74	Pth Igr
80.	Thengalpalayam	106	4.6	99	Pth Plm
81.	Thimmanaickenpatti	87	5.3	78	Igr
82.	Thojedarpalayam	98	4.2	84	Igr Pld
83.	Thopachidaiyampalayam	100	3.9	80	Igr Pld
84.	Thoppapatti	94	5.2	90	Pth Plm
85.	Thottiapatti	71	3.9	64	Igr Pld
86.	Unanathangal	90	3.4	82	Pld Pth
87.	Vadugam	107	4.4	84	Pth Plm
88.	Vadugamuniappalayam	104	3.9	88	Plm Vlr
89.	Varagurcombai	113	3.7	84	Pld
90.	Vellakkalpatti	96	5.3	100	Igr Plm
91.	Vennandur	106	6.5	74	Igr

## LAND CAPABILITY

### RASIPURAM TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
7,296	II e	Palathurai Pichanur Somayyanur	Surface run- off and erosion	Soil & water conservation
850	III e	Vellalur	Erosion	Soil & water conservation
5,156	III s	Pilamedu	Salinity & alkalinity	Improvement of drainage and reclamation
34,961	III es	Palladam Irugur	Moderate erosion, shallow depth	Soil conservation

**Legend**

**Class**

II - Good cultivable lands

III - Moderately good cultivable lands

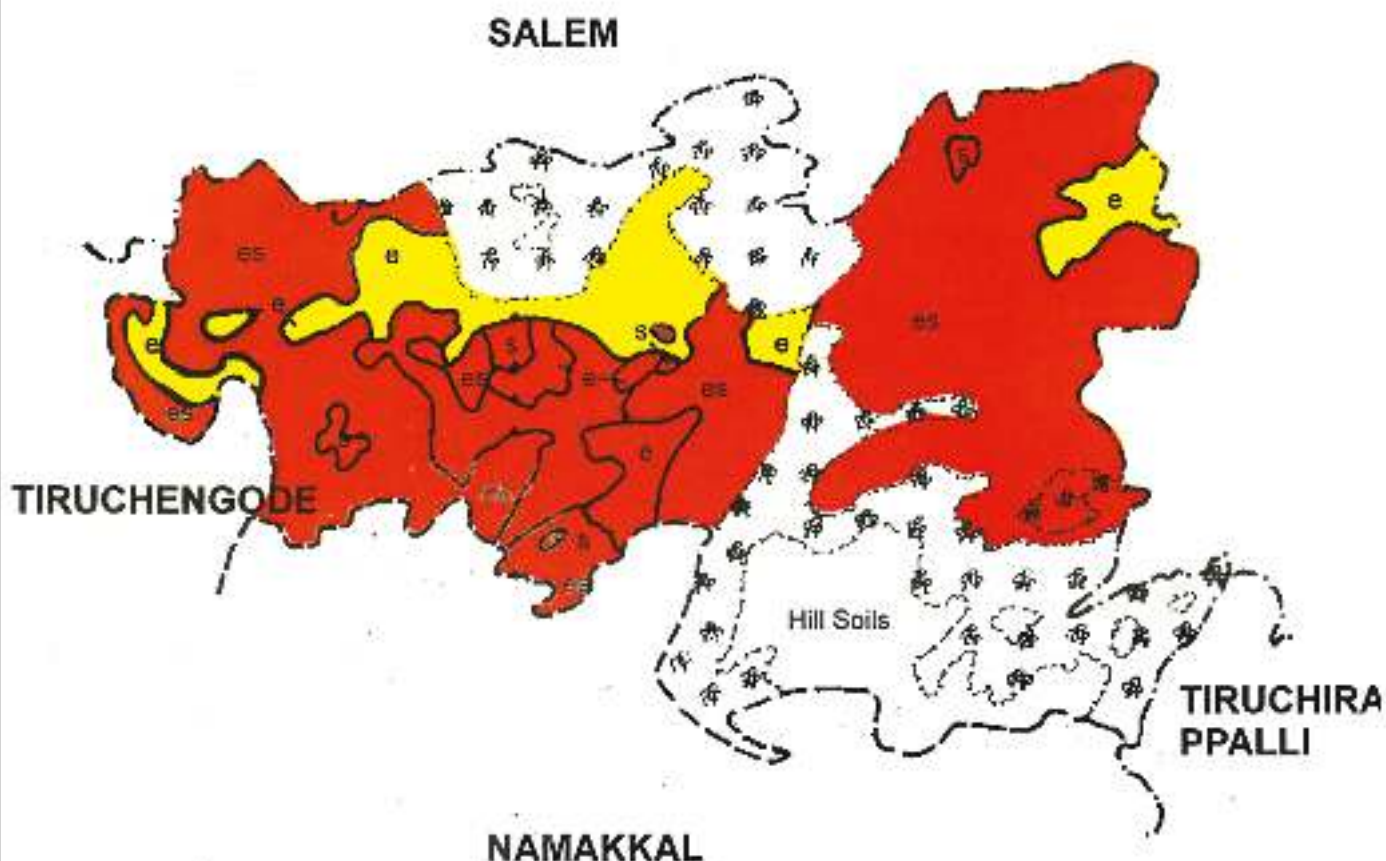
**Sub class**

e - erosion



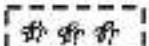
s - soil limitation





# LAND CAPABILITY RASIPURAM TALUK



## REFERENCE

- District boundary 
- Taluk boundary 
- Forest boundary 

## LEGEND

CLASS	SUB CLASS
 GOOD CULTIVABLE LAND	e - EROSION s - SOIL LIMITATIONS
 MODERATELY GOOD CULTIVABLE LAND	



## LAND IRRIGABILITY

### RASIPURAM TALUK

Area (ha)	Soil series	Irrigability classification	Limitation
7,094	Palathurai, Pichanur	2s	Floods alkalinity, erosion, stratification
202	Somayyanur	2t	Erosion topography
5,156	Pilamedu	3d	Slow Permeability, alkalinity, surface run off
35,811	Irugur Palladam Vellalur	3s	Erosion, shallow depth, coarse fragments, low water holding capacity, & topography

#### **Legend**

#### **Class**

2 - Lands that have moderate limitations for sustained use under irrigation.

3 - Lands that have severe limitations for sustained use under irrigation.

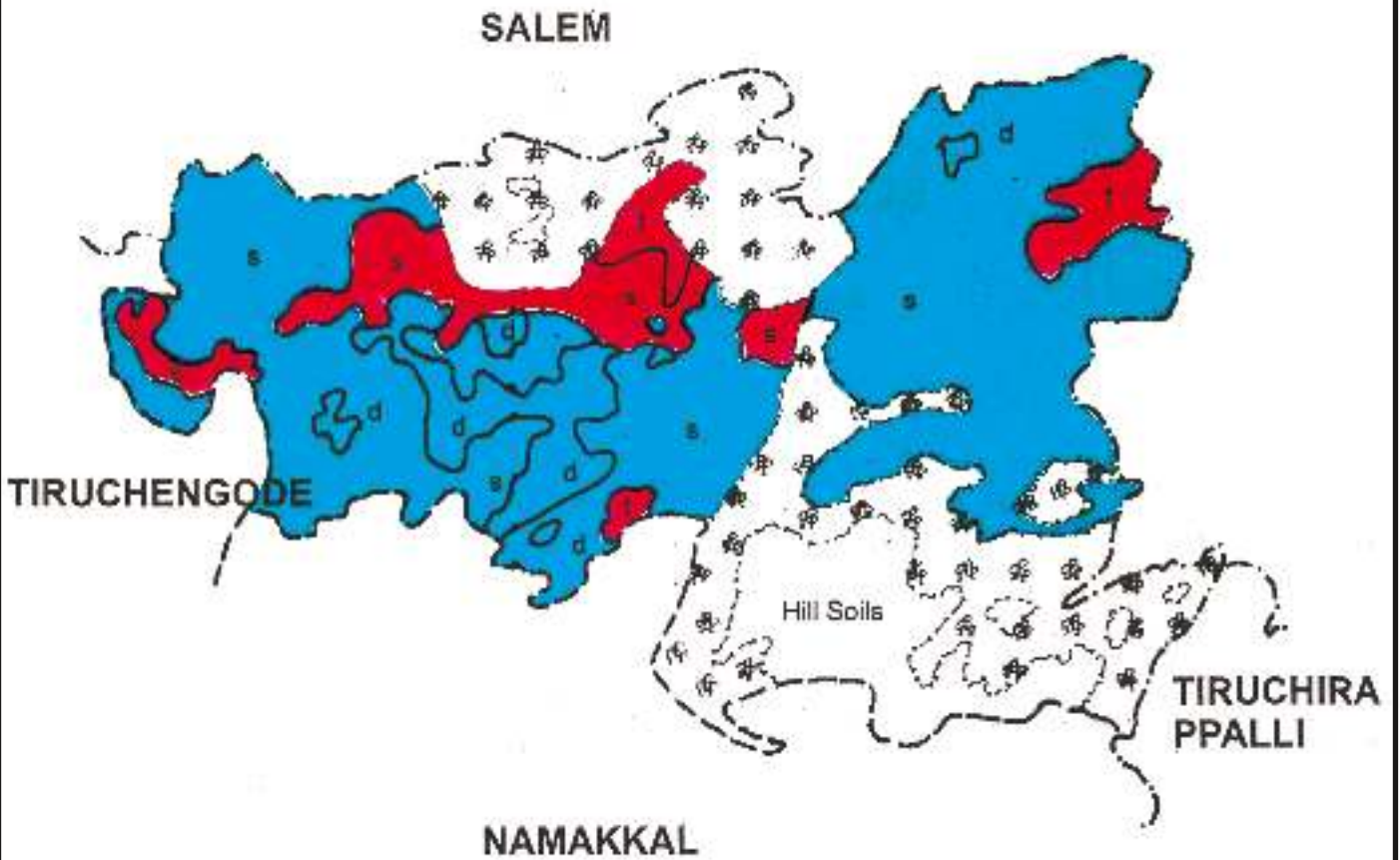
#### **Sub class**

s - soil limitations

t - topography

d - drainage



# LAND IRRIGABILITY RASIPURAM TALUK



## REFERENCE

- District boundary - - - - -
- Taluk boundary - - - - -
- Forest boundary [tree symbols]

## LEGEND

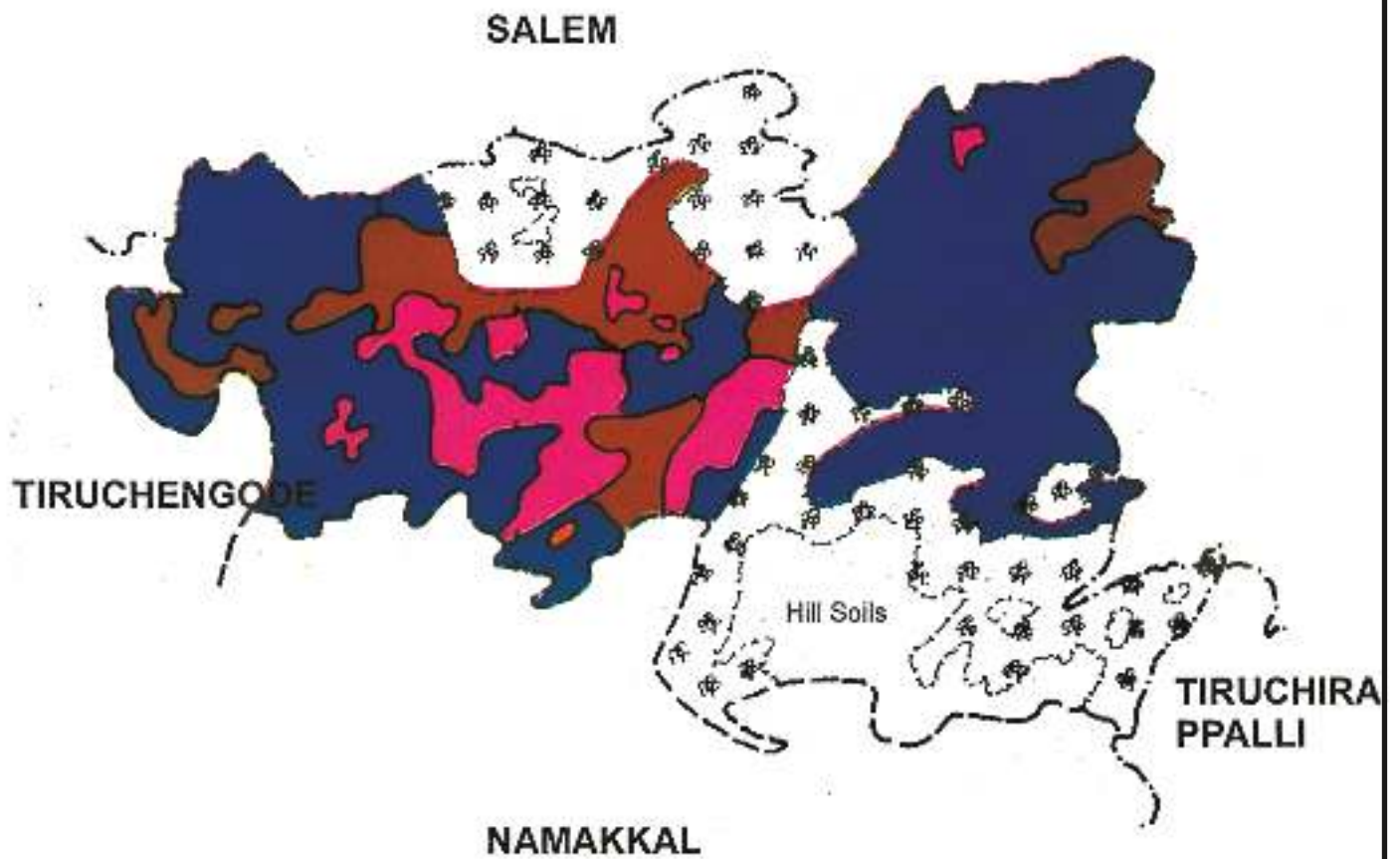
CLASS	SUB CLASS
 MODERATE LIMITATIONS	s - SOIL LIMITATIONS
 SEVERE LIMITATIONS	t - TOPOGRAPHY
	d - DRAINAGE

## SOIL PRODUCTIVITY



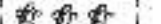
### RASIPURAM TALUK

Area (ha)	Soil series	Productivity	
		Rating	Grouping
35,811	Irugur Palladam Vellalur	0-7	Extremely poor
5,706	Pilamedu Pichanur	20-34	Average
6,746	Somayyanur Palathurai	35-64	Good

# SOIL PRODUCTIVITY RASIPURAM TALUK



## REFERENCE

- District boundary 
- Taluk boundary 
- Forest boundary 

## LEGEND

-  AVERAGE
-  GOOD
-  EXTREMELY POOR

## CROPS GROWN

### RASIPURAM TALUK

Sl. No.	Soil series	Crops grown	
		Irrigated	Rainfed
1.	Irugur	Groundnut	Cholam
2.	Palladam	Groundnut Cotton	Tapioca Cumbu Ragi Millets
3.	Palathurai	Groundnut Paddy Sugar cane	Cotton Tapioca Cholam Cumbu Ragi
4.	Pilamedu	Cotton Sugar cane Paddy	Cholam Cumbu Tapioca
5.	Vellalur	Groundnut Cholam	Cotton, Cumbu Cholam, Ragi, Tapioca
6.	Pichanur	Cotton Groundnut	Gingelly, Cholam
7.	Somayyanur	Sugar cane Groundnut	Cholam, Tapioca Groundnut





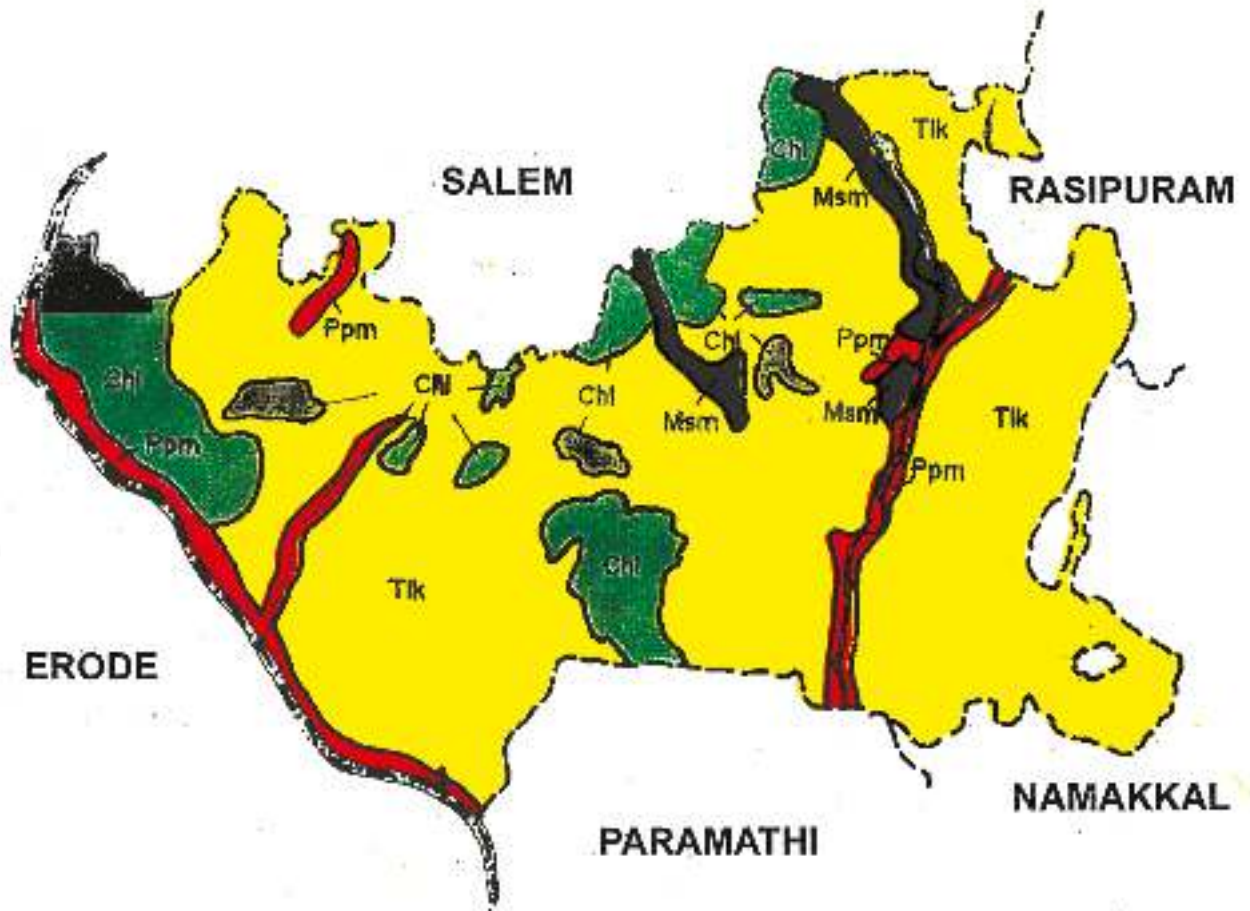
**SOILS**

**TIRUCHENGODE TALUK**

S.No.	Soil series	Symbol	Extent	
			(ha)	%
1.	Tulukkanur	Tlk	57,491	68.11
2.	Chittalandur	Chl	11,654	13.80
3.	Pallipalayam	Ppm	6,292	7.45
4.	Mallasamudaram	Msm	1,294	1.53
5.	Water bodies & others (unsurveyed)	—	7,685	9.11
Total			84,416	100.00



# SOILS TIRUCHENGODE TALUK



## REFERENCE

- District boundary -----
- Taluk boundary - - - - -
- Rivers & Gully

## LEGEND

- |     |            |     |                |
|-----|------------|-----|----------------|
| Tik | TULUKKANUR | Chl | CHITTALANDUR   |
| Ppm | PILAMEDU   | Msm | MALLASAMUDARAM |

## Village wise fertility status and soil series

### TIRUCHENGODE TALUK

S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
1.	Agram	114	3.8	118	Tlk Ppm
2.	Anangur	103	2.9	98	Tlk Chi
3.	Andipalayam	129	3.8	87	Tlk
4.	Andrapatti	97	4.8	77	Tlk
5.	Animoor	107	5.7	81	Tlk
6.	Athipalayam	112	4.3	76	Chi Tlk
7.	Attavanai Eraya mangalam	102	5.7	78	Tlk Ppm
8.	Avanasipatti	99	4.9	105	Tlk
9.	Ballakuli Agraharam	99	4.0	99	Chi Msm
10.	Bommampatti	113	4.5	80	Tlk
11.	Chinnathambi palayam	99	4.0	66	Tlk
12.	Chittalandur	106	3.4	77	Chi Tlk
13.	Devarakurichi	100	3.6	96	Tlk Chi
14.	Elandakuttai	98	4.2	77	Tlk Chi
15.	Ellayampalayam	105	7.4	73	Tlk
16.	Ellayampalayam	115	7.5	117	Tlk
17.	Emapalli	106	4.0	67	Tlk
18.	Illupuli	85	3.9	62	Tlk Ppm
19.	Iragalur - Pudupalayam	98	5.0	117	Chi Tlk
20.	Kadachamellur	104	4.0	74	Tlk Ppm
21.	Kailasampalayam	119	4.3	87	Tlk
22.	Kaliyanur	97	4.2	75	Chi Ppm
23.	Kaliyanur Agraharam	96	4.5	79	Chi



S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
24.	Kallupalayam	103	4.9	122	Tlk
25.	Karumanur	116	3.8	69	Tlk
26.	Karumapuram	103	2.9	83	Chi Msm
27.	Krungalpatti	101	4.4	95	Tlk Msm
28.	Karuppagoundapalayam	103	8.4	88	Chi Msm
29.	Karuveppampatti	110	4.5	75	Tlk
30.	Kavoundampalayam	105	6.0	103	Tlk
31.	Kilapalayam	108	10.8	78	Tlk Ppm
32.	Koilpalayam	107	3.6	66	Tlk
33.	Kolankondai	97	4.9	90	Tlk Msm
34.	Kokkalai	98	3.9	77	Tlk
35.	Kokkarayampettai	100	4.0	82	Tlk Ppm
36.	Komaramangalam	105	4.2	59	Chi Tlk
37.	Komarapalayam	104	4.5	73	Chi
38.	Komarapalayam	95	3.9	76	Tlk
39.	Komarapalayam Agraharam	104	8.3	79	Chi Ppm
40.	Konnaiyar	84	4.4	87	Tlk Ppm
41.	Koothampoondi Agraharam	99	4.3	77	Tlk Ppm
42.	Koothanpoondi	99	4.3	77	Tlk
43.	Kottaipalayam	105	8.5	93	Tlk Msm
44.	Kottapalayam	99	4.8	73	Msm Tlk
45.	Kotthanatham	98	3.5	62	Tlk Chi
46.	Kumarapalayam	105	10.9	107	Tlk
47.	Kuppandapalayam	90	4.8	92	Tlk
48.	Laddivadi	122	5.1	94	Tlk Ppm
49.	Mallasamudram	113	5.0	80	Tlk
50.	Manundi	106	5.4	76	Tlk



S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
51.	Manathi	118	7.0	123	Tlk
52.	Mangalam	106	4.5	76	Tlk Msm
53.	Manjanur	109	4.1	74	Tlk
54.	Marapparai	100	4.3	104	Tlk
55.	Metturedipatti	127	4.1	115	Tlk
56.	Mettupalayam	103	4.9	100	Tlk
57.	Minampalli	103	4.3	86	Tlk
58.	Modamangalam	122	4.0	100	Tlk
59.	Modamangalam Agraharam	106	9.9	117	Tlk
60.	Molasi	109	3.6	83	Tlk Ppm
61.	Molipalli	77	4.3	78	Tlk
62.	Morangam	105	4.5	74	Tlk
63.	Musiri	107	4.4	80	Tlk
64.	Nallipalayam	111	4.6	87	Tlk Chi
65.	Neikarapatti	102	6.5	89	Tlk
66.	Odapalli Agraharam	104	4.1	84	Tlk Ppm
67.	Oduvampalayam	103	5.4	122	Tlk
68.	Padaveedu	102	5.5	84	Tlk
69.	Palamedu	99	4.2	75	Tlk Ppm
70.	Pallagoundampatti	103	5.5	128	Tlk Ppm
71.	Pallakkapalayam	103	4.2	105	Tlk
72.	Pallipalayam	98	4.4	79	Chi Ppm
73.	Pallipalayam Agraharam	116	4.3	83	Tlk Chi
74.	Pappampalayam	102	4.1	78	Tlk Ppm
75.	Parathipalli	104	4.6	91	Ppm Msm
76.	Pattlur	92	4.7	87	Tlk Ppm
77.	Periamanale	105	4.5	128	Tlk Ppm
78.	Pillamatham	103	3.7	58	Tlk Chi
79.	Pokkampalayam	114	3.7	65	Chi
80.	Prithi	102	4.3	69	Tlk

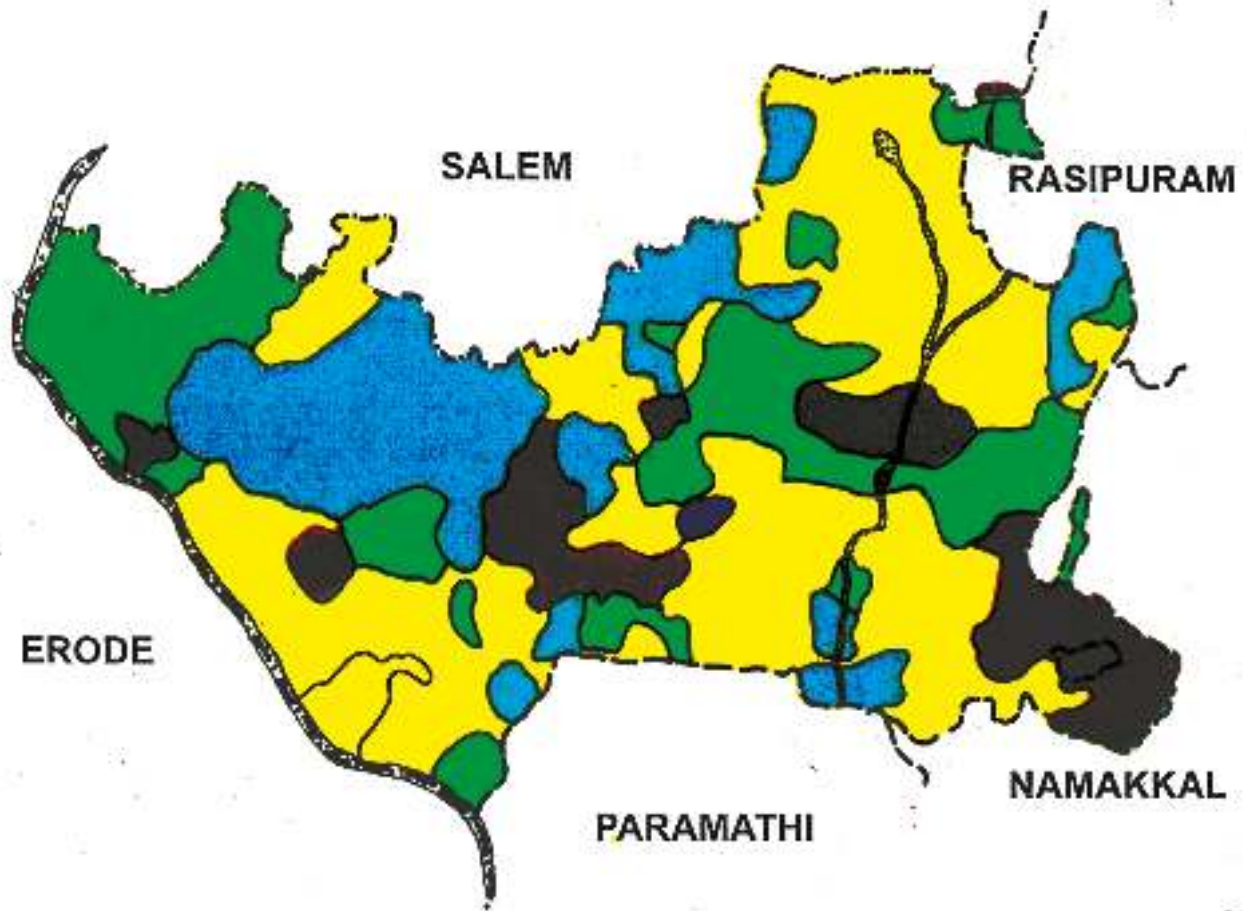
S.No.	Village	Fertility status (kg/ac)			Dominant soil series
		N	P	K	
81.	Pudupalayam. T.	100	4.4	102	Tlk Msm
82.	Pudupalayam Agraharam	99	4.3	68	Tlk Ppm
83.	Pudupalliampatti	102	5.7	183	Chi Tlk
84.	Punjabudupalayam	99	3.6	63	Tlk Ppm
85.	Puthier east	100	3.9	66	Tlk
86.	Rajapalayam	122	4.5	92	Tlk Chi
87.	Ramapuram	100	3.7	97	Tlk
88.	Samyasamgili Agraharam	105	4.1	96	Chi Ppm
89.	Santhinaicken palayam	103	4.3	77	Tlk
90.	Sembampalayam	109	4.8	74	Tlk
91.	Sengodampalayam	103	3.5	67	Tlk
92.	Seppayapuram	97	3.9	67	Tlk
93.	Shenbagamadevi	110	4.6	73	Chi Tlk
94.	Sirumolasi	114	4.3	84	Tlk
95.	Sowdapuram	105	4.7	90	Tlk Chi
96.	Sundangi palayam	97	3.6	65	Tlk
97.	Thirumangalam	118	2.8	44	Msm Chi
98.	Thokkavadi	99	4.1	63	Tlk
99.	Thokkavadigoundampalyam	97	4.3	79	Tlk
100.	Thondipatti	122	4.0	91	Tlk
101.	Thottipalayam	110	3.5	85	Tlk
102.	Uganai	103	4.7	97	Tlk
103.	VandiNatham	98	4.0	100	Tlk Msm
104.	Varagurampatti	106	10.7	64	Tlk
105.	Vattaparattpu	123	4.0	56	Tlk Chi
106.	Vattur	119	4.4	58	Tlk Chi
107.	Vatturampalayam	105	7.0	77	Tlk

## **WATER QUALITY**



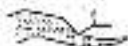
### **TIRUCHENGODE TALUK**

<b>S.No.</b>	<b>GeoChemical type</b>	<b>No. of Village</b>
1.	Calcium Chloride	14
2.	Calcium Bicarbonate	29
3.	Sodium Chloride	51
4.	Sodium Bicarbonate	22
	<b>Total</b>	<b>116</b>


# WATER QUALITY TIRUCHENGODE TALUK



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

## LEGEND

-  CALCIUM BICARBONATE
-  CALCIUM CHLORIDE
-  SODIUM BICARBONATE
-  SODIUM CHLORIDE

## LAND CAPABILITY

### TRICHENGODE TALUK

Area (ha)	Land capability classification	Soil series	Limitation	Needs
6,292	IIw	Pallipalayam	Soil moisture	Improvement of drainage
11,654	IIIe	Chittalandur	Erosion	Soil & water conservation
1,294	III <sub>s</sub>	Mallasamudram	Salinity, alkalinity	Improvement of drainage & reclamation
57,491	III <sub>es</sub>	Tulukkanur	Moderate erosion, shallow depth	Soil conservation

#### **Legend**

#### **Class**

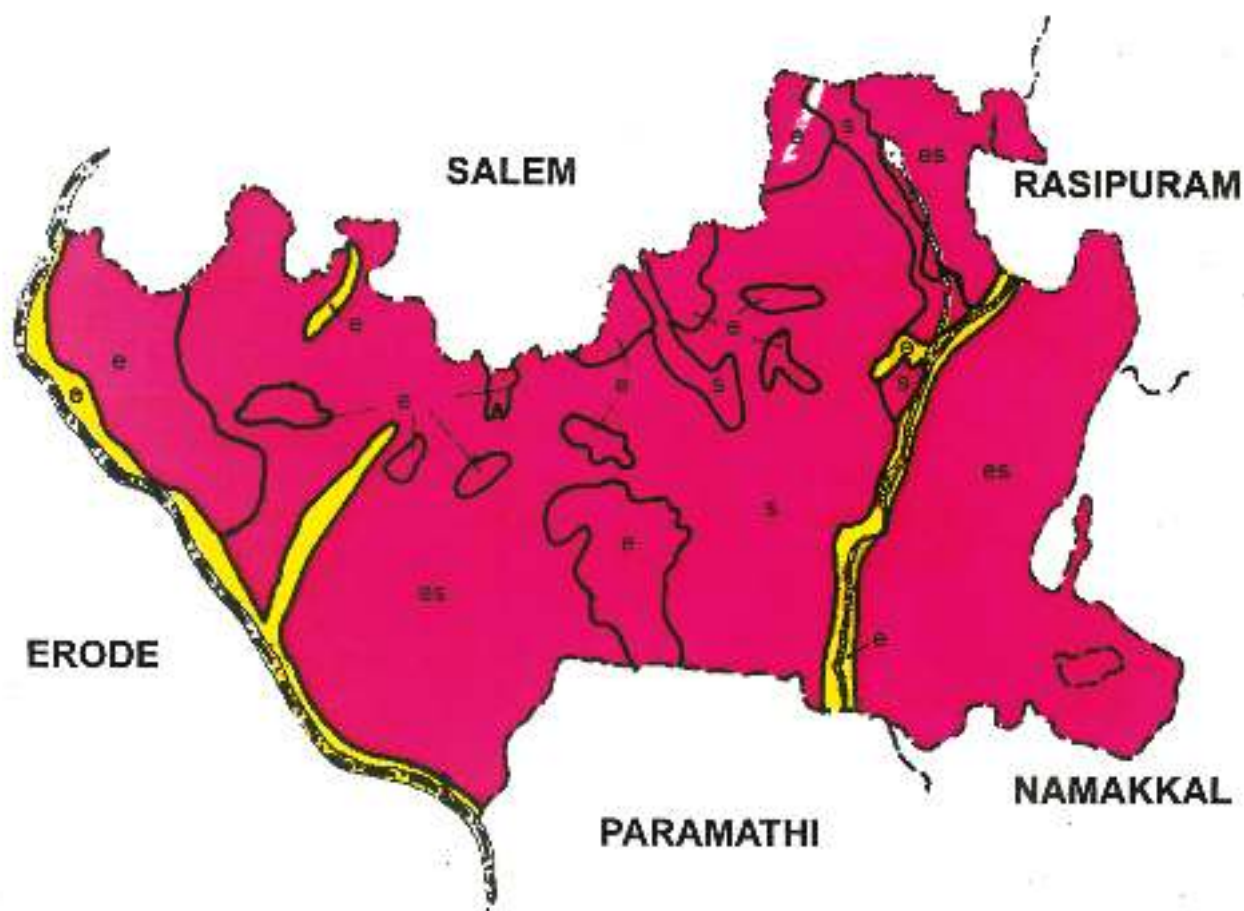
- II - Good cultivable lands
- III - Moderately good cultivable lands

#### **Sub class**

- e - erosion
- s - soil limitation
- w - wetness



# LAND CAPABILITY TIRUCHENGODE TALUK



## REFERENCE

- District boundary - - - - -
- Taluk boundary - - - - -
- Rivers & Gully

## LEGEND

### CLASS

- GOOD CULTIVABLE LAND
- MODERATELY GOOD CULTIVABLE LAND

### SUB CLASS

- e - EROSION
- s - SOIL LIMITATIONS

## LAND IRRIGABILITY

### TRICHENGODE TALUK

Area (ha)	Soil series	Land irrigability classification	Limitation
6,292	Pallipalayam	2s	Floods, alkalinity, erosion, stratification
69,145	Chittalandur Tulukkanur	3s	Erosion, shallow depth coarse fragments, low water holding capacity topography
1,294	Mallasamudram	4d	Drainage, salinity and alkalinity

#### **Legend**

##### **Class**

- 2 - Lands that have moderate soil limitations for sustained use under irrigation.
- 3 - Lands that have severe soil limitations for sustained use under irrigation
- 4 - Lands that have very severe soil limitations for sustained use under irrigation.

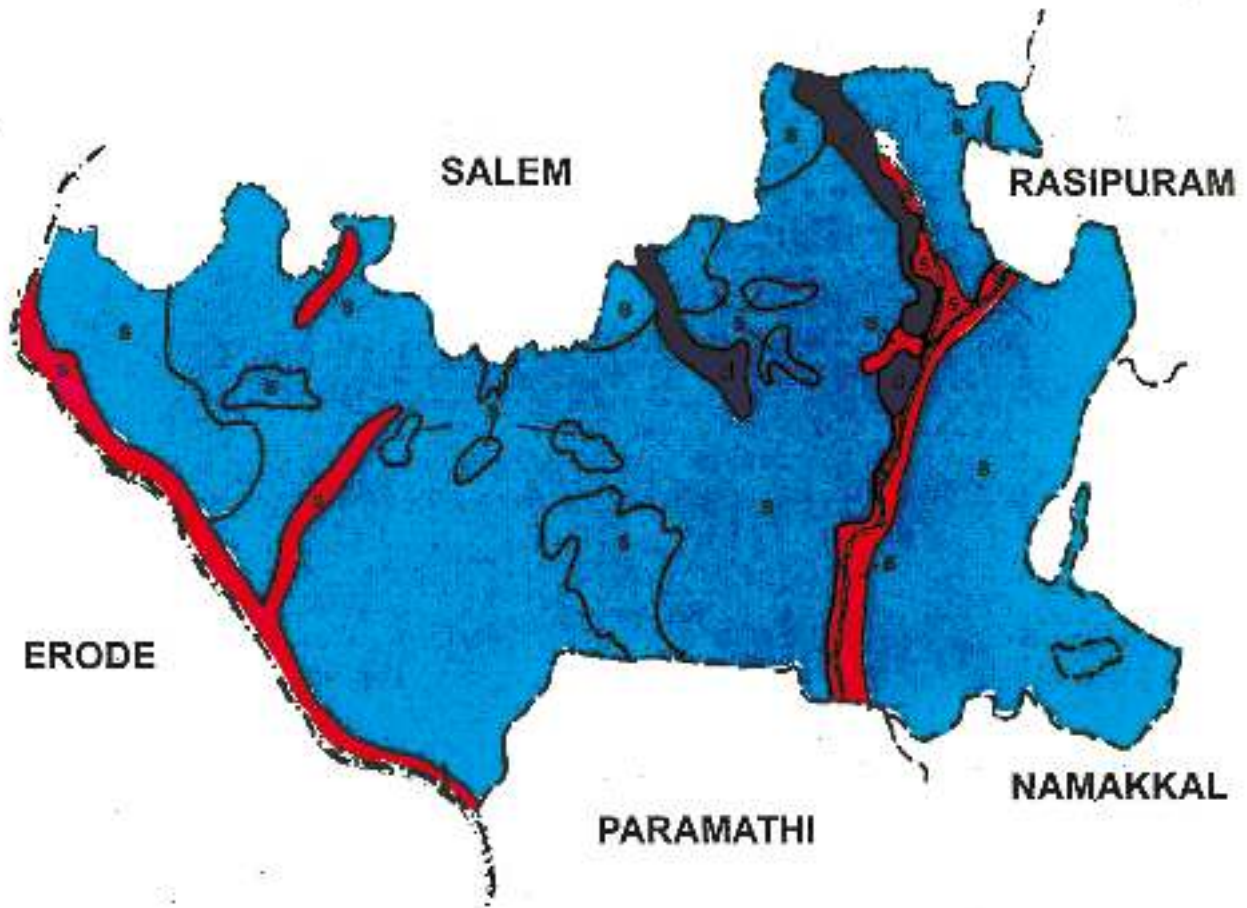
##### **Sub class**

- s - soil limitation
- d - drainage



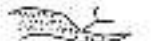


# LAND IRRIGABILITY




## TIRUCHENGODE TALUK



### REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

### LEGEND

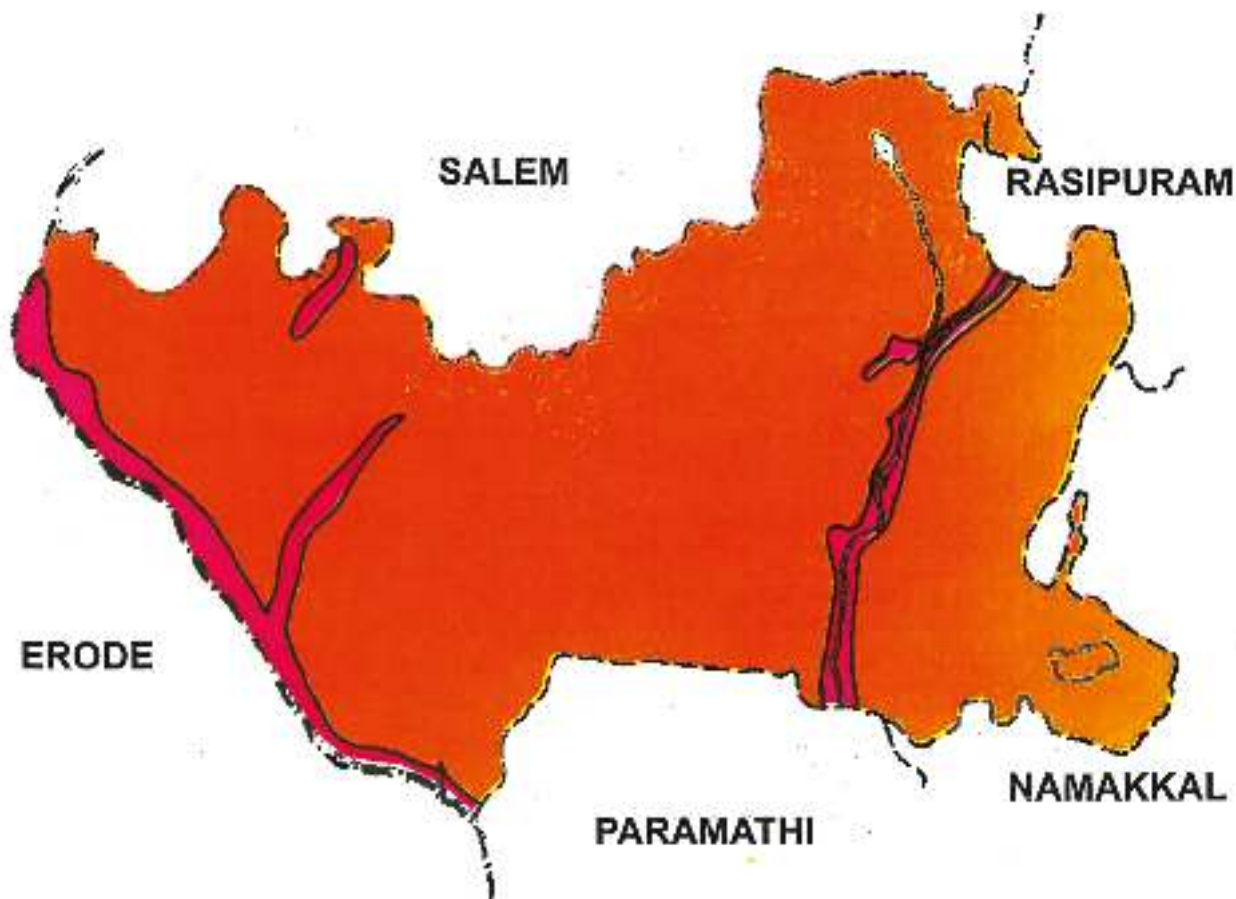
CLASS	SUB CLASS
 MODERATE LIMITATIONS	s - SOIL LIMITATIONS
 SEVERE LIMITATIONS	d - DRAINAGE
 VERY SEVERE LIMITATIONS	

## SOIL PRODUCTIVITY



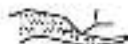
### TIRUCHENGODE TALUK

S.No.	Area	Soil series	Productivity	
			Rating	Grouping
1.	70,439	Tulukkanur	8 - 19	Poor
2.		Mallasamudram		
3.	6,292	Chittalandur	20 -34	Average
4.		Pallipalayam		

# SOIL PRODUCTIVITY TIRUCHENGODE TALUK



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

## LEGEND

-  AVERAGE
-  POOR



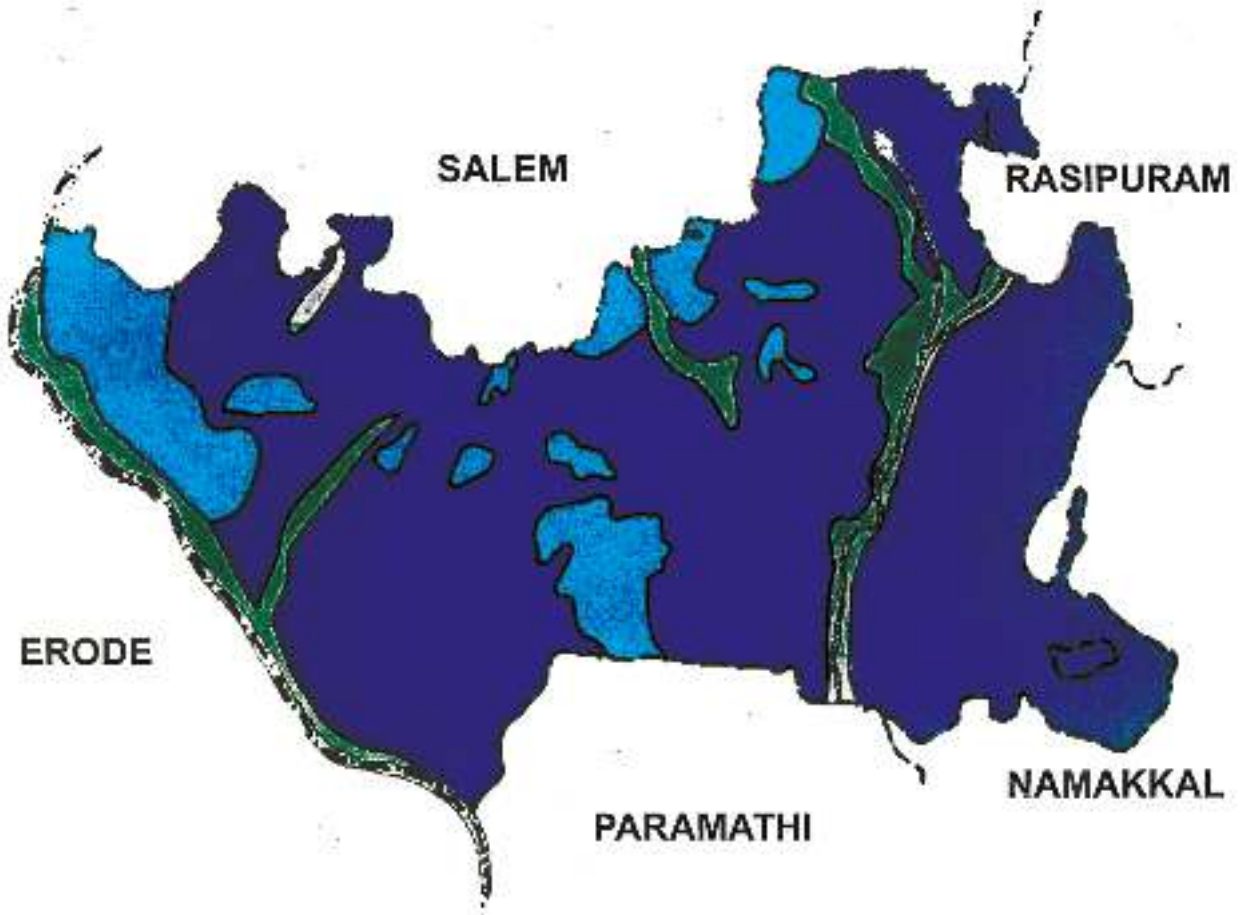
## CROPS GROWN

### TIRUCHENGODE TALUK




S. No.	Soil series	Grops grown	
		Irrigated	Rainfed
1.	Tulukkanur	Sugar cane Groundnut	Cotton Cholam Cumbu Groundnut
2.	Chittalandur	Cholam Groundnut	Cholam Cumbu Ragi Millets
3.	Pallipalayam	Paddy Sugar cane	Cotton Millets Groundnut Tapioca
4.	Mallasamudram	Paddy Sugar cane	Cumbu Ragi Choloam Cotton



# CROPS GROWN TIRUCHENGODE TALUK



## REFERENCE

- District boundary 
- Taluk boundary 
- Rivers & Gully 

## LEGEND

-  - 2
-  - 3
-  - 5



## CONTRIBUTORS

1. *Concept* : **Dr. A. Dhanapalan Mosi**  
Addl. Director of Agriculture (Res) (Retd)
- S. Lakshminarayanan**  
Addl. Director of Agriculture (Res) (Retd)
- Syed Nazeer Peeran**  
Joint Director of Agriculture (Res) Chennai
2. *Source* : i) *Soils of Salem district*  
**L. Sankararaj G. Rajendran K.S. Nair & C. Ratnam**  
District Report No. 3 published by SSLUD Coimbatore
- ii) *Village level fertility status*  
Assistant Soil Chemist Soil Testing Laboratory Salem
- iii) *Quality of irrigation water*  
Assistant Soil Chemist Soil Testing Laboratory Salem
3. *Script & Maps*  
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