



## केंद्रीय भूमि जल बोर्ड

जल संसाधन, नदी विकास और गंगा संरक्षण मंत्रालय

भारत सरकार

Central Ground Water Board

Ministry of Water Resources, River Development and Ganga

Rejuvenation

Government of India

Report

on

## AQUIFER MAPPING AND GROUND WATER MANAGEMENT

Amaravathi Basin, Tamil Nadu

दक्षिण पूर्वी तटीय क्षेत्र, चेन्नई

South Eastern Coastal Region, Chennai



सरकारी उपयोग के लिए

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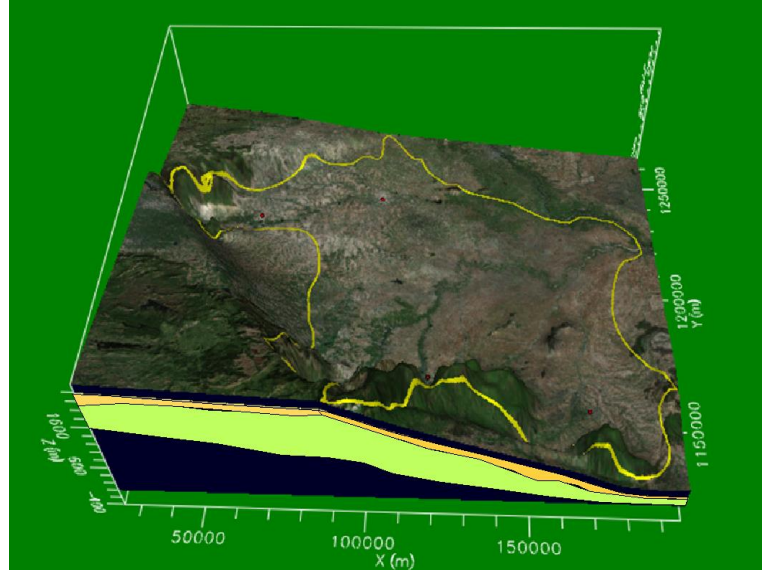
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வரைபடம் மற்றும் மேலாண்மைக்கான திட்டம்  
एक्विफर मैपिंग और मैनेजमेंट प्लान

अमरावती बेसिन, तमिल नाडू

AQUIFER MAPPING AND MANAGEMENT PLAN FOR  
AMARAVATHI AQUIFER SYSTEM, TAMIL NADU



இந்திய அரசு

நீர்வள, நதி மேம்பாடு மற்றும் கங்கை புனரமைப்பு அமைச்சகம்  
மத்திய நிலத்தடிநீர் வாரியம், தென்கிழக்கு கடலோர மண்டலம், சென்னை

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जल संसाधन, नदी विकास एवं गंगा संरक्षण मंत्रालय  
केंद्रीय भूमि जल बोर्ड, दक्षिण पूर्वी तटीय क्षेत्र, चेन्नई

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Central Ground Water Board, South Eastern Coastal Region, Chennai

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**Central Ground Water Board, South Eastern Coastal Region, Chennai**

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## Foreword

Groundwater is the major source of freshwater that caters the demand of ever growing domestic, agricultural and industrial sectors of the country. This renewable resource has been indiscriminately exploited in some parts of the country by several users as it is easily available and reliable. Intensive and unregulated groundwater pumping in many areas has caused rapid and widespread groundwater decline. Out of 6607 groundwater assessment units (Blocks/ Mandals / Taluks, etc.), 1071 units are over-exploited and 914 units are critical. These units have withdrawal of groundwater is more than the recharge (over exploited) and more 90% of recharge (Critical).

Central Groundwater Board (CGWB) has taken up largest Aquifer mapping endeavour in the world, targeting total mapable area of country ~ 23.25 Lakh Sq. km with a vertical extent of 300 m in alluvial area and 200 m in hard rock area. The extent of aquifer, their potential, resource availability, chemical quality, its sustainable management options will be addressed. The NAQUIM programme will also facilitate participatory management of groundwater to provide long-term sustainability for the benefit of farmers. Currently focus is on groundwater stressed areas of eight states comprising 5.25 Lakh Sq.km viz. Haryana, Punjab, Rajasthan, Gujarat, Andhra Pradesh, Telangana, Karnataka and Tamil Nadu and also covers Bundelkhand region.

South Eastern Coastal Region, Central Groundwater Board, Chennai Under NAQUIM has been envisaged with the Mapping of an area of 70,102 sq.km during the XII - five year plan in Tamil Nadu and UT of Puducherry. This report deals with the Aquifer mapping studies carried out in water stressed Amaravathi and Noyyil Basin covering an basin area of 12285 sq .km having 10489 sq.km as map able area. The basin comprising of drought prone district of Coimbatore, Tiruppur, Dindigul and Erode and Karur in parts with 107 firkas (74 OE and critical) and is mainly dependant on groundwater (80%) for its agricultural needs. The major issues in the region include the declining water levels, sustainability of wells contamination of groundwater due to textile and tanneries in parts of Tiruppur and Dindigul districts. Two aquifer units were deciphered with aquifer Unit - I being the weathered, occurs from ground level to 45 m bgl and Aquifer Unit –II is the fractured / Jointed zone existing from 11 to 199.75 m bgl (3 to 4 fractures are encountered). In order to arrest the declining groundwater levels and increase the sustainability of wells management plans were formulated firka wise. Construction of AR structure (CD -166, NB - 155, RS - 716 & Revival of Ponds with RS -220) and water conservation structures (Recharge ponds 25,240) at a cost of Rs. 424. 93 Cr would create additional resource of 197.45 mcm/yr and would help in arresting groundwater level decline and reduce the stage of groundwater withdrawal from 111 to 99%.

I hope this report will be useful for the district administrators, water managers, stakeholders in knowing the aquifer and managing it resources effectively.

**A. Subburaj**  
**Head of Office**

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR  
AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

**AT A GLANCE**

<b>S. No.</b>	<b>Item</b>	<b>Particulars</b>
1.	Geographical area Hilly area	: 12, 285 Km <sup>2</sup> 1, 796 km <sup>2</sup>
2.	Districts	Coimbatore, Tiruppur, Erode, Dindigul, Karur
3.	Firkas (Assessment Units)	: Total:107 (Fully: 80 Partially: 27)
4.	Locations	: North Latitude ; 10° 07'14" - 11° 22' 57" East Longitude 76° 39' 28" - 78° 12' 40".
5.	River Basin	: Major Basin: Amaravathi River and Noyil River
6.	Sub-basins	: Chinnar, Kodavanar, Nanganji, Kuduraiyar & Shanmuganadi
7.	Geomorphology	: <ul style="list-style-type: none"> <li>▪ Dissected / Un- dissected landforms,</li> <li>▪ Shallow and medium pediments</li> </ul>
8.	Land use	: <ul style="list-style-type: none"> <li>▪ Agricultural land - 78%</li> <li>▪ Forest land - 11%</li> </ul>
9.	Major crops	: Paddy, Sugarcane, Banana, Dry crops, etc.
10.	Soils	: Red soil, Black cotton soil, sandy loam and forest loam
11.	Geology	: <ul style="list-style-type: none"> <li>▪ Granite gneisses,</li> <li>▪ Charnockite &amp;</li> <li>▪ Granite</li> </ul>
12.	Rainfall	: 720 mm ( 100 years ) Min : 530.6 mm Max :1720.50 mm
13.	Depth to water Table Elevations (m amsl)	: 150 - 450. The groundwater flow gradient is 2.6 m/km
14.	Depth to water levels (2015- 16) (mbgl)	: Pre-monsoon (May 2015) : (Aquifer - I): 1.10 - 42.25 (Aquifer - II) : 0.45 -113.35 Most frequent range: (Aquifer - I): 2 – 10 (Aquifer - II): 20 - 40  Post monsoon (Jan. 2016): (Aquifer - I) 0.98 - 41.53 (Aquifer - II) 0.78 - 49.81 Most frequent range:

S. No.	Item	Particulars	
		(Aquifer - I): 2 - 5 (Aquifer - II): 10 - 20	
15.	Water Level Fluctuations (m)	:	76 % wells shows rise in water levels in the Aquifer - I 80 % shows rise in water levels in Aquifer - II
16.	Long-term Water Level Trends	:	Western Part: 0.20 to 0.35 m/year Eastern Part: : 0.30 to 0.45 m/year
17.	Groundwater Yield	:	0.2 to 3.5 lps
18.	Number of groundwater structures (As of March 2013)	:	268801 (Dug wells: 235776; Bore wells:28873 DCB:4152 )
19.	Conceptualization		<b>Weathered Zone</b> <b>Fractured Zone</b>
20.	Depth (m bgl)	:	Up to 45      Up to 199.75
21.	Dynamic GW Resources- 2013 (MCM)	:	
22.	Net dynamic groundwater availability	:	1475.11
23.	In-storage groundwater availability	:	553.3      616.42
24.	Gross GW Draft	:	1640.35      342.19
25.	Provision for D & Ind (2038)	:	118.82
26.	Stage of Groundwater development (%)	:	111
27.	Hydraulic Properties	:	Weathered Zone      Fractured Zone
28.	Transmissivity (m <sup>2</sup> /day)	:	5 - 80      10 - 110
29.	Specific yield (%)	:	1.5 - 2.0
30.	Storativity	:	-      0.00002 to 0.001
31.	<b>Groundwater Quality 2015</b>		
32.	EC (Ω Siemen's/cm)-Pre-monsoon	:	50-5750      841-8690

## EXECUTIVE SUMMARY

Detailed hydrogeological studies were conducted in the study basin of the Upper Cauvery and huge existing data pertinent to geology, geophysics, hydrology, hydrochemistry were collected, synthesized and analyzed to bring out this report. This report mainly comprises the Aquifer geometry and Aquifer properties of the study area, which are considered to be measuring scales for groundwater availability and potentiality. Keeping these parameters in view a sustainable management plan has been suggested through which the groundwater needs can be fulfilled in a rational way.

Area experiences semi-arid climate with 720 mm annual normal rainfall covering 12,285 km<sup>2</sup> areas in Coimbatore, Tiruppur, Erode, Dindigul and Karur districts of Tamil Nadu. About 253130 hectares of area is under groundwater irrigation in the basin and accounts for 20.6% of the geographical area. The main crops irrigated are paddy, sugarcane, banana, groundnut, maize, cotton, ragi and other minor crops are turmeric, vegetables and flowers.

Weathered and fractured Granitic Gneiss and Charnockite form main aquifer system in the area. Groundwater occurs under unconfined condition in the weathered zone and unconfined to semi-confined conditions in the fractured/fissured zone and flows downward from the weathered zone into the fracture zone. The predominant water levels are in the range of 10 to 20 m bgl during pre-monsoon season and 2 to 10 mbgl during post-monsoon season of 2015 - 2016. The net annual groundwater availability is 1475.11 MCM and the gross groundwater draft is 1640.35MCM and the average stage of groundwater development is of 111%.

Aquifer systems from the area can be conceptualized as weathered zone down to ~42m and fractured zone between ~42 and 199.75 m bgl. The weathered zone is disintegrated from the bed rock (upper part-saprolite zone) and partially/semi weathered in the lower part (sap rock zone) with transmissivity varying between 5 and 80 m<sup>2</sup>/day and specific yield 1.5 to 2.0 %. High yield is, associated sometime with Pegmatite vein. The average transmissivity of this zone varies between 5 and 80 m<sup>2</sup>/day and storativity varies from 0.00002 to 0.001.

Groundwater is extensively utilized for irrigation in the entire basin area for the past two decades, especially in the 74 over-exploited and critical firkas out of the 107 firkas of the sub-basins. Groundwater contamination due to Textile Industry in Coimbatore, Tiruppur, and Karur districts on the banks of Noyil and Amaravathi river courses have a created a major problem. Groundwater monitoring wells (89 Nos.), which were monitored regularly shows decline trend of 0.20 to 0.35 m/year in Coimbatore and Tiruppur districts and 0.30 to 0.45 m in Dindigul district.

The annual uncommitted runoff is 899 MCM. As both the source of excess water and place to store is available, Artificial recharge and Water conservation plan is prepared for the over exploited firkas of the sub basins. Using all the scientific approach an artificial

recharge Plan has been prepared to harness 197.45 MCM of water from the uncommitted runoff at the cost of 424.93 Crores.

A total number of 166 check dams, 155 nala bunds and 716 recharge shafts in the existing 575 tanks are proposed in the OE firkas of the basin. A total number of 220 ponds out of 1851 have been recommended for de-siltation. Apart from these structures 25240 Nos. of Recharge ponds have also been planned to construct. The expected recharge through these artificial recharge structures is in the order of 197.45 MCM.

The expected Potential through ID crops for 197.45 MCM of recharge is 33,912 ha. Through this supply side management it is expected to bring down the current stage of development from 111 to 99%.

The existing regulatory measures may be modified suitably for optimal utilization of groundwater as well as for sustainable development of rural agricultural based economy. To achieve this goal opinion pool has to be obtained from more user groups and valid suggestions of may be incorporated in the regulatory acts.



**AQUIFER MAPPING AND MANAGEMENT PLAN FOR  
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**CONTRIBUTORS' PAGE**

Name	Designation
<b><i>Principal Authors</i></b>	
K. Kumaresan	: Scientist -D
R. Arumugam	: Scientist -D
<b><i>Hydrogeology &amp; Groundwater exploration</i></b>	
K. Kumaresan	: Scientist –D
A. Sreenivas	: Scientist-D
V. Vinay Vidhyadhar	Scientist-D
T. Balakrishnan	: Scientist-D (Sr. Hydrogeologist)
A. Balachandran	: Scientist-D (Sr. Hydrogeologist)
<b><i>Aquifer Disposition</i></b>	
Dr.N. Ramesh Kumar	: Assistant Hydrogeologist
<b><i>Groundwater Management plan</i></b>	
A. Arumugam	: Scientist -D
Dr. M. Senthil Kumar	: Scientist-C (Sr. Hydrogeologist)
Dr. D. Gnanasundar	: Scientist-D (Sr. Hydrogeologist)
S. Piramanayagam	: Scientist-D (Sr. Hydrogeologist)
<b><i>Geophysics</i></b>	
K.T. Suresha	: Scientist-D (Sr. Geophysicist)
Dr V.Arul Prakasam	: Scientist-D (Sr. Geophysicist)
V.S.T. Gopinath	: Scientist-B (Jr. Geophysicist)
T.S.N Murthy	: Assistant Geophysicist
<b><i>Chemical Analysis</i></b>	
Dr. K. Ravichandran	: Scientist-D (Sr. Chemist)
Mrs. K. Padmavathi	: Scientist-B
<b><i>Map preparation</i></b>	
Mrs. M. Navaneetham	: Draughtsman
<b><i>Scrutiny and Issuance</i></b>	
Dr. B. Umapathi	: Scientist-D (Sr. Hydrogeologist)
N. Selvanayagam	: Sr. Surveyor
<b><i>Overall Supervision and Guidance</i></b>	
<b>A. Subburaj</b>	: <b>Head of Office</b>

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR  
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## **AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

### **1.0 INTRODUCTION**

The development activities over the years have adversely affected the groundwater regime in many parts of the country. Hence, there is a need for scientific planning in development of groundwater under different hydro-geological situations and to evolve effective management practices with involvement of community for better groundwater governance. As India is largest user of groundwater in the world, there is urgent need for an accurate and comprehensive picture of groundwater resources in different hydro-geological settings through aquifer mapping, which will enable robust groundwater management plans.

Aquifer Mapping has been taken up in **Amaravathi basin** of Cauvery basin in Tamil Nadu in a view to formulate strategies for sustainable management of the dynamic groundwater resource which help in drinking water security and improved irrigation facility.

#### **1.1 Objective**

National Project on Aquifer Mapping (NAQUIM) initiated by Ministry of Water Resources, River Development and Ganga Rejuvenation, Government of India with a vision to identify and map the aquifers at the micro level with their characteristics, to quantify the available groundwater resources, propose plans appropriate to the scale of demand and institutional arrangements for participatory management in order to formulate a viable strategy for the sustainable development and management of the precious resource which is subjected to depletion and contamination due to indiscriminate development in the recent past.

#### **1.2. Scope of the Study:**

The important aspect of the aquifer mapping program is the synthesis of the large volume of data already generated during specific studies carried out by Central Groundwater Board and various Government organizations with a new data set generated that broadly describe the aquifer system. The available generated data are assembled, analyzed, examined, synthesized and interpreted from available sources. These sources are predominantly non-computerized data, which is to be converted into computer based GIS data sets.

Data gaps have been identified after proper synthesis and analysis of the available data collected from different state organizations like; Tamil Nadu Water Supply and Drainage Board (TWAD Board), Public Works Department (PWD), Agricultural Engineering Department (AED). Groundwater monitoring regime has been strengthened by establishing additional monitoring wells. 2D and 3D sections have been prepared.

### 1.3. Approach and Methodology:

Multi-disciplinary approach has been adopted involving geological, geophysical, hydrological and hydro-geological and hydro-geochemical components of study on toposheet scale of 1:50000 to meet the objectives of study. Geological map of the basin has been generated based on the GSI maps, geophysical data has been generated through vertical electrical soundings and geo-electrical layers with different resistivities have been interpreted in corroboration with the litho stratigraphy of the observation wells and exploratory wells down to depths of 200m bgl. Hydrological and hydro-meteorological data have been collected from state PWD and IMD departments. Drainage, Soil and Geomorphology of the sub-basins were compiled based on the maps collected from Water Resources Department, Anna University, Chennai. Based on the data gap analysis data generation process has been scheduled through establishing key observation wells, pinpointing exploratory sites, collecting geochemical samples in order to study groundwater regime, geometry of the aquifer and aquifer parameters, and quality of the groundwater. Groundwater recharge and draft have been computed through different methods and resources of the basin estimated through groundwater balance method. A three-dimensional mathematical model of regional groundwater flow was used to provide a mechanistic description of groundwater flow in the aquifer system of Amaravathi basin. The model was simulated using the finite-difference approximation of three-dimensional partial differential equation of regional groundwater flow and was calibrated for steady and transient conditions to forecast the dynamic groundwater flow under different recharge and stress conditions. Based on the above studies management strategies have been evolved for augmentation of groundwater through artificial recharge and water conservation and formulated plans for sustainable management of the resource.

### 1.4. Area Details

The study area covering 12,285 km<sup>2</sup>, lies between North Latitudes 10° 07'14" - 11° 22'57" and East Longitudes 76° 39' 28" - 78° 12' 40". It forms part of the Cauvery mid basin of Amaravathi sub-basin (Area: 8,654 km<sup>2</sup>, 70 %) covering 7 major watersheds and the Noyil river sub-basin (Area: 3,631 km<sup>2</sup>, 30%) covering 3 major watersheds of the Cauvery river basin falling in Coimbatore, Tiruppur, Erode, Dindigul and Karur districts and administratively governed by 107 firkas. Administrative details of Amaravathi basin is given in **Figure – 1.1**.

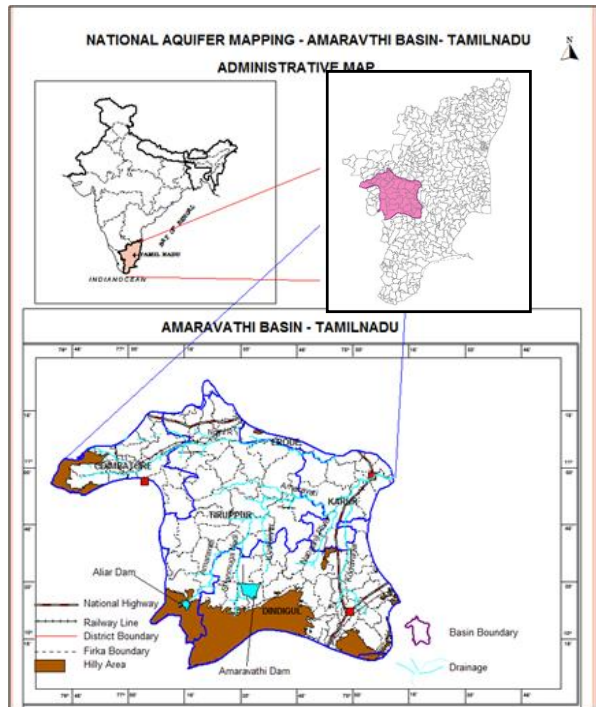
### 1.5. Data Availability

During the Aquifer mapping period, existing data of CGWB i.e. exploration, depth to water level, water quality, geophysical logging and groundwater resource data have been collected and compiled. In addition to this, Bore well data, Water quality & Water level data have been collected from Tamil Nadu water Supply and Drainage Board. Cropping pattern and Soil data has been collected from Agricultural Department. Groundwater level and groundwater exploration data have been collected from Public Works Department. Thematic layers such as; geology, (Source: Geological Survey of India (GSI) soils, land use/land cover, geomorphology, etc., from various State Government agencies were collected, compiled and used in this study.

### 1.6. Data Adequacy

Exploratory well data is available for 248 wells drilled by Central Ground Water Board (CGWB) and State Departments. Water level and water quality monitoring data for 66 Nos. of observation wells are available for a period of more than ten years.

## Administrative Details of Amaravathi Basin, Tamil Nadu



**Total Area of the Basin** : 12,285 Sq.Km.  
**Hilly Area** : 1,796 Sq.Km.  
**Mappable area** : 1,0489 sq.km.  
**Total Districts (Covered)** : 5 Nos  
**Total Firkas in Study Area** : 107 Nos  
**Average Normal Rainfall** : 720 mm (100 years)

Sl. No	District	Area Sq. Km.	No. of Firkas	No. of OE and Critical Firkas
1	COIMBATORE	1,543	21	16
2	DINDIGUL	4,381	36	21
3	ERODE	260	8	5
4	KARUR	1,425	12	8
5	TIRUPPUR	4,676	30	24
	<b>Total</b>	<b>12,285</b>	<b>107</b>	<b>74</b>

Figure – 1. 1. Administrative Details of Amaravathi basin



Land use, Cropping and irrigation data have been collected from Statistical department. After plotting the available historical data on 1:50,000 scale maps, data gaps were identified and data generation process was taken up in those gap areas to complete the Aquifer map on the desired resolution of 1:50,000 scale.

### **1.7. Data Gap Analysis & Data Generation:**

The study area is having 162 monitoring wells of CGWB, 172 wells of State department, to monitor the regime of the aquifer - I and 15 piezometers for the aquifer - II to know aquifer parameters. Dug wells (134 Nos.) have been established to monitor the phreatic aquifer (Aquifer – I) and 33 bore wells drilled down to a depth of 200 meter below ground level (m bgl) to know the aquifer characters of semi-confined aquifer system (Aquifer – II), which is extensively developed in recent years, during micro level study. Quality monitoring was carried out through 66 Nos. of existing dug wells and from all the 139 wells established during study for first phreatic aquifer and are analyzed in order to assess the groundwater quality for drinking and irrigation purposes. Similarly as per the proposed data gap analysis of aquifer mapping, 21 new VES have been taken up down to the depth of 200 m bgl, in addition to the existing 279 VES points, to know the vertical characteristics of the aquifer down to 200 mbgl.

### **1.8. Climate and Rainfall**

The basin area experiences tropical climate being hot and dry for the greater part of the year. The period from March to June is generally hot. The temperature ranges from 20 to 38°C. The area receives rainfall through both south-west and north-east monsoons. About 40% of the precipitation is contributed by south-west monsoon and north-east monsoon accounts for 50 to 60 %. The average annual rainfall for the basin area is 720 mm with minimum rainfall of 530.6 mm to maximum rainfall of 1720 mm.

### **1.9. Physiography:**

The Amaravathi basin has two distinct topographical features. The hilly terrain occupies the southern, southwestern and western parts of the basin between the elevation 2300 meters above mean sea level (mamsl) and 500 mamsl and the undulating plains with stray hillocks lie between 500 and 40 mamsl. The basin is more or less fan shaped and has a length of about 174 km from west to east and maximum length of 137 km from south to north.

### **1.10 Geomorphology:**

The southern part of the basin is covered with series of hill ranges of Kodaikanal and form upland (**Figure – 1. 2**). Many lower order streams flowing from this upland region join in the Chinnar River. Pediments form on northern and eastern parts of the basin. More than 90% of the area is occupied by upland and pediment zones. Structural and residual hills, pediplains are the other geomorphic features manifested in the basin in lower proportion.

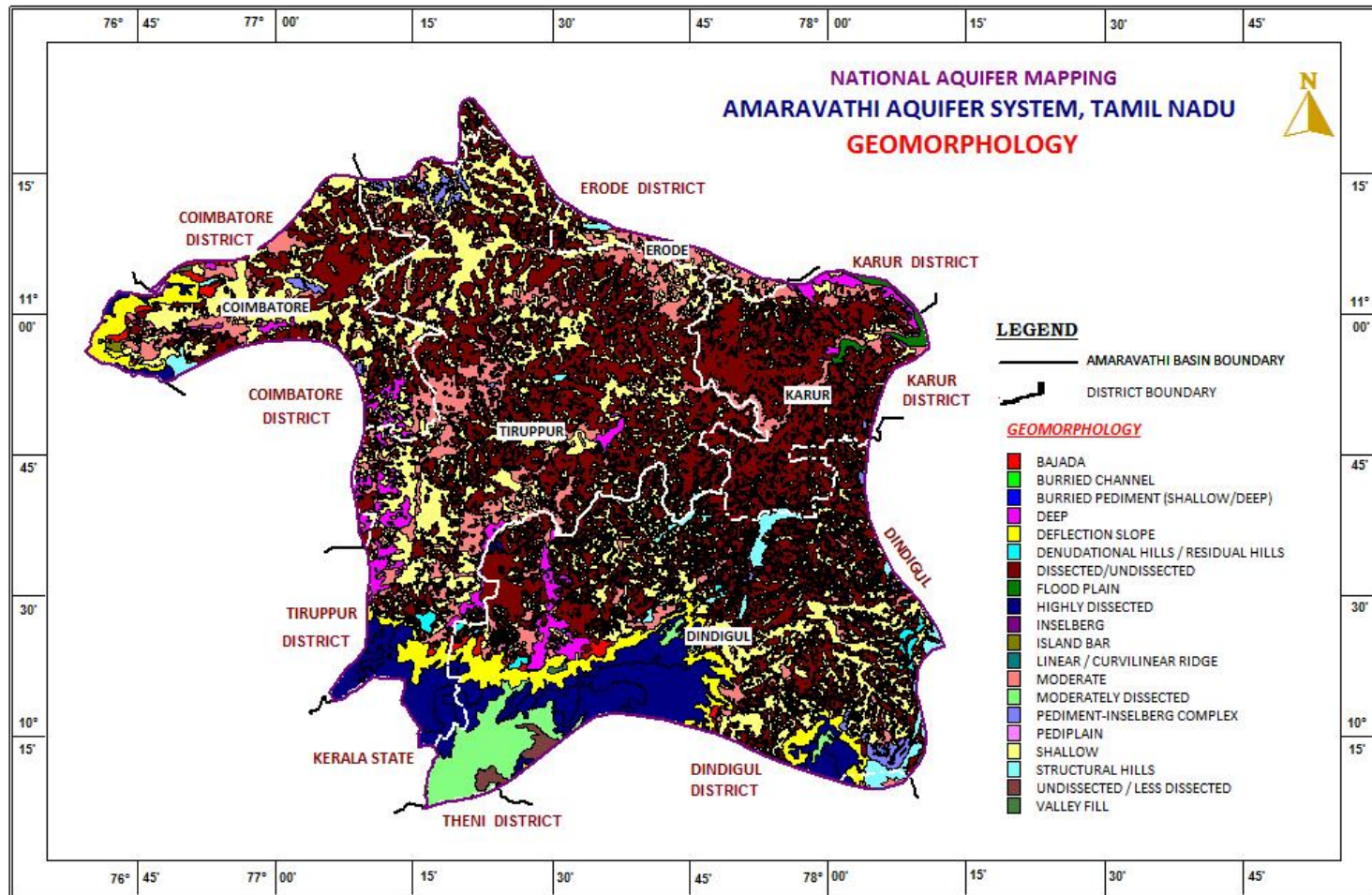


Figure – 1. 2. Geomorphology, Amaravathi basin.

### 1.11. Land Use

Seventy-eight percent of the study area falls under agriculture, Forests occupy mainly on western and southern parts of the basin (11%), of the mapping area. Fallow land accounts for 4% and Urban and rural settlements confined to 5% of the total geographical area. Water bodies including the Amaravathi reservoir and the Aliyar reservoirs and irrigation tanks etc., spread over 0.11 % of the geographical area. The remaining part of the basin is occupied by scrubs and stony waste, **Figure – 1. 3.**

### 1.12. Soils

The soils of the basin mainly consist of red soil, black cotton soil, sandy loam and forest loam. The black (or) regular loam is very fertile due to its moisture absorbing character. On the other hand the red ferruginous soil is good for plant productivity. The soils in the basin are generally deep, loose and friable with its colour varying from red to dark reddish brown. The soils of the basin have low nitrogen and phosphate content. The highly undulating terrain in the basin especially in the upper reaches accelerates run-off causing soil erosion. Agricultural soils types are given in **Figure – 1.4.**

### 1.13. Geology

Geologically the entire area is covered with crystalline rocks of Granitic Gneiss, Granites and charnockites (**Figure – 1.5**). The weathered and fractured Granitic gneiss is the principle aquifer system, followed by Charnockites. Quartz vein intrusions are observed as out crops in porphyritic granites. Un-consolidated deposits comprising alluvial sands, clay, occur in isolated narrow patches along the Amaravathi and Noyil rivers and major streams.

### 1.14. Hydrology and Drainage

The Amaravathi rises in the Anjanad Valley in the Kerala State between the Anaimalai and the Palani hills. The Chinnar River originates from Anamalai hills joins with another river called Tenar of Palani hills, and form a Amaravathi river. It descends in a northerly direction and debouches into the plains near Kallapuram at the mouth of the Anjanad Valley in the Udumalpet taluk. It then runs north-east and receives the Kudiriyar from the Dindigul district on the right at Kumaragam. Thereafter, it flows into the Dindigul district to emerge again into the Dharapuram taluk. Here, after passing the town of Dharapuram and receiving the Uppar on its left, it goes along a winding course, fed by a few small streams, and finally leaves the district and enters the Karur district and falls into the Cauvery at Kattalai in the Kulitalai taluk. Fed by the south-west monsoon, it flows with some regularity from June to the end of August; then-it-falls to some extent in September, but rises again with the north-east monsoon till November, when it begins to fall once more until March at the end of which it is practically dry. Its banks are low and its water is fully utilized for irrigation of good quality along its entire course as a dam named Amaravathi Reservoir (**Figure – 1. 6**) was constructed near Kallapuram on the mouth of Anjanad Valley in Udumalai taluk of district.

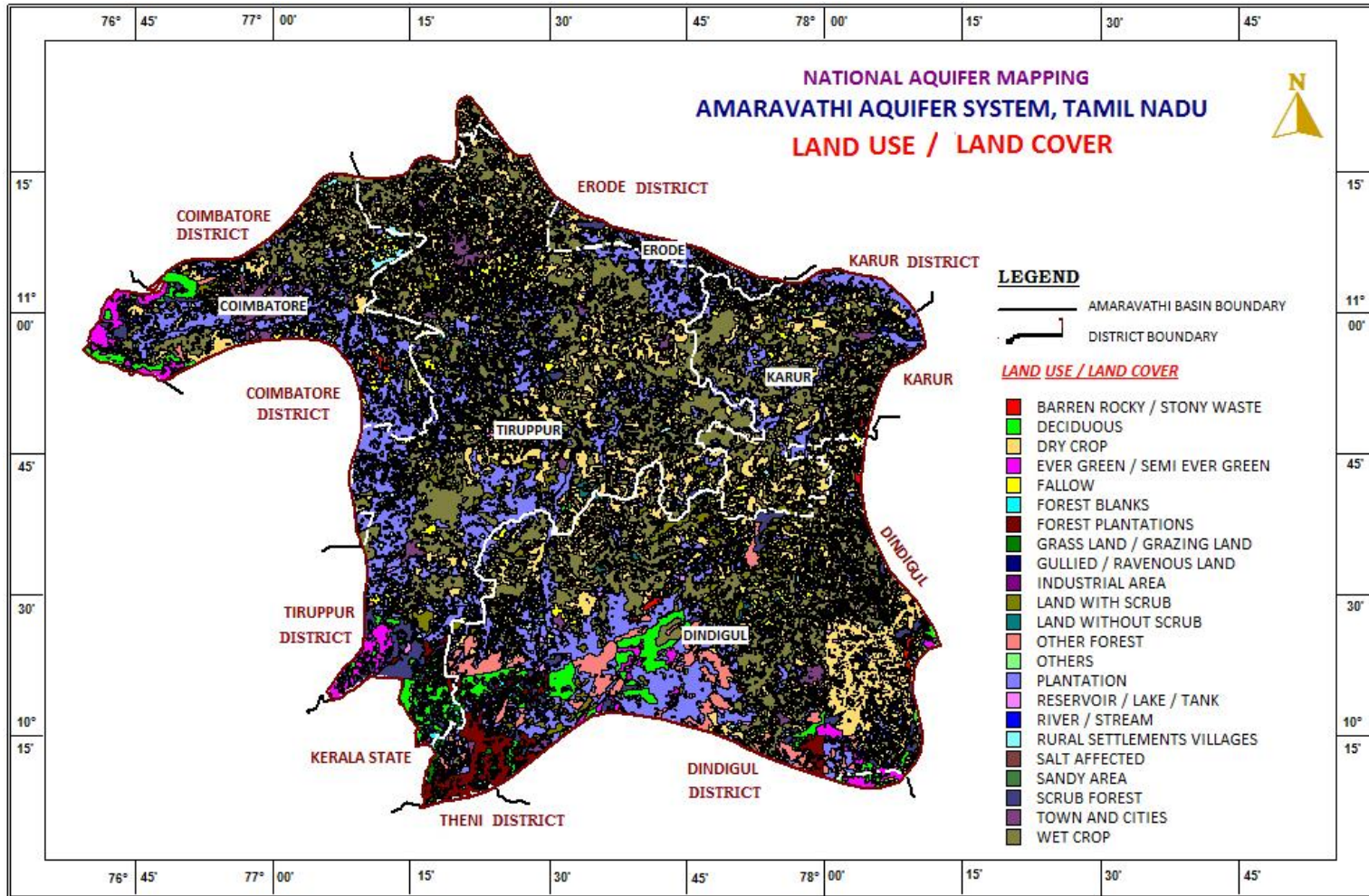


Figure –1.3. Land Use / Land Cover, Amaravathi basin, Tamil Nadu

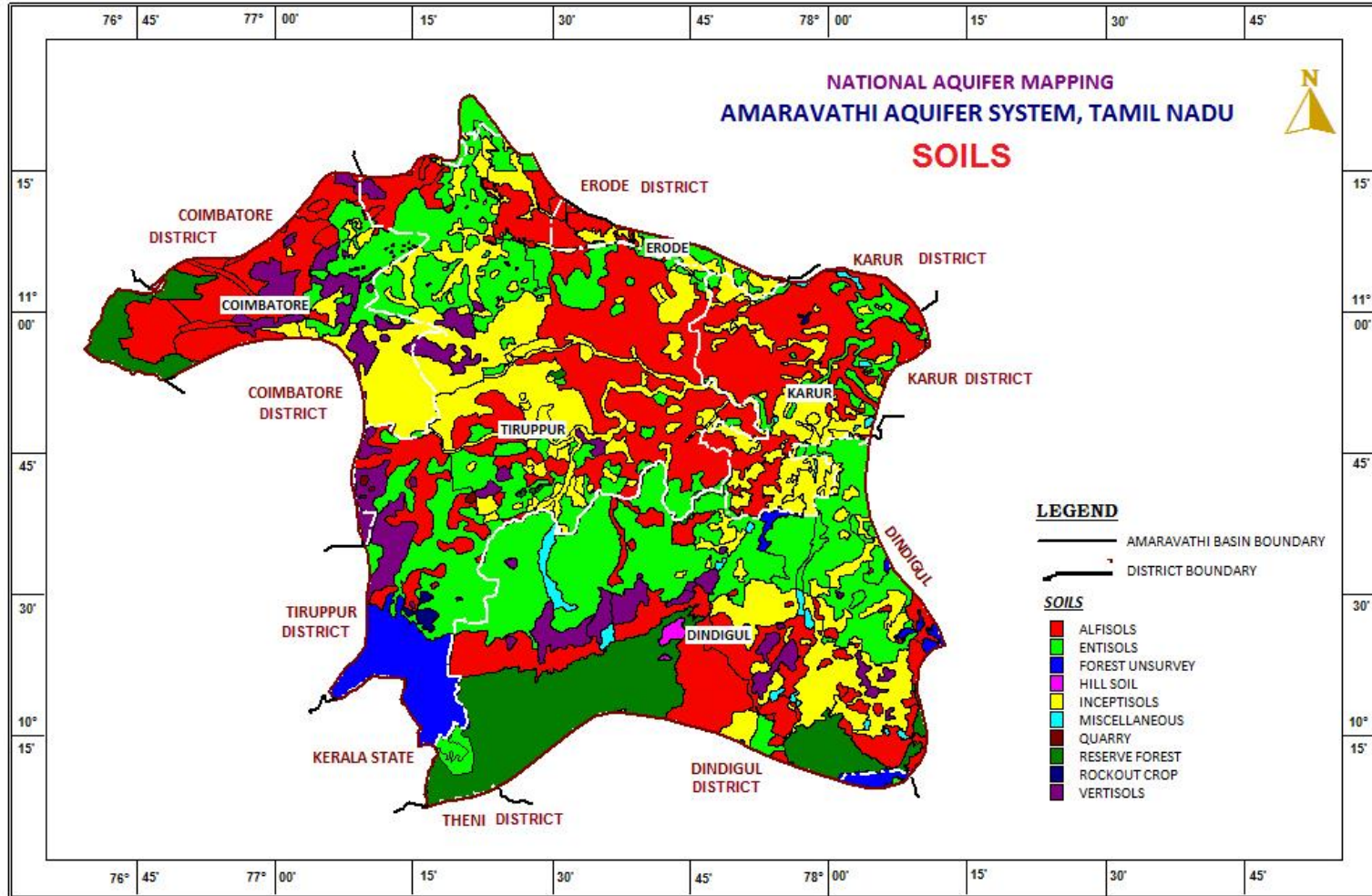


Figure –1. 4. Soils, Amaravathi basin, Tamil Nadu

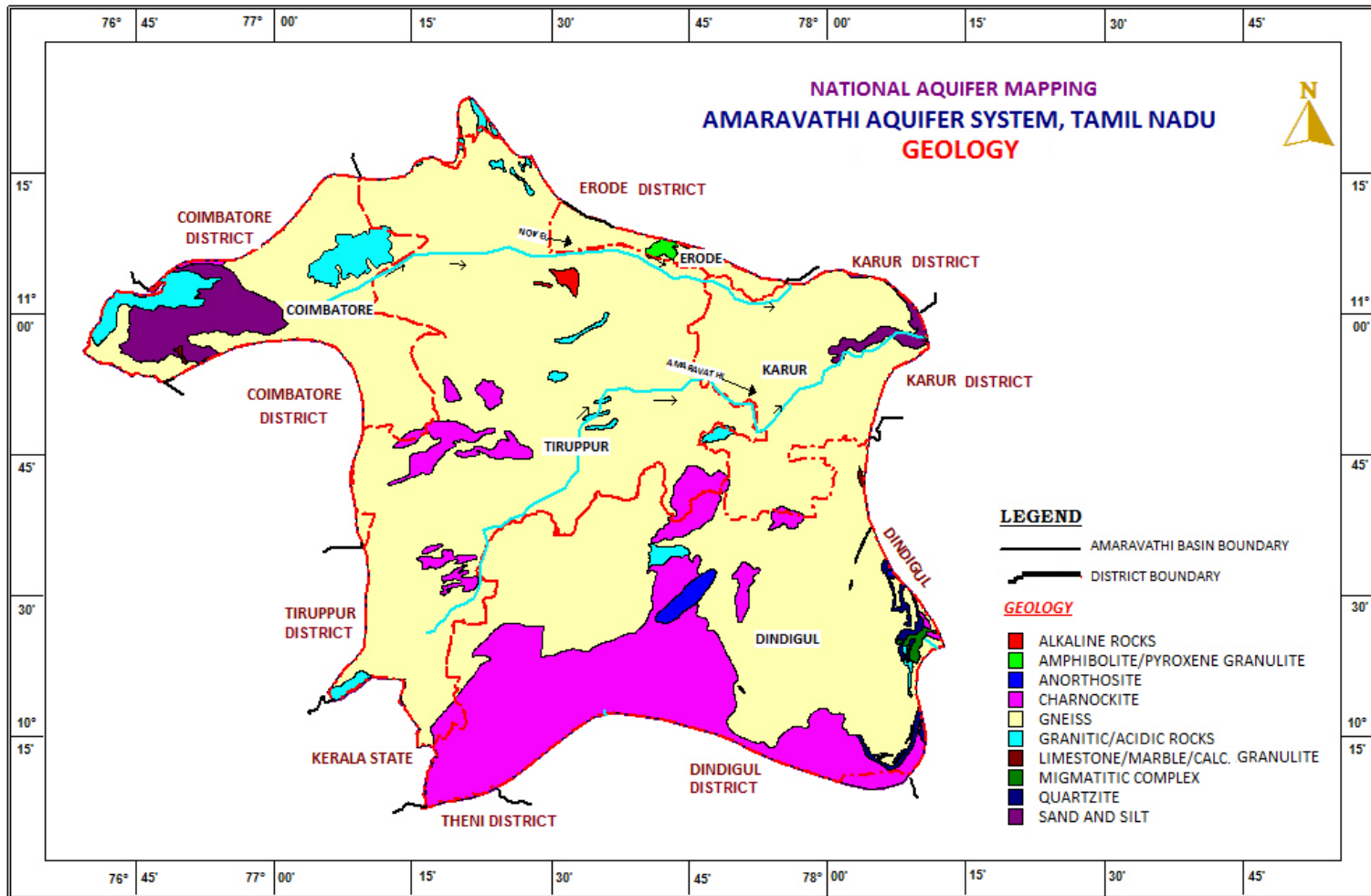


Figure – 1. 5. Geology, Amaravathi basin, Tamil Nadu

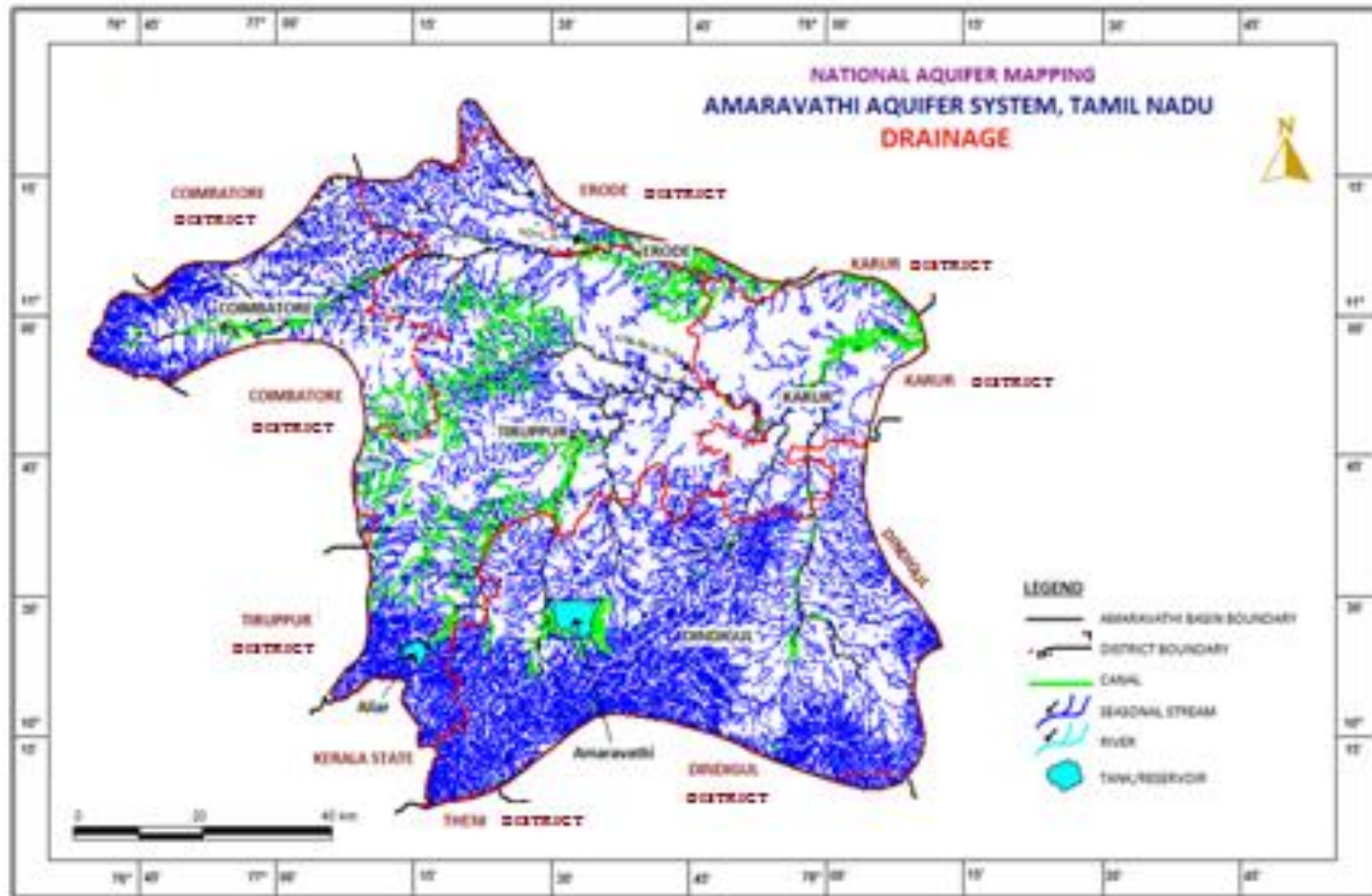


Figure – 1. 6. Drainage, Amravathi basin, Tamil Nadu

### 1.15. Agriculture

Agriculture is the main stay of the rural population in the entire study area. The main crops irrigated are paddy, sugarcane, banana, groundnut, maize, cotton, ragi, etc., and other minor crops are turmeric, flowers and vegetables. Total area cultivated in the study area is 49,0426 Ha., which is about 40% of the geographical area of the basin.

### 1.16. Irrigation

The total area irrigated under different crops is 338088 Ha out of the total geographical area of 12,28,500 Ha, which accounts for 27.52%. Out of the 107 firkas of the basin the highest area under irrigation is in Pethampatti of Tiruppur district (68.13% of firka area) followed by Kurichikottai of Tiruppur district (59.36%), Arachalur of Erode district (65.43%), while the lowest area irrigated in Thandikudi firka of Dindigul district (<0.3% of the respective geographical area, as it is a hilly area). The irrigated area within the basin is relatively more in Tiruppur district part followed by parts of Dindigul and Coimbatore districts. The least area irrigated is in Karur district.

### 1.17. Recharge Practices

Groundwater is being augmented through the recharge structures by departments/agencies of State such as, AED, Agricultural Department, PWD, TWAD Board and Forest Department. In addition, recently PWD is taking up Repair, Renovation and Restoration (RRR) of surface water bodies with central fund, which will be of immense use in groundwater augmentation in addition to the increase in storage capacity of the tanks.

## 2.0 DATA COLLECTION AND GENERATION

Collection, compilation and generation for aquifer mapping studies are carried out in conformity with EFC document of XII - plan of CGWB encompassing various activities (Table - 2.1).

Table - 2.1. Brief activities showing data compilation and generations

S. No.	Activity	Sub-activity	Task
1	Compilation of existing data/ Identification of Principal Aquifer Units and Data Gap	Compilation of Existing data on groundwater	Preparation of base map and various thematic layers, compilation of information on Hydrology, Geology, Geophysics, Hydrogeology, Geochemical etc. Creation of data base of Exploration Wells, delineation of Principal aquifers (vertical and lateral) and compilation of Aquifer wise water level and draft data etc.
		Identification of Data Gap	Data gap in thematic layers, sub-surface information and aquifer parameters, information on hydrology, geology, geophysics, hydrogeology, geochemical, in



S. No.	Activity	Sub-activity	Task
			aquifer delineation (vertical and lateral) and gap in aquifer wise water level and draft data etc.
2.	Generation of Data	Generation of geological layers (1:50,000)	Preparation of sub-surface geology, geomorphologic analysis, analysis of land use pattern.
		Surface and sub-surface geo-electrical and gravity data generation	Vertical Electrical Sounding (VES), bore-hole logging, 2-D imaging etc.
		Hydrological Parameters on groundwater recharge	Soil infiltration studies, rainfall data analysis, canal flow and recharge structures.
		Preparation of Hydro-geological map (1:50,000 scale)	Water level monitoring, exploratory drilling, pumping tests, preparation of sub-surface hydro-geological sections.
		Generation of additional water quality parameters	Analysis of groundwater for general parameters including fluoride.
3.	Aquifer Map Preparation (1:50,000 scale)	Analysis of data and preparation of GIS layers and preparation of aquifer maps	Integration of Hydrogeological, Geophysical, Geological and Hydro-chemical data.
4.	Aquifer Management Plan	Preparation of aquifer management plan	Information on aquifer through training to administrators, NGO's, progressive farmers and stakeholders etc. and putting in public domain.

Periodical data pertaining to water levels, pumping tests and slug tests were collected during aquifer mapping studies apart from water sample collection to assess the groundwater quality. In addition Geophysical data has been generated through conducting Geo-electrical soundings after evaluation of data gap analysis.

### 2.1. Hydro-geological Data

The periodical monitoring of groundwater level implies the groundwater recharge and discharge (natural and manmade) occurring in the aquifer systems. There were 162 (Nos.) of groundwater monitoring wells existed earlier to the present studies, which were monitored periodically. To fill data gap in the basin, 134 Nos. of additional wells (**Figure – 2.1**) were established and monitored periodically during the aquifer mapping study period, in order to record the temporal and special changes in aquifer system. The details

of monitoring wells are presented as **Annexure – (Ia, Ib, Ic and Id)**. The groundwater level monitoring was carried out four times in a year since May 2012 to Jan. 2015.

## 2.2. Hydro-chemical Data

The groundwater quality of the basin was studied by collecting water samples from dug wells and bore wells. The sample locations were plotted on the map and identified data gap (**Figure – 2.1**). In the basin, groundwater quality of 66 wells were monitored periodically. To fill data gap in the basin, 139 Nos. of water samples were collected during micro level study from the study area in different aquifers (Aquifer - I & Aquifer - II) to assess the groundwater quality for drinking and irrigation purpose. The analytical results are given as (**Annexure - IIa**) & (**Annexure - IIb**) for aquifers - I & II respectively. Groundwater quality data has also been collected from TWAD, Govt. of Tamil Nadu.

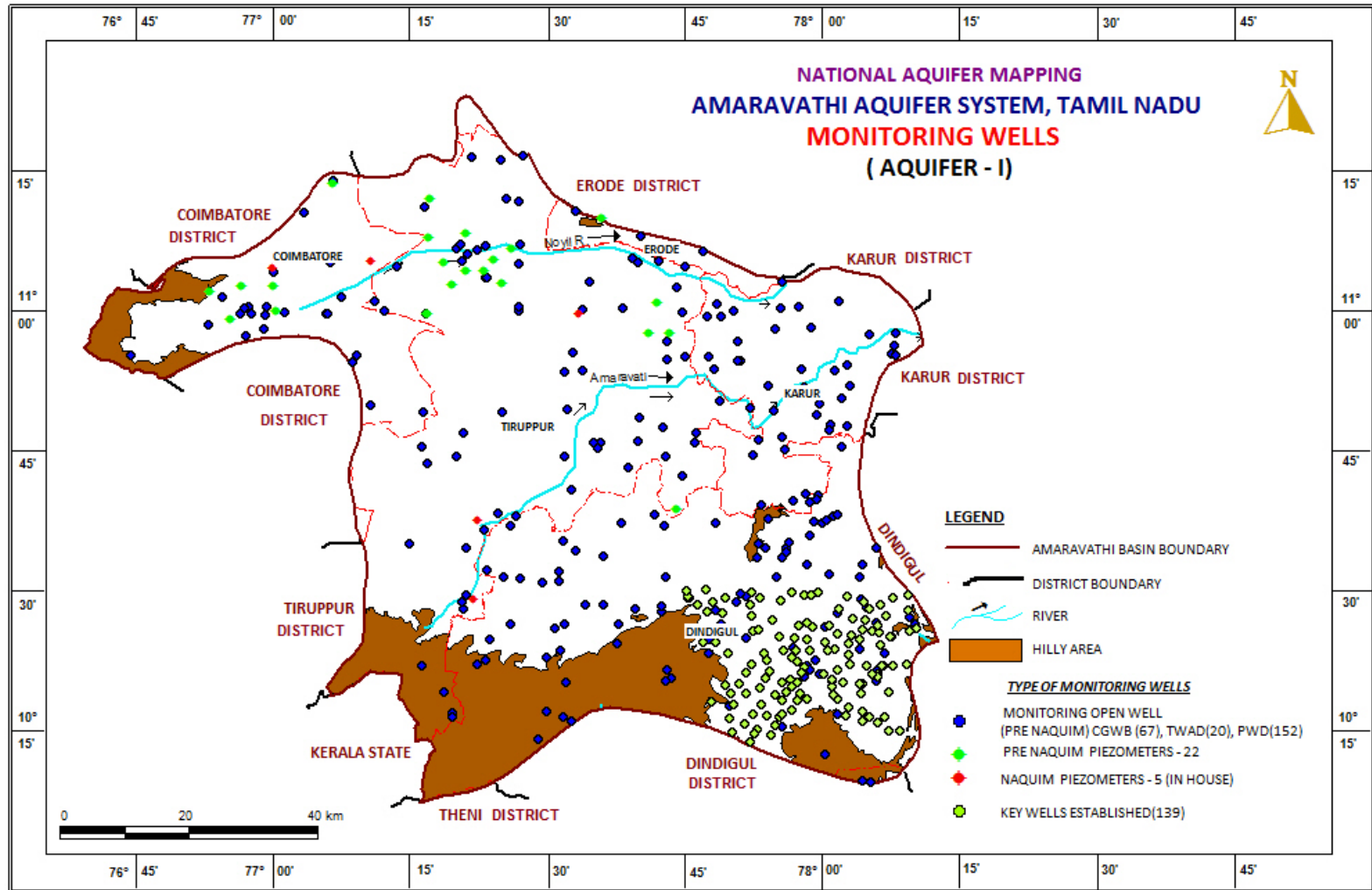
## 2.3. Geophysical Data

The geophysical survey was conducted in the study area consisting of Vertical Electrical Soundings (VESs) by employing Schlumberger configuration with maximum half current electrode separation of 400m. The objective of the study was to decipher the sub-surface conditions such as; weathered and fractured layer resistivity and thicknesses, and massive formations, down to the depth of 200 mbgl. In all VESs were available in the survey area. The data was acquired by deploying the CRM 500 Aquameter and WDDS-2/2B Digital Resistivity meter by adopting the Schlumberger electrode configuration with a maximum current electrode separation (AB) of 400m. The data was processed and interpreted by IPI2Win software developed by Moscow State University, after marginally modifying the manually interpreted results keeping in view the local geology and hydrogeology. A total number of 21 VES were carried out during micro level survey and geo-electric layers inferred through interpretation of the results obtained. The locations of the VES are presented in the **Figure – 2.2**.

## 2.4. Groundwater Exploration Data

A total of 147 Nos. of exploratory wells were drilled in the basin under Groundwater exploration activity of the CGWB, SECR, Chennai prior to National Aquifer Mapping project (**Figure – 2. 3**). These wells were plotted on the 1:50,000 scale topographical map. As per the National Aquifer Mapping guidelines for the hard rock, data requirements were identified on the plotted topographical map. Based on the data requirements, 17 Nos. of exploratory wells were drilled in the micro level aquifer mapping area of the basin as part of the data generation. The data such as lithology, fracture depth, yield, water level, aquifer properties were generated and utilized to depict the prevailing aquifer systems of the basin [**Annexure – III(a), III(b) and III(c)**]. Similarly data of wells drilled by state department has also been collected.

Figure –  
2.1.  
Water  
Quality



Monitoring Wells in Amaravathi basin, Tamil Nadu

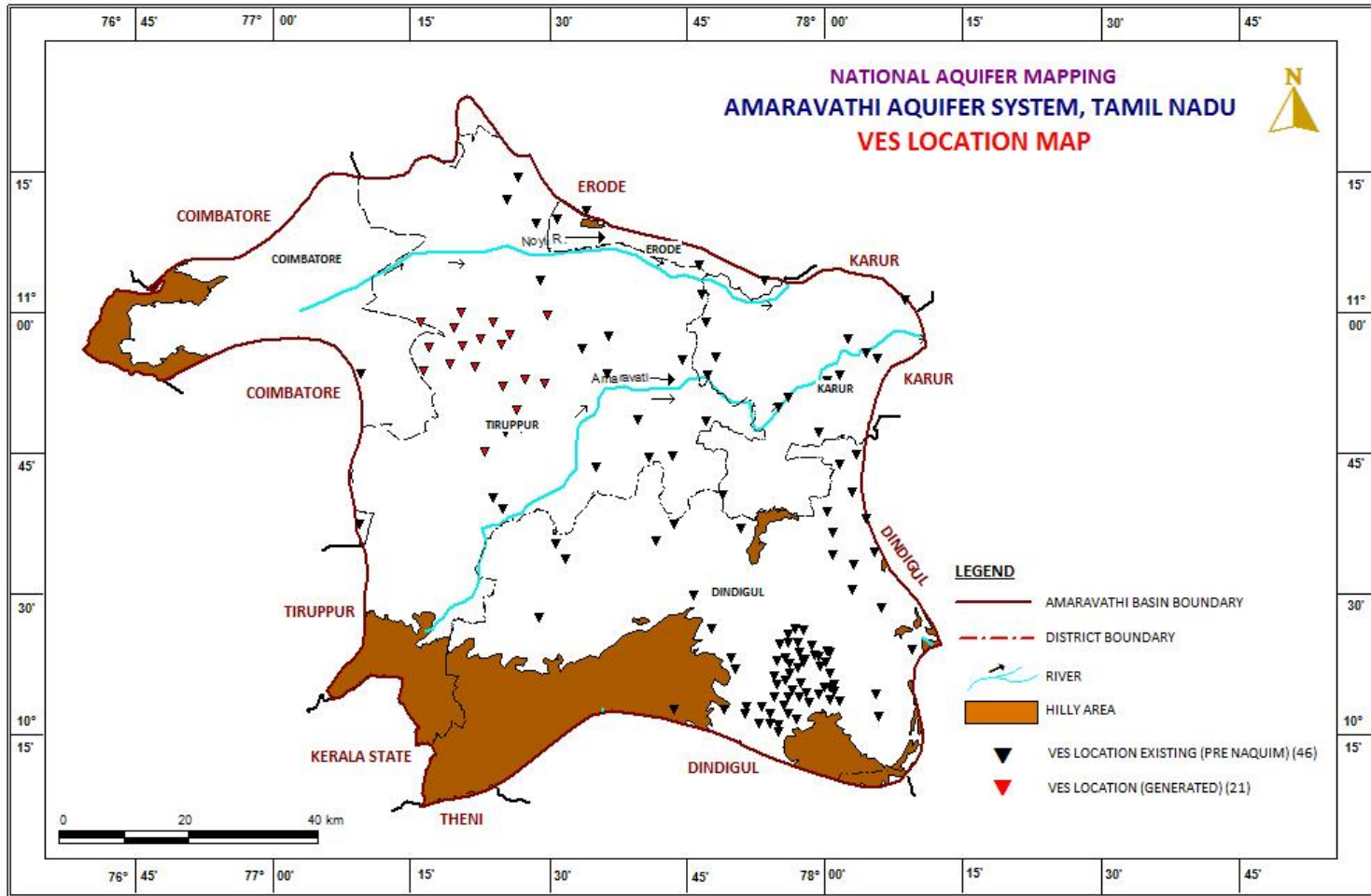


Figure – 2. 2. Locations of VESs conducted in Amaravathi basin, Tamil Nadu

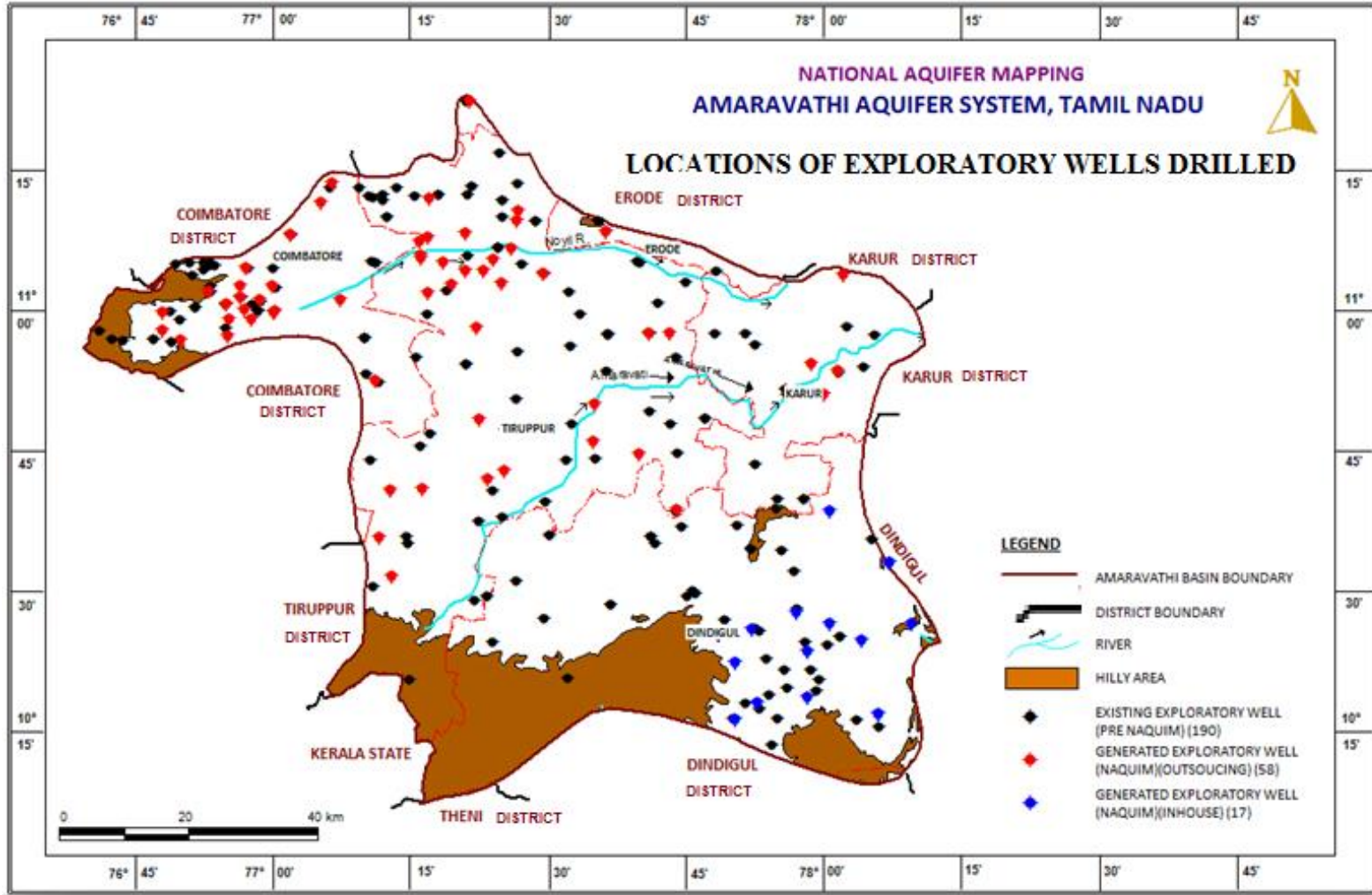


Figure – 2. 3. Locations of Exploratory wells drilled in Amaravathi basin, Tamil Nadu

### 3. DATA INTERPRETATION, INTEGRATION AND AQUIFER MAPPING

#### 3.1. Hydrogeological Data Interpretation

##### 3.1.1 Groundwater Level

During Aquifer Mapping studies in Amaravathi basin, the data of 162 Groundwater monitoring wells (66 dugwells, 43 shallow piezometers tapping Aquifer -I and 53 deep piezometers tapping Aquifer - II.) which are being monitored regularly were used along with 134 key wells established in different formations in order to know the behaviour of the groundwater regime. Out of total 134 wells, 30 wells were established in Charnockite, 85 in Gneiss, 14 in Granite, 5 each in Biotite gneiss and Migmatite formations respectively. The water levels were monitored from May 2012 to January 2016 (four times in a year). The depth of key wells ranged from 5.00 to 30.5 mbgl.

##### 3.1.1.1 Pre Monsoon Depth to Water Levels of Aquifer - I (May 2015)

The water level data, pertaining to the period of May 2015 (pre monsoon), of key wells inventoried and national groundwater monitoring wells, was used for the preparation of depth to water level map (Figure – 3.1) of the basin. The depth to water level during May 2015 is varied from 1.10 mbgl (Sulur, Sulur firka, Coimbatore district) to 42.25 mbgl (Vadavalli, Thondamuthur Firka, Coimbatore district.) Water levels ranging from 0 to 2 mbgl is seen in 28 wells (12%), whereas >2 to 5 mbgl range is seen in 53 wells (23%). Water levels ranging from >5 to 10 mbgl is observed in 78 wells (33%) Water levels ranging from >10 to 20 mbgl is observed in 55 wells (24%), Water levels ranging from >20 to 40 mbgl is shown in 13 wells (6%). water level of > 40 mbgl is observed only in 4 wells (2%). Major part of the basin shows water level in the range of 5 to 10 mbgl. Water level in the range of >2 to 5 mbgl is found in central portion of basin. Water levels ranging >5 to 10 mbgl are observed in NW and SE parts of the basin. Water levels of >10 to 20 mbgl are observed in Dindigul and Ottanchatram, in the SE of the basin and Sulur and Pongalur firkas in NW part of the basin. Water levels in the range of >20 to 40 mbgl are observed in North –western fringes of the area i.e., in Gopichettipalayam and Perinackinayanpalyam and Gujiliamparai firkas of the basin.

##### 3.1.1.2. Pre monsoon Depth to Piezometric Surface of Aquifer - II (May 2015)

During May 2015, the depth to piezometric surface in the deeper aquifer in the basin ranged from 0.45 mbgl (Udumalpet PZ, Coimbatore district) to 113.35 mbgl (Ponnapuram pz, Erode district). Depth to piezometric surface of < 2 mbgl observed in 4 piezometers (PZs) (5%), >2 to 5 mbgl range was observed in 16 PZs wells (19%), >5 to 10 mbgl range was observed in 21 PZs (26%) >10 to 20 mbgl range was observed in 19 PZs (23%). >20 to 40 mbgl was observed in 17 PZs (23%) and > 40 mbgl was observed in 5 PZs (6%).

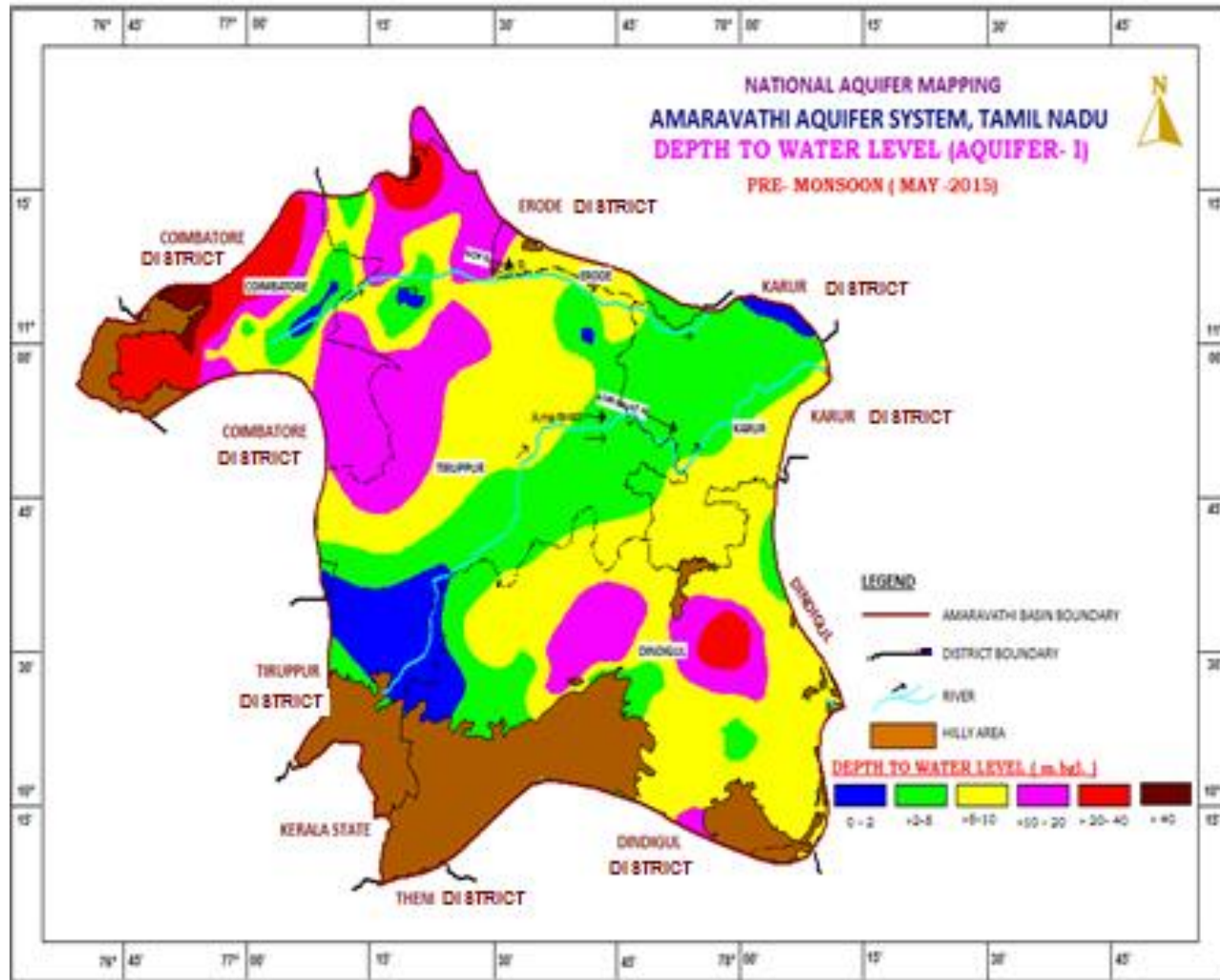


Figure – 3.1. Pre Monsoon Depth to Water Levels of Aquifer - I (May 2015)

**3.1.1.3. Post monsoon Depth to Water Levels of Aquifer - I (January 2016)**

The depth to water level map for the post monsoon period (January 2016), is prepared based on the key wells and national groundwater monitoring wells data of the basin area is presented as (Figure – 3.2). The depth to water levels during this period is varied from 0.98 mbgl (Paramathi, Paramathi firka, Karur district) to 41.53 mbgl (Vadavalli, Thondamuthur Firka, Coimbatore district). Depth to water levels ranging from 0 to 2 mbgl was observed in 44 wells (19%). Water levels ranging from >2 to 5 mbgl is observed in 74 wells (32%), water levels ranging from >5 to 10 mbgl shows in 84 wells (37%), water level ranging from >10 to 20 mbgl is observed in 19 wells (8%), water levels ranging from >2 to 40 mbgl is observed in 8 wells (3%) and 2 wells (1%) show water levels >40 mbgl.

More than one third area of the basin (37%), shows water levels in the range of >5 to 10 mbgl, covering Northwest and south east of Amaravathi river. Next major range is 0 to 2 mbgl (32%) observed infringe areas of central portion of the basin. Water levels ranging >2 to 5 mbgl is observed in central part of basin in Dharapuram and Mullanur firkas. Water levels >10 to 20 is observed in Pongalur and Avinashi firkas. More than 20 to 40 mbgl is observed in Thondamuthur and Thudiliyur firkas.



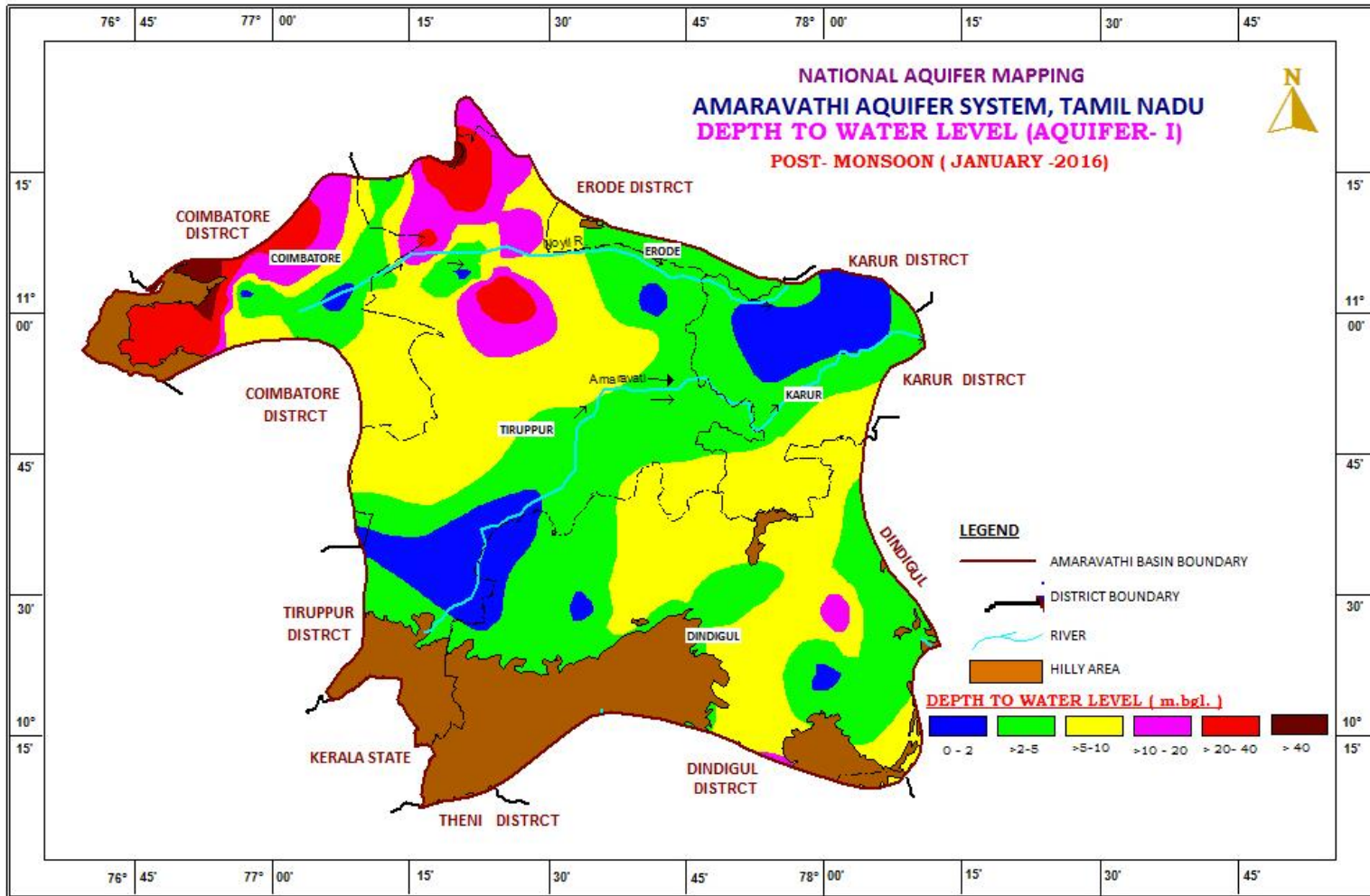


Figure – 3.2. Post monsoon Depth to Water Levels of Aquifer - I (January 2016)

#### 3.1.1.4 Post monsoon Depth to Piezometric Surfaces of Aquifer II (January 2016)

During January 2016, the depth to piezometric surface of the deeper aquifer in the basin area ranges from 0.78 m bgl (Udumalpet Pz, Udumalpet firka, Coimbatore district) to 49.81 mbgl (Kalvirampalayam Pz, Thudiyalur firka, Coimbatore district). Depth to piezometric surface <2 mbgl was observed in 9 PZs (11%) the basin. Piezometric surface ranging from >2 to 5 mbgl is observed in 22 PZs (27%), >5 to 10 mbgl is observed in 21 PZs (26%). piezometric surface in the range of >10 to 20 mbgl recorded in 14 PZs (17%) and >20 to 40 mbgl is recorded in 11 PZs (13%) and >40 mbgl observed in 5 wells (6%). In about 50% of the basin the depth to the piezometric surface is within the range of 2 to 5 and >5 to 10 mbgl.

#### 3.1.1.5 Water Level Fluctuation:

Water level fluctuation in the observation wells in an area between two periods is indicative of the net changes in the groundwater storage during the period in response to the recharge and discharge components and is an important parameter for planning for sustainable groundwater development. The seasonal water level fluctuation in the area has been analyzed using the water level data of May 2015 and January 2016. As both southwest and northeast monsoons are active in the area the fluctuation recorded in groundwater levels of January 2016 in comparison to the water levels of May 2015 indicate the extent of replenishment of the shallow aquifer due to the monsoon rainfall.

The water level fluctuation in the basin ranged from a decline of 3.50 m. (Palladam, Palladam firka, Coimbatore) to a rise of 25.20. m (Vedasundur, Vedasundur firka, Dindigul district) in phreatic aquifer (Aquifer - I) and decline of 21.55 m ( Govindapuram pz, Ponnapuram firka, Tiruppur district to a rise of 22.12 m ( Choladasanpatti Pz, Aravakurichi firka, Karur district) in deeper aquifer (Aquifer - II) during the period of study. The analysis indicates that water levels have risen during post-monsoon period in comparison to pre-monsoon in the major part of the basin, indicating replenishment of phreatic aquifer due to rainfall recharge. Rise in water levels in the phreatic aquifer during the period have been observed in more than 76% of the wells considered. The rise in water levels is in the range of 0.13 to 25.20 m and fall in the range of 0.01 to 3.50m. In Aquifer - II the rise in water levels is in the range of 0.10 to 22.12 m and fall in the range of 0.02 to 21.25m.

In Aquifer – I, rise in the water levels in the range of 0 to 2 m is observed in 86 wells (37%); >2 to 4 m rise observed in 26 wells (11%); and > 4 m rise observed in 64 wells (28%). Fall in the water levels in the range of 0 to 2 m is recorded in 43 wells (19%); of >2 to 4 m fall observed in 7 wells (3%); and > 4 m fall is observed in 5 wells (2%).

In Aquifer – II, rise in piezometric surface in the range of 0 to 2 m is observed in about 40% of PZs, rise in piezometric surface in the range of >2 to 4 m observed in 16% of PZs, and > 4% is observed in 24 % of PZs. In the same aquifer - II fall is in the range of 0 to 2 m observed in 13% of PZs, > 4 m observed in 3% of the PZs.

### 3.1.1.6. Water Table Elevation:

Water table elevation maps of aquifer - I of the basin during May 2015 and January 2016, along with flow lines showing the direction of groundwater movement are prepared and as **Figures - 3.3 & 3.4** respectively. The water table elevation ranges from 150 mamsl (Karur, Vangal - firkas) to 450 mamsl (Alandhurai and Thondamuthur firkas) in the basin. The groundwater movement of the basin is from west to east in Coimbatore, Erode, Tiruppur and Dindigul districts with a gradient of 2.6 m/km and from south to north in districts of Dindigul and Karur where Amaravathi river confluences with Cauvery river (Figure - 3.3).

### 3.1.2 Pumping Tests

Many of dug wells in the area have less than one meter water column during most of the years and about 50% of wells get dry during summers. Most of the time dug wells are used as storage tanks to collect water from a number of bore wells and to distribute the collected water for irrigation as the yield of each bore well is much less to support irrigation. The wells located in favorable hydro-geological settings like shear zones, topographic lows, river alluvium, etc., are able to sustain about 350 m<sup>3</sup>/day for 3 to 4 hrs of pumping. The yield of large diameter wells tapping the weathered mantle of crystalline rocks ranges from 20 to 260 m<sup>3</sup>/day for a drawdown of 2 to 3 m and are able to sustain 1 to 3 hours of pumping. The specific capacity of the porous weathered formation ranges from 7 to 180 lpm/m/dd. The Transmissivity values of the weathered formation computed from pumping tests ranges from 5 to 80 m<sup>2</sup>/day and storativity ranges from 4.37x10<sup>-4</sup> to 7.89x10<sup>-3</sup>. At a very few places the weathered mantle extends down to 35 mbgl.

Due to drilling technology, bore wells for irrigation and drinking water purpose has increased. The depths of bore wells generally vary from 150 to 350 mbgl with yields varying from 0.01 to 4 lps, in general. Occasional high yielding wells of 7.69 lps has also occurred at some places. The duration of pumping tests vary from 500 to 1000 minutes. The maximum drawdowns of the wells ranging 2.5 to 60.10 m. The specific capacity value varies from 5.18 to 10.42 lpm/m. The Transmissivity value of these aquifer system ranges from 9 to 24.56 m<sup>2</sup>/day. The computed storativity value ranges between 0.0378 and 0.00026. Permeability value ranges from 0.015 to 3.54 m/day. Slug tests were conducted on the bore wells drilled by the CGWB. The computed Transmissivity value ranges from 0.42 to 4.5 m<sup>2</sup>/day.

### 3.2. Hydro-chemical Data Interpretation

Chemical composition of groundwater in aquifer is influenced by various factors such as the chemical composition of litho units, composition and permeability of soils, degree and pattern of weathering, etc. It is also influenced by agricultural, drainage and irrigation practices prevalent in the area. The chemical characteristics of groundwater in the phreatic zone in Amaravathi basin has been studied using the analytical data of groundwater samples collected from key wells, Network stations of CGWB and observation wells of State Groundwater Department, Government of Tamil Nadu.

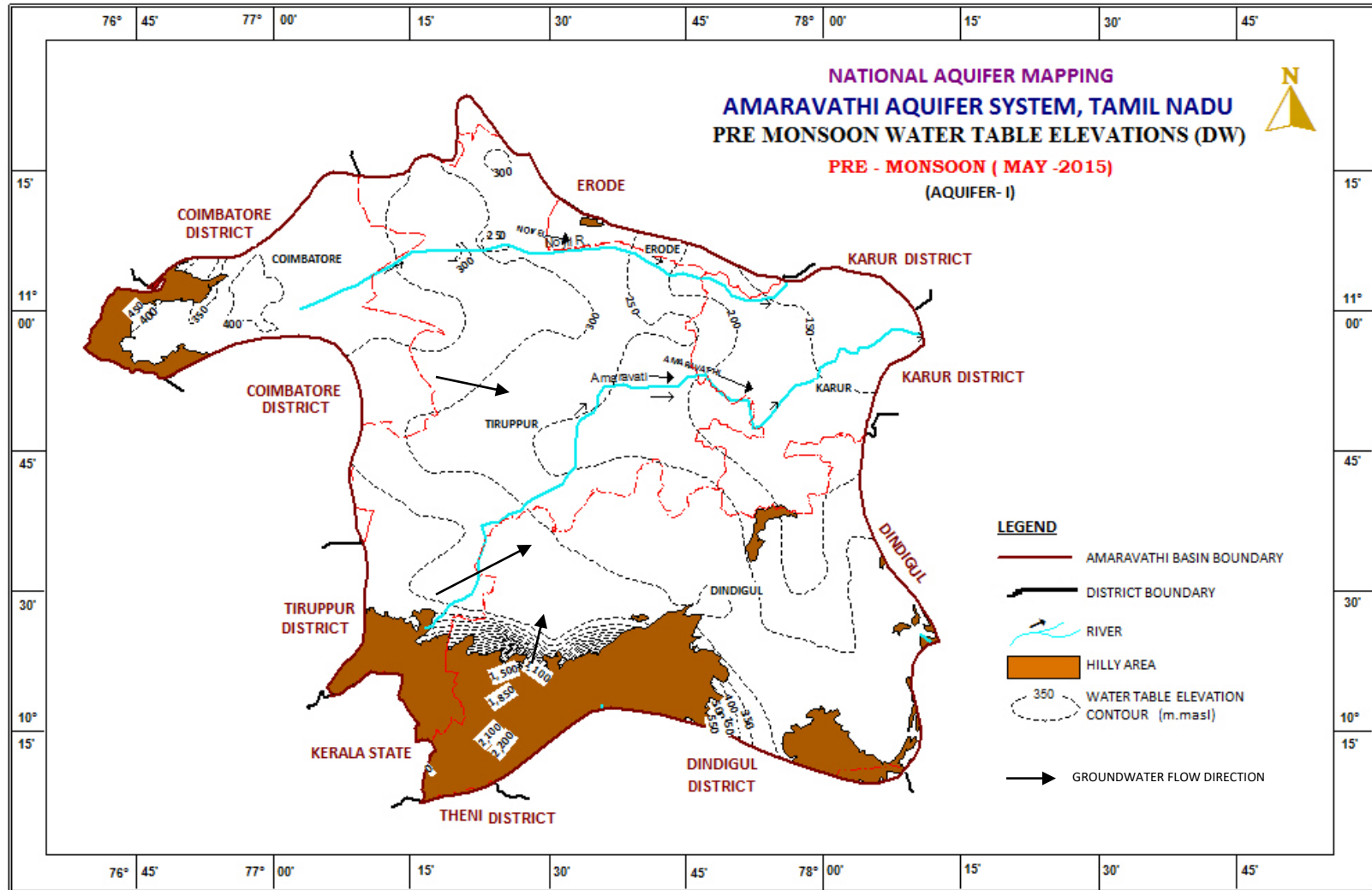
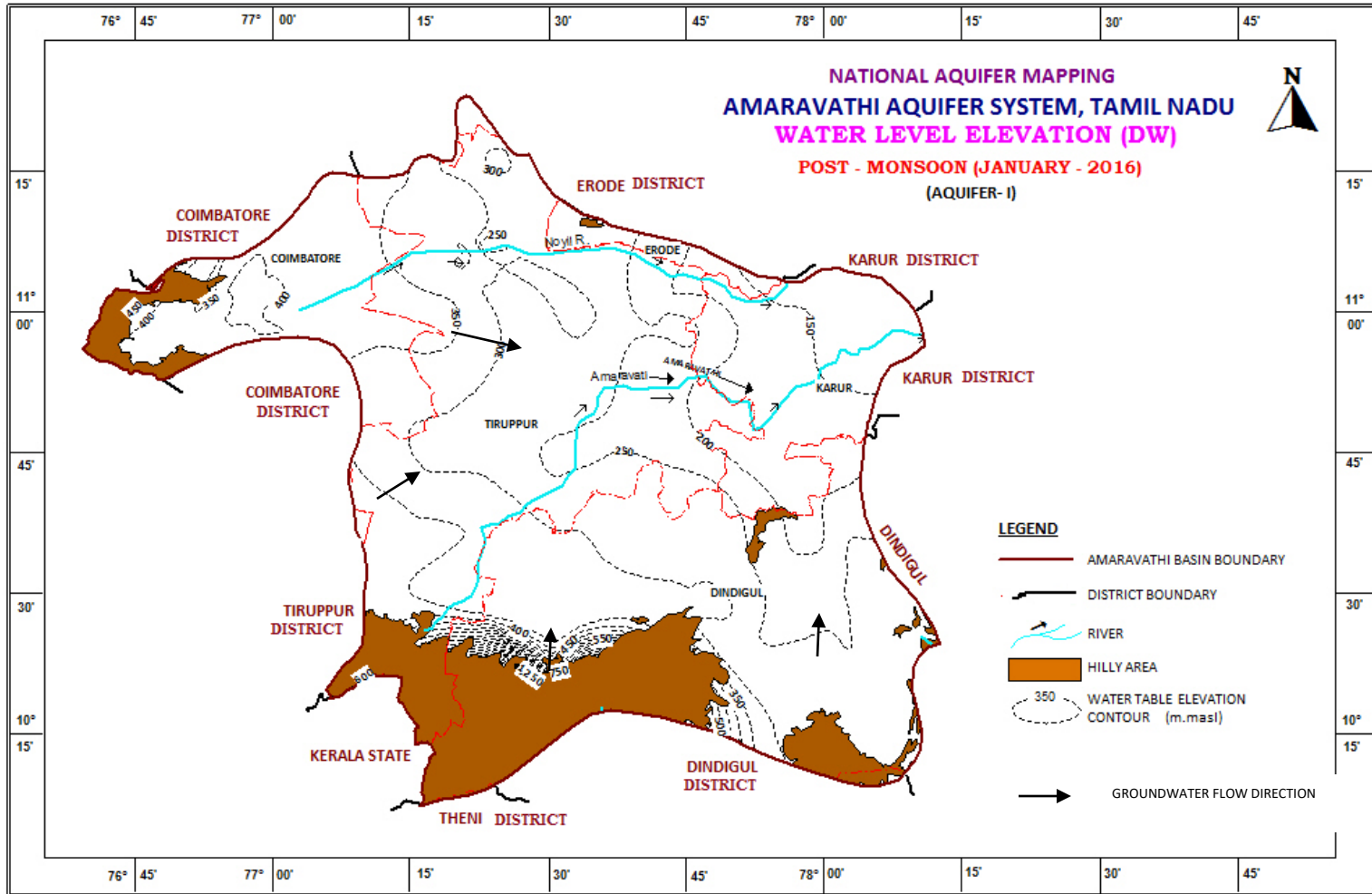


Figure - 3.3. Pre monsoon Water Table Elevations



Figures - 3.4 Post monsoon Water Table Elevations

Table - 3.1. Groundwater quality of Amaravathi basin during May 2015

S. No.	Parameters	Range	No. of sample	%age
1	Electrical Conductivity ( $\mu\text{s/cm}$ at 25°C)	< 750	8	11
		750- 2250	43	60
		>2250- 3000	11	15
		> 3000	10	14
2	Chloride (mg/L )	< 250	42	58
		250-1000	26	36
		> 1000	4	6
3	Fluoride (mg/L )	< 1.0	58	80
		1.0- 1.5	12	17
		>1.5	2	3
4	Nitrate (mg/L )	<4 5	58	80
		45-100	13	18
		> 100	01	2

### 3.2.1. Quality of Groundwater in Phreatic Aquifer:

The analytical data of groundwater samples collected from key wells during May 2015 have been used for detailed study of various aspects of water quality in the basin. Groundwater in phreatic aquifers in Amaravathi basin, in general, is colourless, odourless, and slightly alkaline in nature. The range of concentration of the various chemical constituents and the degree of mineralization in groundwater samples of phreatic aquifers in the area are presented in **Table 3.1 and Table - 3.2.**

Table - 3.2. Chemical Constituents

Chemical Constituents	Range of Chemical Constituents	
	From	To
pH	7.0	8.2
EC ( $\mu\text{S /cm}$ at 25° C)	50	5750
Total Hardness (mg/L )	20	1800
Ca (mg/L )	6	510
Mg (mg/L )	1	340
Na (mg/L )	2	718
K (mg/L )	1	32
HCO <sub>3</sub> (mg/L )	18	732
Cl (mg/L )	4	1602
SO <sub>4</sub> (mg/L )	2	1085
NO <sub>3</sub> (mg/L )	1	124
F (mg/L )	0.29	1.6

The formation water in Aquifer – I is generally alkaline with pH varying from 7.0 (P. N. Palayam, P. N. Palayam block) to 8.2 (Perumal malai, Kodaikanal, block).

The Specific electrical conductance of groundwater in phreatic aquifer is in the range of 50 ((Perumal malai, Kodaikanal, block to 5750  $\mu\text{S}/\text{cm}$  at 25° C (Myanur, Krishnarayapuram block) in the basin. In the major part of the basin EC is in the range of 750 to 2250  $\mu\text{S}/\text{cm}$  at 25° C (60 %). Conductance exceeding 3000  $\mu\text{S}/\text{cm}$  has been observed in parts of Palani, Vedasandur, Krishnarayapuram, Thogamalai, Pollachi (North), Pongalur, and Tiruppur blocks.

Chloride in phreatic groundwater varies from 4 to 1602 mg/L in the basin and is below 500 mg/L in major part of basin. Value 1000 mg/L, more than permissible limit only found in Tiruppur, Vedasandur, Krishnarayapuram blocks. This may be due to human activities in and around the area.

Nitrate is one of the major indicators of anthropogenic sources of pollution. The negative charge and high mobility favors its persistence in nature and transport along the groundwater flow path. Nitrate is the ultimate oxidized product of all nitrogen containing matter and its occurrence in groundwater can be fairly attributed to infiltration of water through soils containing domestic, vegetable and animal waste, fertilizer and industrial pollution. As the lithogenic sources of nitrogen are very rare, its presence in groundwater is almost due to anthropogenic activity. The concentration of Nitrate in the phreatic groundwater ranged between 01(Perumal malai, Kodaikanal block) and 124 (Thoppampatti, Thoppampatti block) mg/L. About 80% of the samples showed the below desirable limit of nitrate, < 45 mg/L for drinking, 18% of the samples showed nitrate between >45 and 100 mg/L and about 2% of the samples showed nitrate above permissible limit of BIS, i. e., > 100 mg/L. These wells fall in Thoppampatti block.

Fluoride exists naturally in all waters derived from the dissolution of fluoride containing minerals. Surface water generally has low fluoride while groundwater may have high concentrations of fluoride as has been found in many parts of the world. The formation of high fluoride groundwater is principally governed by climate, composition of bedrock and hydrogeology. Areas with semi-arid climate, crystalline, igneous bedrock, and alkaline soils are the most affected. Fluoride is an impurity commonly found in phosphate fertilizers used in the agriculture. Accumulation of fluoride in the soils eventually results in leaching by percolation into the groundwater aquifer and thereby increases the concentration of fluoride level. In the shallow groundwater, the concentration of fluoride ranged between 0.29 (Saravanapatti, Sarkarsamakulam block) and 1.6 mg/L (Mayanur, Krishnarayapuram block). About 80 % of samples showed fluoride < 1 mg/L, which is the desirable limit for drinking. About 17 % of samples showed fluoride in the range of 1 to 1.5 mg/L, the maximum permissible limit for drinking in the absence of alternate sources. About 3 % of samples showed fluoride > 1.5 mg/L. These wells are located predominantly in the Krishnarayapuram and Thathone blocks in the study area.

### 3.2.2. Quality of Groundwater in the Fractured Aquifers:

Quality of Groundwater in the fractured zones at depth has been studied using the analytical data of water samples collected from Irrigation wells, Hand pumps during well inventory and exploratory bore wells drilled by CGWB. However, these samples have been collected represent the cumulative quality of all water yielding fractures in the well, they have been used only to get an idea about the water quality of the deeper aquifer as a whole. The range of concentration of the various chemical constituents and the degree of mineralization in groundwater samples of fractured aquifers in the area are presented in **Table – 3.3.**

**Table – 3.3. Range of concentration of the various chemical constituents of fractured aquifers**

Chemical Constituents	Range of Chemical Constituents	
	From	To
pH	7.0	8.6
EC ( $\mu\text{S}/\text{cm}$ at 25° C)	841	8690
Total Hardness (mg/L)	45	1364
Ca (mg/L)	10	280
Mg (mg/L)	05	423
Na (mg/L)	09	1035
K (mg/L)	4	74
HCO <sub>3</sub> (mg/L)	31	732
Cl (mg/L)	25	2446
SO <sub>4</sub> (mg/L)	02	936
NO <sub>3</sub> (mg/L)	1	87
F (mg/L)	0.1	1.8

The Chemical analysis result indicates that there are considerable variations in the chemistry of groundwater from the deeper aquifer as well. The Specific Electrical Conductance of groundwater in the fracture aquifers ranges from 841 ( $\mu\text{S}/\text{cm}$  at 25°C) (Karumbapatti, Karur district) to 8690 ( $\mu\text{S}/\text{cm}$  at 25°C) (Velvarkottai, Dindigul district). Chloride ranges from 25 mg/L (Karumbapatti, Karur district) to 2446 mg/L (Velvarkottai, Dindigul district), Nitrate ranges from 1 mg/L (Sivalasaragu, Dindigul district) to 87 mg/L (Karumansirai, Tiruppur district) and Fluoride ranges from 0.1mg/L (Noyyal, Karur district) to 1.8 mg/L (Sittapatti, Karur district). As the occurrence of groundwater in the deeper zone is restricted to fractures, which may (or) may not have continuity on a regional basis, preparation of maps showing the distribution of groundwater quality has not been attempted. Suitability of groundwater for domestic uses has been analyzed with reference to various constituents and the results are given in **Table – 3.4.**



Table – 3.4. Groundwater quality in different aquifers in Amaravathi basin

S. No.	Parameters	Range	Classification	% of Samples	
				Aquifer - I	Aquifer - II
1	Electrical Conductivity ( $\mu\text{s}/\text{cm}$ at $25^\circ\text{C}$ )	< 750	Fresh	11	6
		750 - 2250	Moderately Fresh	60	61
		>2250 - 3000	Slightly mineralized	15	19
		> 3000	<b>Highly mineralized</b>	14	<b>14</b>
2	Chloride (mg/L)	< 250	Desirable limit	58	60.2
		250 -1000	Permissible limit	36	38.4
		> 1000	<b>Above permissible limit</b>	6	<b>1.4</b>
3	Fluoride (mg/L)	< 1.0	Desirable limit	80	63.1
		1.1- 1.5	Permissible limit	17	27.4
		>1.5	<b>Above permissible limit</b>	<b>3</b>	<b>9.5</b>
4	Nitrate (mg/L)	<45	Desirable limit	80	72.6
		45-100	Permissible limit	18	27.4
		> 100	<b>Above permissible limit</b>	2	Nil

In the study area the pH ranged from 7.0 to 8.2 and 7.0 to 8.6 for aquifer- I and aquifer-II respectively. Most of the samples have pH ranging between neutral and slightly alkaline in nature and are within the limits of drinking water standard of BIS 10500:2012.

### 3.2.3. Electrical Conductivity

Electrical conductivity is the indicator of the total mineral content of water and hence it indicates the total dissolved solids (TDS) present in water. TDS of water determines its usefulness to various purposes. Generally water having TDS <500 mg/L is good for drinking and other domestic uses. However, in the absence of alternative sources TDS up to 2000 mg/L may be used for drinking purposes.

The phreatic aquifer groundwater quality is fresh in about 11%, as indicated by the EC value <750  $\mu\text{s}/\text{cm}$  at  $25^\circ\text{C}$ . In about 60% of the samples the EC varies between >750 and 2250  $\mu\text{s}/\text{cm}$  at  $25^\circ\text{C}$  indicating the moderately fresh showing, in 15% of the samples EC varies between >2250 and 3000  $\mu\text{s}/\text{cm}$  at  $25^\circ\text{C}$  indicating that the groundwater is slightly mineralized and in about 14% of the samples the EC is more than 3000  $\mu\text{s}/\text{cm}$  at  $25^\circ\text{C}$  indicating that the groundwater is highly mineralized.

The fractured zone groundwater quality is fresh in about 6%, as indicated by the EC value < 750  $\mu\text{s}/\text{cm}$  at  $25^\circ\text{C}$ . In about 61% of the of the samples, the EC varies between >750 and 2250  $\mu\text{s}/\text{cm}$  at  $25^\circ\text{C}$  indicating that groundwater is moderately fresh and in

about 19% of the samples it varies between >2250 and 3000  $\mu\text{s}/\text{cm}$  at 25° C indicating that the groundwater is slightly mineralized and in about 14% of the samples the EC is > 3000  $\mu\text{s}/\text{cm}$  at 25°C indicating that the groundwater is highly mineralized

#### **3.2.4. Chloride**

The concentration of chloride in groundwater of phreatic aquifer is that in about 58% of the samples it is within the desirable limit, whereas, in fractured aquifers in about 60% of samples it is within desirable limit, in about 36% of samples of phreatic aquifer and in about 38% of samples of fractured aquifer are within permissible limit respectively and in about 6% of samples of phreatic aquifer and in 1% of the samples of fractured aquifer are above permissible limit.

#### **3.2.5 Nitrate**

The concentration of Nitrate in the phreatic groundwater shows that about 80% of the samples nitrate below 45 mg/L , the desirable limit, 18 % of the samples showed nitrate between >45 and 100 mg/L and 2 % of the samples showed nitrate more than 100 mg/L, which are above permissible limit. Nitrate concentration in the fractured aquifer shows that about 73% of the samples nitrate is below 45 mg/L, the desirable limit for drinking and in about 27% of the samples showed nitrate between >45 and 100 mg/L and there is no samples showed nitrate >100 mg/L, which are above permissible limit of Bureau of Indian standard (IS 10500:2012).

#### **3.2.6 Fluoride**

In the phreatic groundwater, the concentration of fluoride shows that about 80% of samples fluoride is < 1 mg/L, which is the desirable limit for drinking. About 17% of samples showed fluoride in the range of 1 to 1.5 mg/L, the maximum permissible limit in the absence of alternate sources. About 3% of samples showed fluoride > 1.5 mg/L. In fractured aquifer the groundwater shows that about 63.1% of wells fluoride is in the range of 0 to 1.0 mg/L, in about 27% of the samples it is in the range of >1 to 1.5 mg/L and in about 9.5% of the samples it is >1.5mg/L. It clearly indicates that more number of samples in deeper aquifers have fluoride more than 1.5 mg/L when compared to phreatic aquifer.

### **3.3 Geophysical Data Interpretation**

As discussed in section in 2.3 the VES data generated were interpreted in both qualitative and quantitative manner. Based on the interpreted results of VESs conducted in the area, three to five subsurface geo-electrical layers are revealed by A, H, AA, HA, KH and QHA types of curves. The VES results were standardized based on the local geology & hydrogeology and existing borehole data that the first layer resistivity is varying in the range of 11.2 to 255 Ohm. m, which is top soil. The thickness of this layer is varying in the range of 0.5 to 3 m. The second layer resistivity, which is varying in the range of 12.2 to 250 Ohm. m is considered as weathered formation. In this range, the lower order of resistivity indicates higher weathered content and higher order of resistivity indicates

dryness. The thickness of this formation is varying in the range of 2.5 to 30 m. The resistivity in the range of 34 to 999 Ohm. m was recorded as third and (or) fourth and (or) fifth layer, which was considered as massive formation with fractures at different depths. In general, the thickness of this formation is varying in the range of 20 to 185 m. Based on the VES results, 2 numbers of geo-electric cross sections A - A' and B - B' were prepared using "ROCKWORKS" software and some of the VES curves are correlated with actual lithology and shown as **Figure – 3.5 to 3.7.**

### **3.4 Groundwater Exploration Data Results**

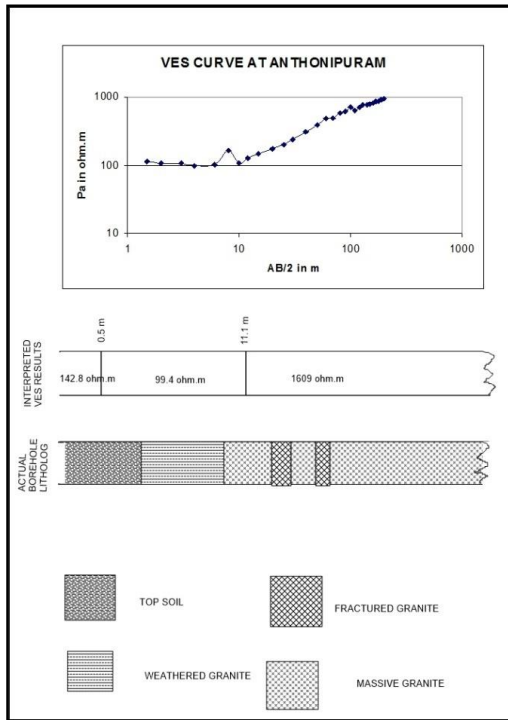
The data generated, as discussed in section 2.4, such as lithology, fracture depth, yield, water level, aquifer properties were and utilized to depict the prevailing aquifer systems of the basin. Depth of Exploratory wells drilled in the basin ranging from 25.16 mbgl (Siruvani Adivaram, Coimbatore district) to 304.10 m.bgl (Kumarapalayam, Coimbatore district). Drilling data of the exploratory wells has revealed the presence of productive fractures in the area underlain by granitic gneiss, granites and charnockites. Over all productive fracture zones have been encountered in crystalline rocks at the depth range of 11 to 199.75 m.bgl at (Sriramapuram, Athur Firka, Dindigul district) in the basin. Discharge of the bore wells in the basin varies from 0.035 to 4.0 litres per second (lps). Wells drilled in Granitic gneiss, yield more than the wells drilled in Chornockites. Wherever the pegmatite and quartz veins intrude the granitic gneiss have yielded exceptionally high discharge (12 lps, Somandhurai chittur of Coimbatore). The fractures encountered in Granitic gneissic rock formations are more than that of other formations. A few of the wells have been abandoned due to poor yield.

Total 265 bore wells data have been analyzed for fracture analysis in the study area. It shows that 1<sup>st</sup> fracture encountered in 20 bore wells with depth vary from 7.00 to 35.00 mbgl. 2<sup>nd</sup> fracture encountered in 80 bore wells with depth varying from 35.00 to 103.21 mbgl. Similarly, 3<sup>rd</sup> fractured encountered in 38 bore wells with depth vary from 80 to 110 mbgl. The fourth fractures were also encountered in 27 bore wells with depth vary from 90.50 to 140.0 mbgl. The remaining bore wells have negligible discharge. Data clearly indicates that generally two fractures are available in the study area with depth of 20.12 to 213 mbgl.

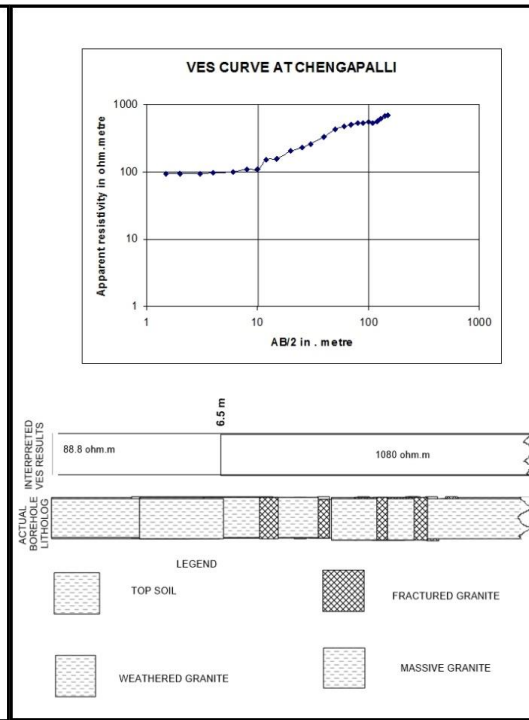
The aquifer mapping studies reveal that the presence of two distinct aquifers in the hard rock formations. They are;

#### **3.4.1. Aquifer - I:**

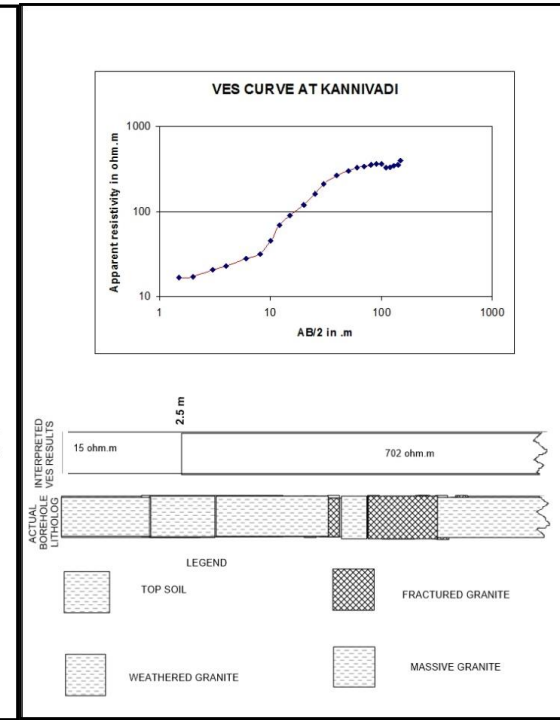
It comprises of weathered, partially weathered and first fracture to some extent in Granitic gneisses, Charnockites and Granitic formations. The depth of occurrence of first aquifer ranges from 0 to 3 mbgl. The aquifer with a thickness of 7 to 35 m is noticed in the study area. The maximum thickness is observed in eastern part of basin in and around Ullappukudi of Dindigul district. The wells located in this aquifer zone yield groundwater of 20 to 260 m<sup>3</sup>/day and sustain 2 to 3 hrs. of pumping. Specific Capacity and Transmissivity values of this aquifer across the basin ranges from 7 to 180 lpm per meter drawdown and 5 to 80 m<sup>2</sup>/day respectively.



**Figure – 3.5. Comparison of VES Results with Actual Bore well litholog at Anthonipuram**



**Figure – 3.6. Comparison of VES Results with Actual Bore well litholog at Chengapalli**



**Figure - 3.7. Comparison of VES Results with Actual Bore well litholog at Kannivadi**

**3.4.2. Aquifer - II**

It comprises of mainly of fractures (secondary porosity) developed during tectonic disturbances, occurs at depth generally ranges from 20.12 to 199.75 mbgl. The maximum yield of wells tapping this aquifer varies from 3 to 345 m<sup>3</sup> /day and sustain for 3 to 5 hrs. of pumping. The Transmissivity value of the aquifer ranges between 0.1 and 110 m<sup>2</sup>/day while the Specific capacity values vary from 0.016 to 15.97 lpm/m drawdown. Storativity of the aquifer ranges from 0.00001 to 0.0214 in the basin.

**3.5. Aquifer Maps**

**3.5.1. 2D models showing Aquifer Disposition**

Based on the lithologs of the exploratory wells and the well sections observed during field studies as part of Aquifer Mapping studies, 2D models of the aquifer system of the basin have been prepared by using “ROCKWORKS” software. The data input for “ROCKWORKS” is prepared in following format as shown in **Table – 3.5** to generate 2D models of the basin along different selected sections.

**Table – 3.5. Database prepared for generation of aquifer models**

**Data – 1**

<b>Bore</b>	<b>District</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Elevation (mamsl)</b>	<b>Total Depth (mbgl)</b>
Sriramapuram	Dindigul	77.81	10.42	305.49	200.00

**Data – 2**

<b>Bore</b>	<b>Depth<sub>1</sub></b>	<b>Depth<sub>2</sub></b>	<b>Lithology</b>
Sriramapuram EW	0	24.15	Weathered
Sriramapuram EW	24.15	199.75	Fractured Zone
Sriramapuram EW	199.75	200.00	Massive

**Data – 3**

<b>Bore</b>	<b>Depth<sub>1</sub></b>	<b>Depth<sub>2</sub></b>	<b>Yielding Fracture</b>
Sriramapuram EW	36.00	36.75	1st Fracture
Sriramapuram EW	198.00	199.75	2nd Fracture

**Data – 4**

<b>Bore</b>	<b>Type</b>	<b>Depth<sub>1</sub></b>	<b>Depth<sub>2</sub></b>	<b>Value (lps)</b>
Sriramapuram EW	Discharge	36.00	36.75	0.20
Sriramapuram EW	Discharge	198.00	199.75	5.40

**Data – 5**

<b>Bore</b>	<b>Depth<sub>1</sub></b>	<b>Depth<sub>2</sub></b>	<b>Stratigraphy</b>
Sriramapuram EW	0	1	Top soil
Sriramapuram EW	1	24.15	Weathered
Sriramapuram EW	24.15	199.75	Fractured
Sriramapuram EW	199.75	200.00	Massive

**3.5.1.1. Section along SW-SE direction (A - A')**

Section along Southwest – Southeast (**Figure – 3.8**) direction in the basin indicates that the 1<sup>st</sup> Aquifer exists above 280 to 360 mamsl with thickness varying from 3.46 to 30.00 m in between. Second Aquifer exists 160 to 280 mamsl with 6.5 to 162 m thickness and 2 to 3 sets of fractures.

**3.5.1.2. Section along SSW- NNE direction: (B - B')**

Section (**Figure – 3.9**) shows that weathered aquifer spreads about 6 to 25.74 m thickness and it thins out at Ponnapuram of Coimbatore district, where the thickness is minimum of 6 m. Fractured aquifer has attained its maximum thickness about 110 m at Talakarai of Tiruppur district. Rest of the stretch of section the fractured aquifer thickness varies from 10 to 80 m with 2 to 3 sets of fractures.

**3.5.2. 3D Models**

3D (**Figure - 3.10**) view shows that spreading of two aquifers throughout the basin with 1<sup>st</sup> aquifer thickness vary from 7 to 35 m and Fracture aquifer spread with thickness vary from 11 to 199.75 m. 3D section indicates that thickness of weathered aquifer is considerably high in north portion compared to south. Thickness of fractured aquifer is considerably high in North & East compare to, West and South of the basin.

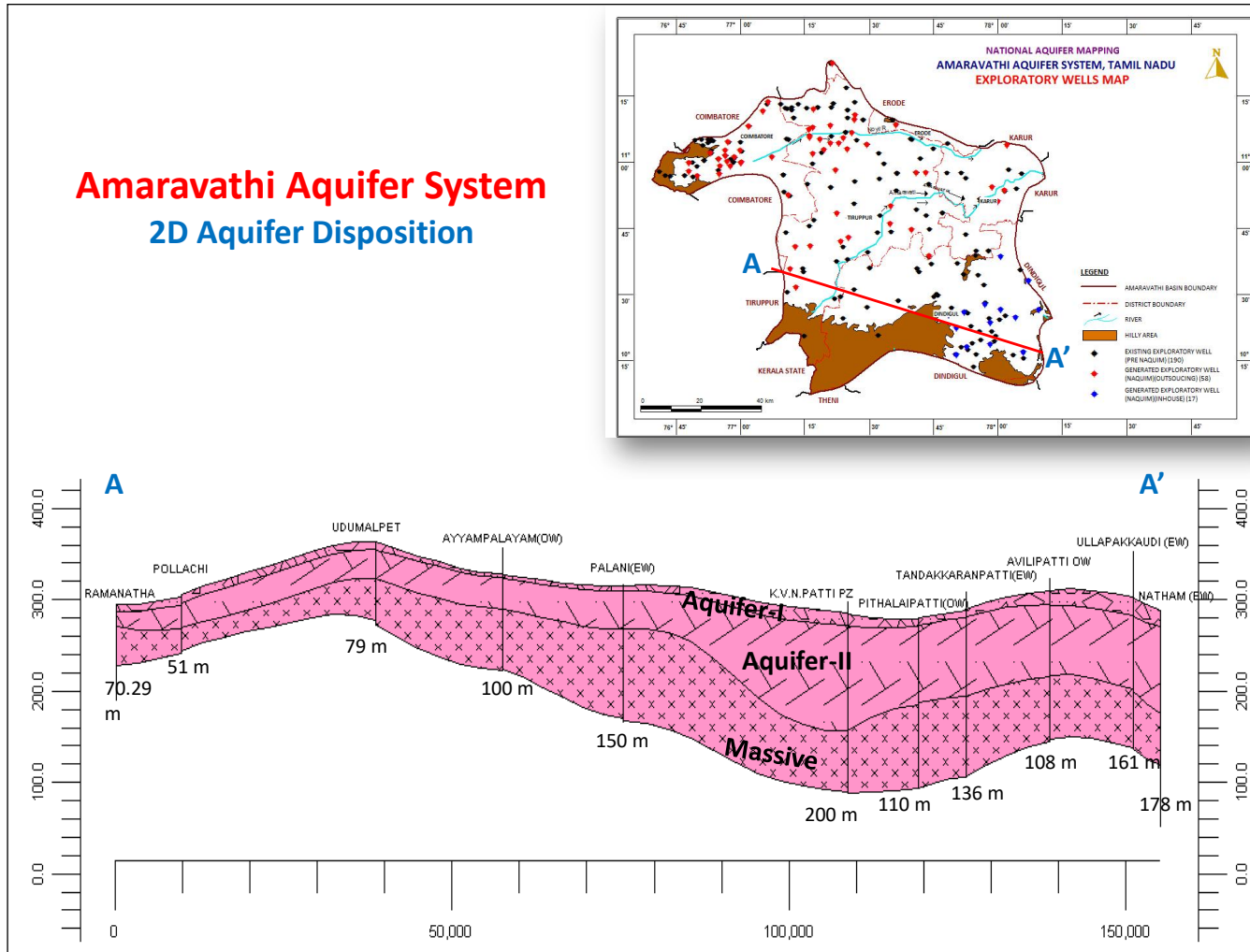


Figure – 3.8. Section along A – A’

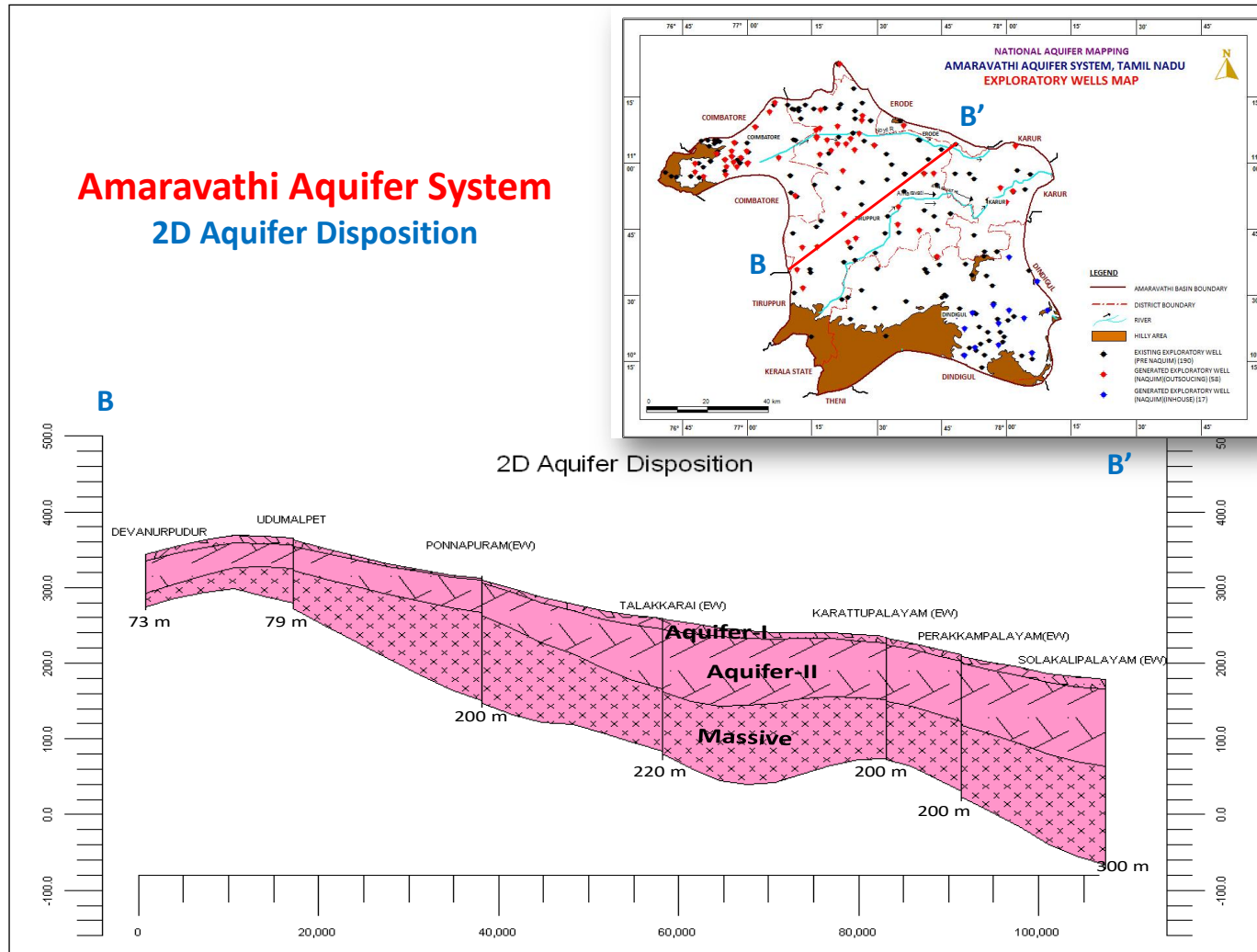


Figure – 3.9. Section along B – B'



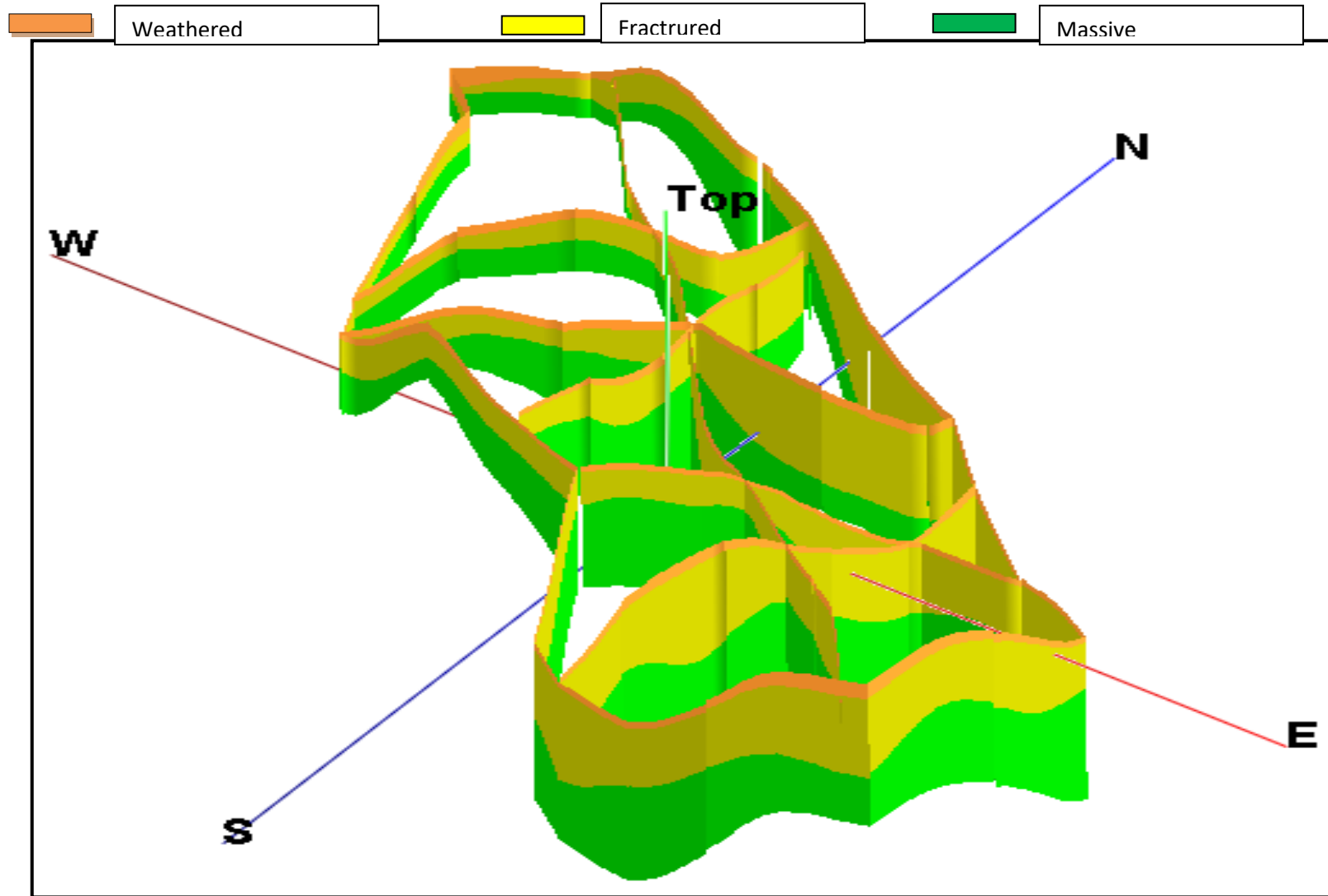


Figure - 3.10. 3D Aquifer Disposition

#### 4.0. GROUNDWATER RESOURCES

The dynamic groundwater resources are estimated as on 2012-13 based on the methodology suggested by Groundwater Estimation Committee (GEC) 1997.

The groundwater recharge is calculated both by groundwater fluctuation-specific yield method and by rainfall infiltration method. The annual replenishable groundwater recharge is the summation of four components viz.

- i) Monsoon recharge due to rainfall
- ii) Monsoon recharge from other sources
- iii) Non-monsoon recharge due to rainfall
- iv) Non-monsoon recharge due to other sources

Firka-wise dynamic groundwater resources have been taken from the approved resources estimation done as on March 2013, jointly by State PWD of Tamil Nadu and CGWB, to arrive at the total resources available in the study basin. Out of the 107 Firkas of the Amaravathi and Noyil sub-basins 80 firkas are falling totally in the basin and the rest 27 are falling partly. The resources have been apportioned to as per the ratio of the firka area within the basin.

#### 4.1. Net Groundwater Availability

The net groundwater availability refers to the available annual recharge after allowing for natural discharge in the monsoon season in terms of base flow and subsurface inflow / outflow. This annual groundwater potential includes the existing groundwater withdrawal, natural discharge due to base flow and subsurface inflow/ outflow in the monsoon season and availability for future development. As the groundwater development progresses the natural discharge gets suitably modified and comes down to negligible quantities due to interception by different groundwater structures. Hence, natural discharges in the monsoon season may not be considered and the total annual groundwater recharge may be taken as net groundwater availability. The Groundwater Resources of the Amaravathi Aquifer System is given in **Table 4.1**.

**Table – 4.1. Groundwater Resources (Ham.)**

District	2004		2009		2011		2013	
	NGWA	Draft	NGWA	Draft	NGWA	Draft	NGWA	Draft
Coimbatore	14536.00	17084.49	16623.51	16882.42	18934.56	25790.55	21145.83	23531.30
Dindigul	45012.48	54252.87	43580.02	52647.15	48029.02	58208.57	51409.50	56458.48
Erode	15602.01	13084.95	15963.53	14256.44	17097.30	19099.77	16231.89	18396.74
Karur	12656.62	7512.54	11111.55	11200.41	14466.77	15351.37	15723.64	16628.67
Tiruppur	44355.33	31276.62	50297.95	37445.18	42437.14	54684.54	43000.15	49006.11
<b>Total</b>	<b>122162.44</b>	<b>113211.46</b>	<b>127576.56</b>	<b>122431.60</b>	<b>140964.80</b>	<b>173134.80</b>	<b>147511.03</b>	<b>164021.33</b>

The net groundwater availability (NGWA) of the basin for the year 2013 is arrived at - 147511 Ham. The NGWA is maximum in Madathukulam Firka of Tiruppur district

(5198 ham) followed by Kurichikottai firka of Tiruppur district (2857.80 ham) and Vellakoil firka of Tiruppur district (2728.97 Ham.) etc.

#### 4.2. Groundwater Draft

The gross groundwater draft has been assessed by using Unit draft method for irrigation draft component and by adopting formula suggested by GEC 1997 for domestic and industrial draft components. The draft of the basin is 164021.33 Ham.

The existing groundwater draft for irrigation is maximum in Madathukulam Firka of Tiruppur district (4321.88 Ham) followed by Mulanur of Tiruppur district (3680.65 Ham), Thoppampatti firka of Dindigul district (3502 Ham), etc. The gross groundwater draft for domestic and industrial uses is maximum at in Madathukulam Firka of Tiruppur district (4464.89 Ham) followed by Mulanur of Tiruppur district (3759.90 Ham), Thoppampatti firka of Dindigul district (3576 Ham). The existing gross groundwater draft in Coimbatore, Dindigul, Erode, Karur, Tiruppur, districts 23531 Ham, 56458 Ham, 18397 Ham, 16628 Ham, and 49006 Ham respectively. The total gross groundwater draft of the basin is 164021 Ham against the availability of 147511 Ham.

#### 4.3. Stage of Development and Categorization

The stage of development is defined by stage of groundwater development (%)

$$= (\text{Existing groundwater draft} / \text{Net Groundwater availability}) \times 100$$

The stage of groundwater development is calculated for all the 80 firkas of the basin and it varies from 1.09% (Kodaikanal Firka of Dindigul district) to 283.70 % (Nambiyur firka of Erode district) (**Figure – 4.1**) and (**Figure 4.2**). The Categorization has been done by considering the two factors as suggested by GEC 97, viz.

- i) Stage of Development
- ii) Long-term trend of pre and post monsoon water levels.

The following 4 - categories have been suggested by GEC-97 based on the above two factors.

- a) Safe   b) Semi-critical   c) Critical   d) Over-exploited

Based on the above categorization, out of 80 firkas (major area falling) of the basin, 53 are Over Exploited, one is Critical, 18 Semi-critical and rest are in Safe categories Eight out of the 11 firkas of Coimbatore district and 16 out of 29 firkas of Dindigul district, 2 out of 2 firkas of Erode district, 6 out of 10 Karur district and 21 out of 28 firkas in Tiruppur district fall under Over-exploited (**Figure – 4.3**).

Comparison of stage of development of basin shows that there is a continuous increase from 84.60% (2004) to 111% (2013). Although Coimbatore and Dindigul districts maintain their stage of development, there is a steep increase in the stage of development in Erode, Karur and Tiruppur districts.

#### 4.4. Static Groundwater Resource

The groundwater available below the zone of water level fluctuation is called Static Groundwater Resource. But in the present study basin static resource is developed in all the 53 Over-exploited firkas and a total quantity of 165 MCM is being extracted from static resource as the available dynamic groundwater resource is only 1566 MCM against the gross draft of 1731 MCM. The calculated in-storage available in the Aquifer - I is 533.30 MCM and that of Aquifer – II is 1230.20 MCM.

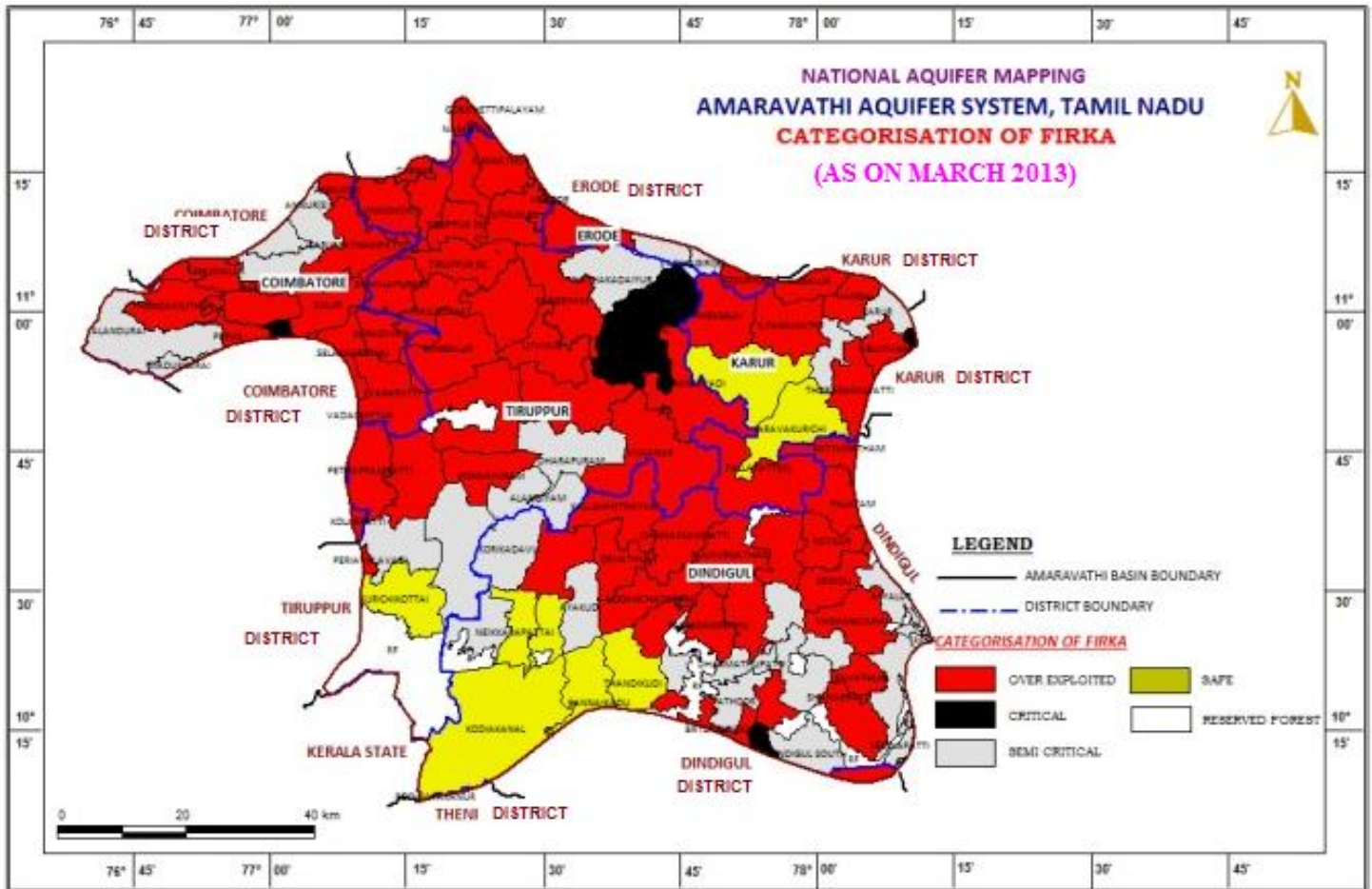


Figure – 4.1. Categorization of Firkas

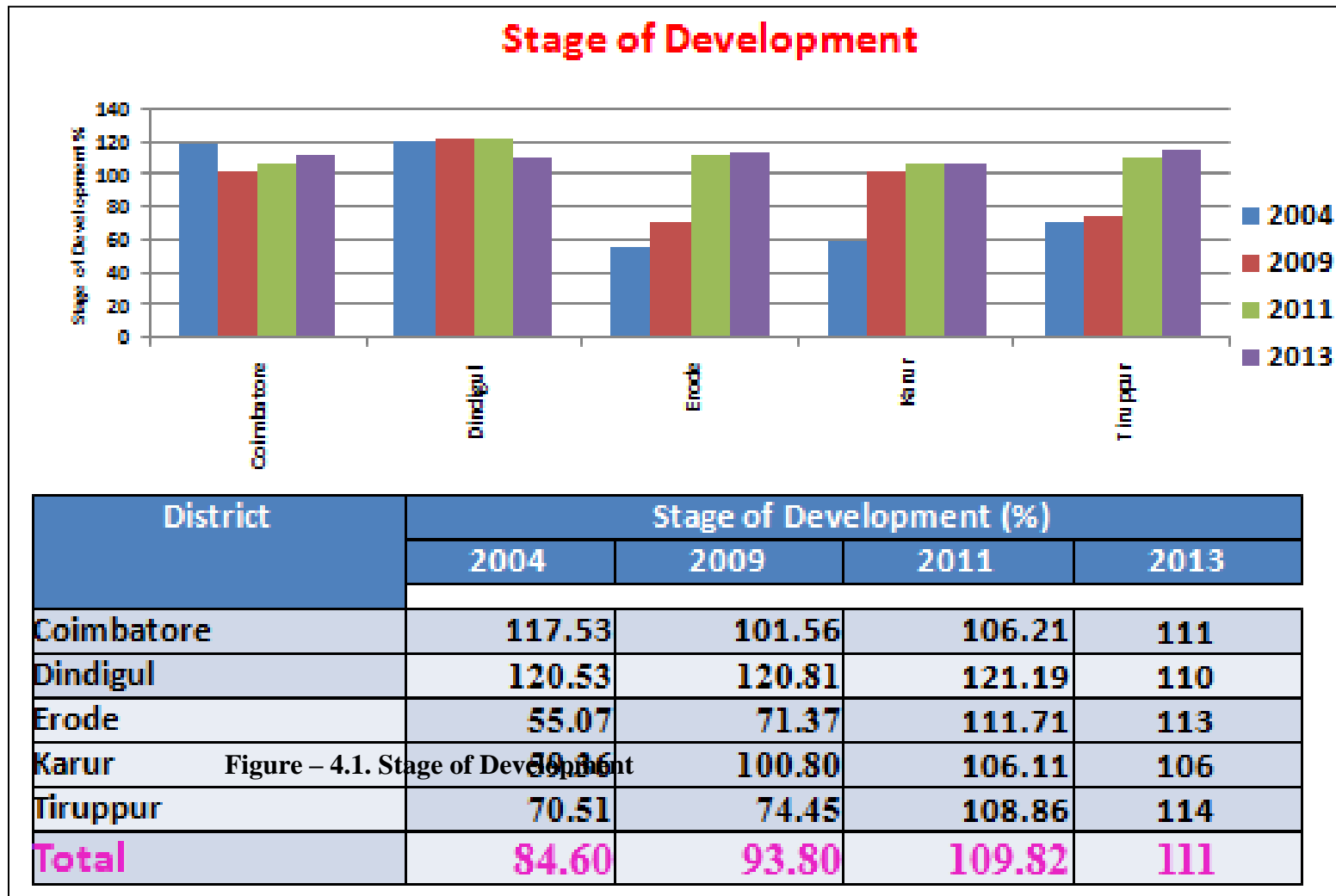


Figure – 4.1. Stage of Development

Figure – 4.2. Categorization of Firkas

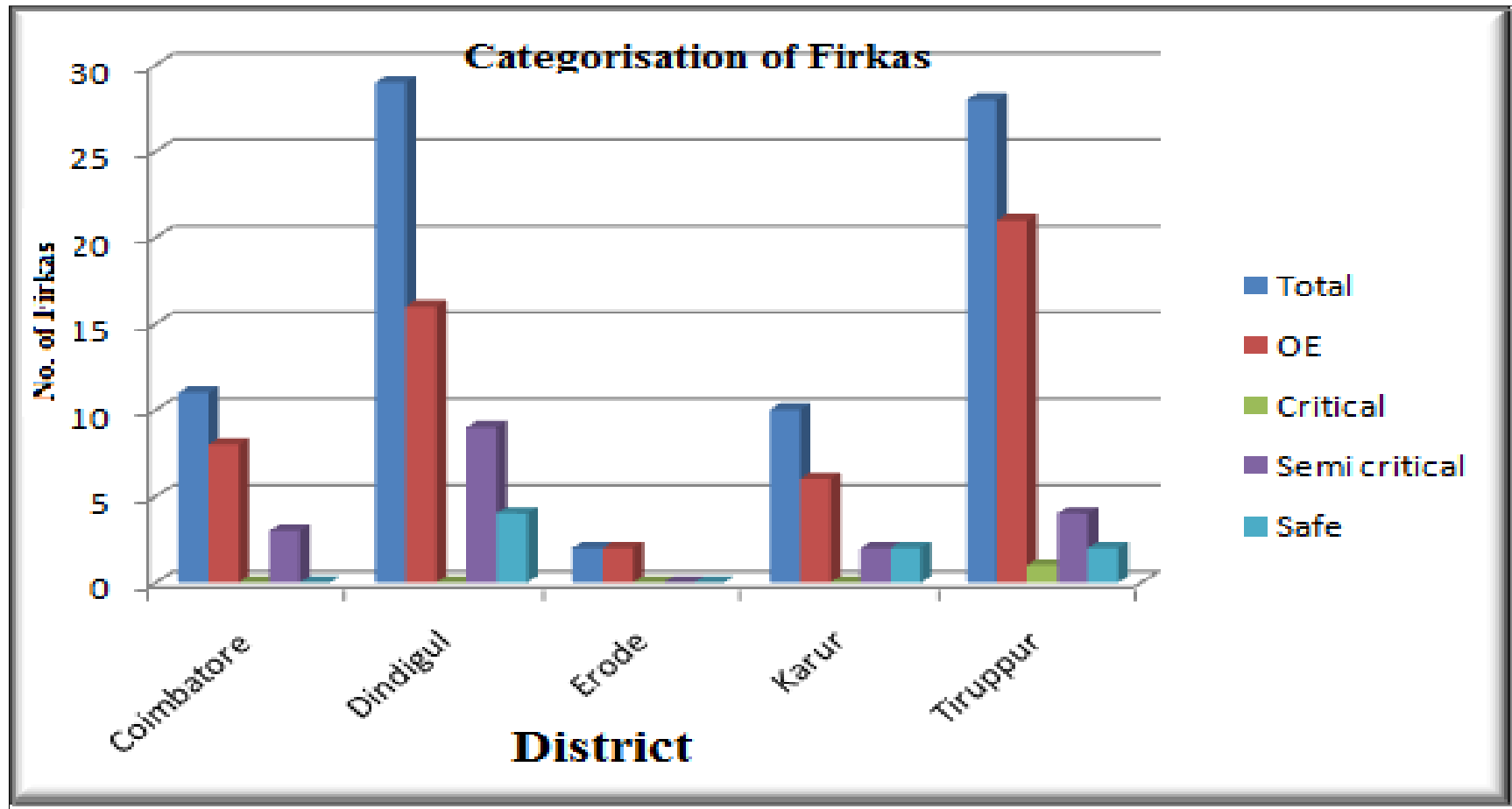


Figure – 4.3. District-wise Categorization of Firkas

## 5.0 GROUNDWATER RELATED ISSUES

Groundwater is extensively utilized for irrigation in the entire basin area for the past two decades, especially in the 74 over-exploited and critical firkas, out of the 107 firkas of the basin. There is no anthropogenic contamination in the basin. Groundwater contamination due to Textile Industry in Coimbatore, Tiruppur, and Karur districts on the banks of the Noyil and Amaravathi river courses have a created a major problem.

### 5.1. Geographical Distribution and Resource Availability

#### a) Over-exploitation

About 8658 Km<sup>2</sup> area covering 74 firkas can be categorized as over-exploited/critical in the Amaravathi basin. Over all stage of development is 111 %. Comparison of stage of development of basin shows that there is a continuous increase from 84.60% (2004) to 111% (2013). Although Coimbatore and Dindigul districts maintain their stage of development, there is an increase in the stage of development in Erode, Karur and Tiruppur districts.

#### b) Decline in Groundwater Level:

1. During Aquifer Mapping studies in Amaravathi and Noyil sub-basins, 66 Groundwater monitoring wells, which were monitored regularly show decline trend of 0.20 to 0.35 m/year in Coimbatore and Tiruppur districts and 0.30 to 0.45 m/year in Dindigul district (**Figure – 5.1**).
2. The shallow aquifer wherever the depth of weathering is less gone dry due to over-exploitation and many dug wells, which were in existence having become defunct and are abandoned.
3. Deep water levels (>20 m bgl) are observed during pre and post-monsoon seasons in 8 % and 4% of the area respectively.
4. Low yield (<1 litres per second) occurs in ~40 % area and yields of bore wells have reduced over a period of time and some bore wells which used to yield sufficient quantity of water have gone dry and rich farmers are acquiring water from nearby places (if available) (or) transporting water from far off places (2 to 3 km) and saving the commercial crops thereby incurring lot of financial expenses.

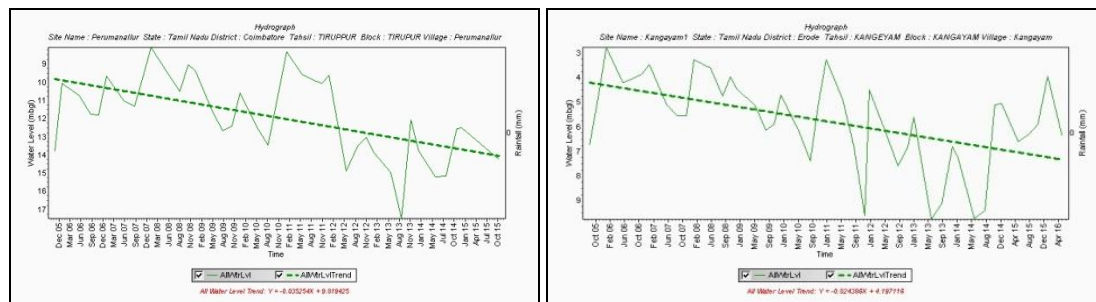


Figure – 5.1. Hydrographs showing declining trends

### C) Sustainability

“Moderate Drought” conditions are experienced in the range of once in 2 years in Dindigul, Palani and Avinashi, to once in 6 years in Nilakottai, Dharapuram, Kangeyam, Sulur and K. Paramathi and 50% of the dug wells are going dry and sustainability of 2 to 4 hrs pumping in dug wells is reduced to 1 hour in summer and bore wells tapping deeper fractures also dwindling in yield. Many bore wells are abandoned due to poor yield and it causes great concern to farmers in Dindigul and Tiruppur districts. The saturated thickness of phreatic aquifer exists 5 to 12 m during monsoon is reduced to 0 to 3 m during non-monsoon.

### 5.2 Groundwater Quality Issues

The sample locations were plotted on the map and identified data gap. In the basin, groundwater quality of 66 Nos. wells were monitored periodically. To fill data gap in the basin, 134 Nos. of water samples were collected during micro level study. Water samples have been collected from the study area in different aquifers (Aquifer - I & Aquifer - II, Figure - 2.1) to assess the groundwater quality for drinking and irrigation purpose. The analytical results are given as **Annexure – II(a)** & **Annexure – II(b)** for aquifer - I & II respectively. Aquifer - I water samples show electrical conductivity 50 to 5750  $\mu$ Mhos at 25°C and aquifer - II show EC 841 to 8690  $\mu$ Mhos at 25°C and generally in major part of the basin groundwater is suitable for drinking.

### 5.3. Groundwater Contamination

Groundwater having high TDS of 6000 is noticed in Coimbatore, Tiruppur and Dindigul districts (**Figure – 5.2**) due to high industrial developments. Coimbatore and Tiruppur are major textile centers of the country and high concentration of Pb ranging from 0.07 to 0.093 mg/L are noticed where as permissible limit is 0.01 mg/L and also due to Tannery industries. Dindigul district is also having more total dissolved solids. Manganese is also observed above the permissible limit of 0.03 mg/L in Tiruppur district.

#### 1) High Concentration of Fluoride :

High fluoride content (>1.5 mg/L) in groundwater is the major concern in some isolated pockets of the basin falling in Sankaradampalayam firka of Tiruppur and Chennimalai firka of Erode districts. Highest fluoride levels are recorded in the water samples of bore wells collected from aquifer - II at Rudhrapalayam and Kumarapalayam of Erode district (**Figure – 5.3**).



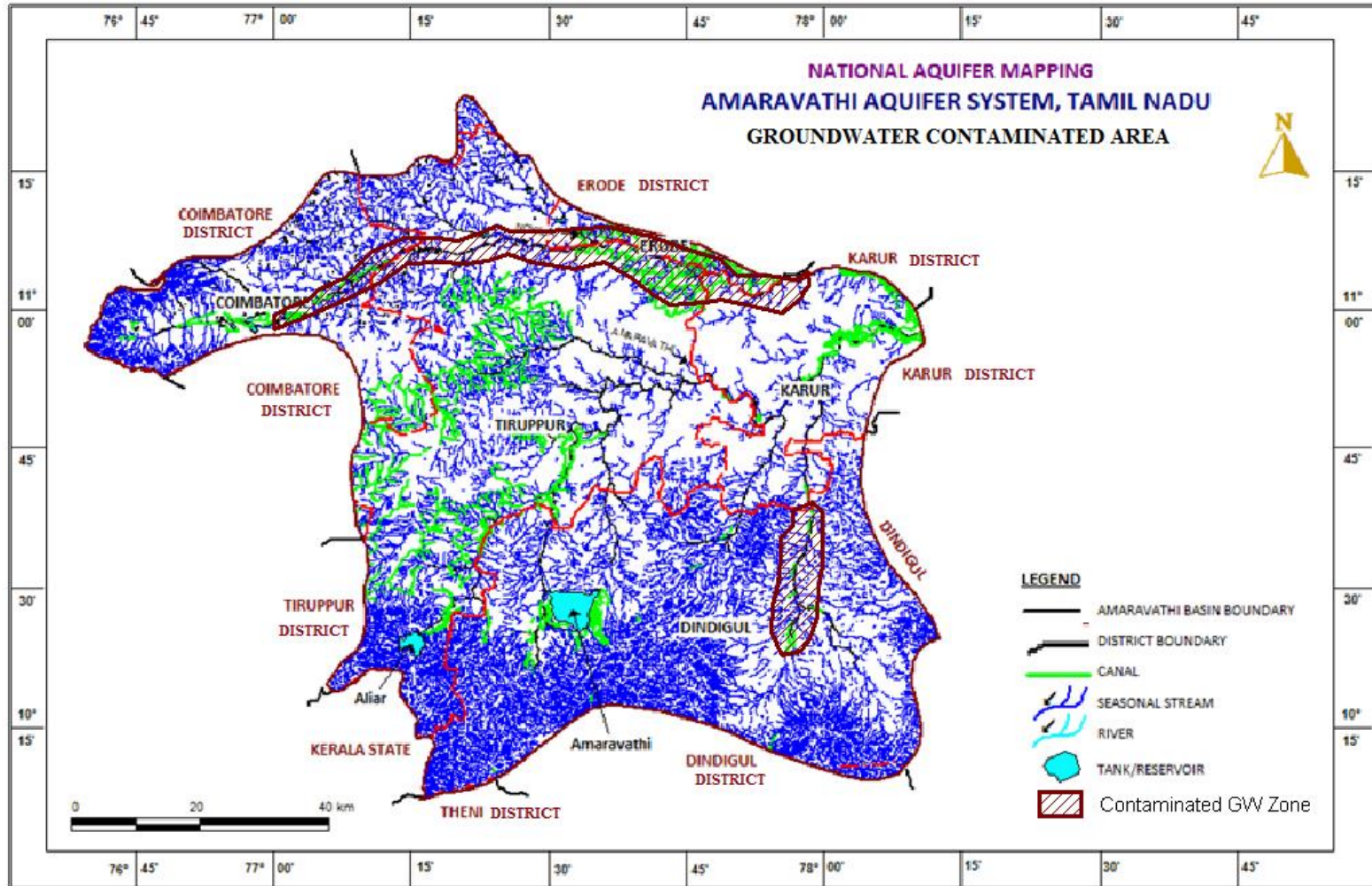


Figure – 5.2. Groundwater Contaminated Area

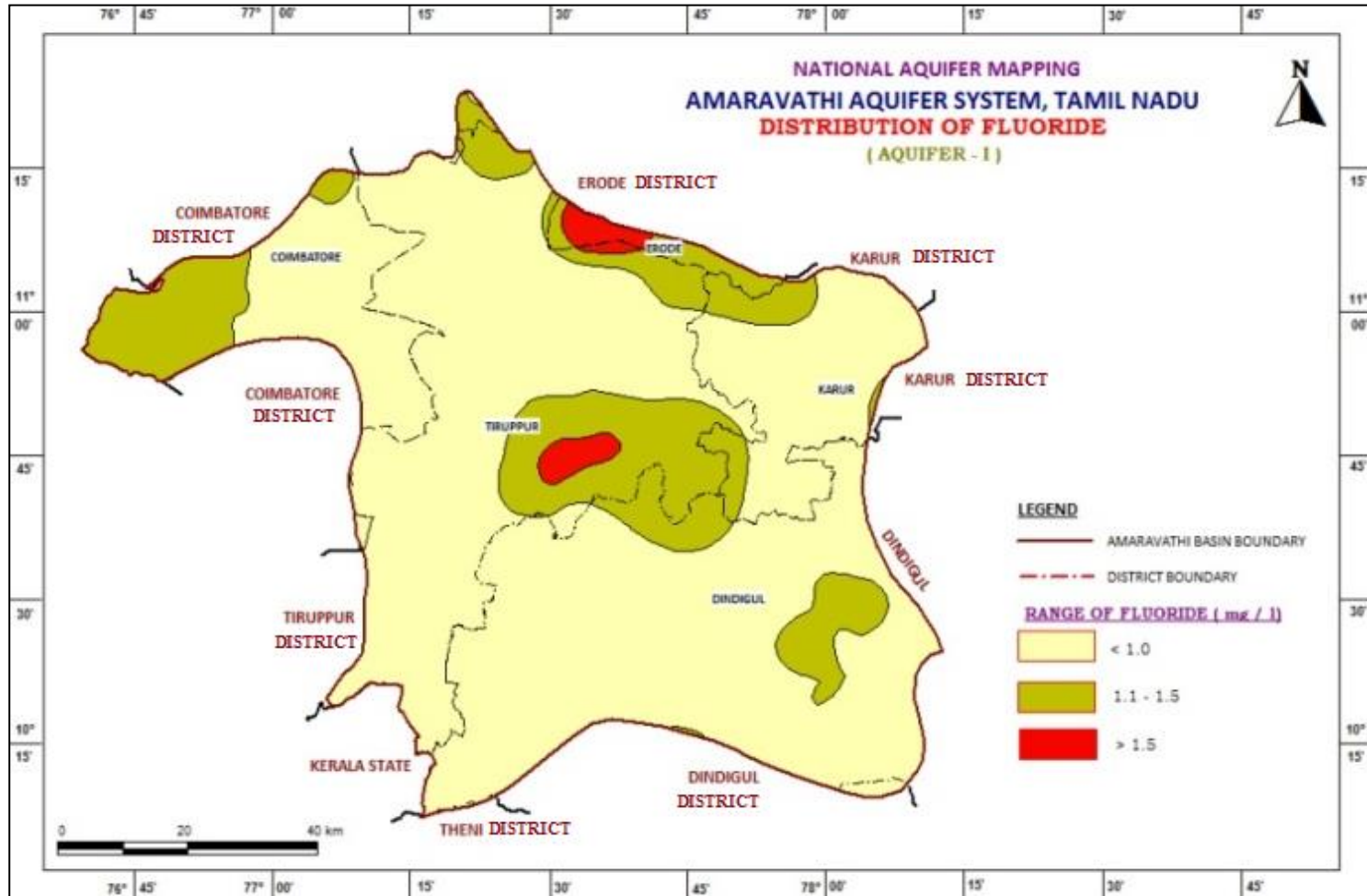


Figure – 5.3. High Concentration of Fluoride

## 6. MANAGEMENT STRATEGIES

The groundwater management strategies are inevitable either when there is much demand to the resource than the available quantity or when the quality of resource deteriorates due to contamination in a given geographical unit. In recent years water resources are used extensively both for irrigation and industrial needs. In addition, to meet the domestic requirements of the fast growing urban agglomerations the administrators are compelled to allocate a considerable quantum of resource, which otherwise is being used for irrigation purpose. So, the urbanization has a negative impact on the food production as well as grabbing the employment of the agricultural laborers. Hence, it is the need of the hour to formulate sustainable management of the groundwater resource in a more rational and scientific way.

In the present study area of Amaravathi and Noyil sub-basins of Cauvery major basin, the sustainable management plan for groundwater is being proposed after a thorough understanding of the aquifer disposition down to a depth of 200 m bgl. The study area is characterized by weathered and fractured system with very heavy abstraction of groundwater for irrigation practices.

### 6.1. Sustainable Management Plan

The groundwater resource is over-exploited/critical in 74 firkas of the basin comprising an area of 8,658 Sq.km. out of the 12,285 sq. km area of the basin. Gross draft of 1640.21 MCM is estimated as per the GEC 2013 against the Net availability of the resource of 1475.11 MCM. A total of 165 MCM in excess was drawn from the groundwater system of the 74 OE and Critical firkas. Therefore, the usage of groundwater has to be reduced by 11 % of the existing draft for the sustainability of the resource, (or) else the availability has to be augmented through artificial recharge methods to bridge the gap between draft and availability. The draft can be reduced through application of water efficiency methods in irrigation sector and through changing the irrigation practices from wet to dry cash crops.

### 6.2 Augmentation Plan

Augmentation of groundwater can be achieved through de-siltation of existing ponds / tanks along with the construction of recharge shafts, where the top soil zone is clayey, which does not allow infiltration. Normally, it can be achieved through capturing surface runoff. Surface water transfer also can be planned in the absence of surface runoff during droughts. It needs uncommitted runoff from the adjoining localities to transport to the needy areas through diversion channels. In the uplands, wherever first order second order streams occur, Check dams and Nallah Bunds may be constructed to augment the groundwater recharge.

In the study area, except southwest and west the remaining area is subjected to Over-exploitation. Groundwater levels are getting depleted gradually due to over exploitation. The natural rainfall recharge is insufficient to recoup the extracted groundwater. Artificial

Recharge and Water Conservation Plans are proposed in the OE firkas of the basin through utilizing the uncommitted surface runoff of 899 MCM.

### **6.2.1 Artificial Recharge Plan**

Based on the water level monitoring in different seasons across the basin, as well as after having better understanding of the disposition and extent of the aquifer system through exploratory drilling, pumping tests, etc., the potential volume of void space available within the weathered zone of first aquifer, to bring the deepest water level to the level of 3.0 m bgl, of the basin has been estimated as 917.75 MCM. The annual uncommitted runoff is 899 MCM. As both the source of excess water and place to store are available, artificial recharge and water conservation plans are prepared for the over exploited firkas of the basin. Using all the scientific approach an artificial recharge plan has been prepared to harness 197.45 MCM of water from the uncommitted runoff at the cost of Rs. 424.93 Corers.

The suggested artificial recharge structures are mainly Check Dams, Nala bunds, and Recharge Shafts in addition to de-siltation of the surface tanks. Selection of the sites / locations of these structures are based on the critical analysis of the hydro-geological, geophysical and exploration data of the basin. Particularly geo-morphological and drainage aspects are being given more weightage in selection of sites for the Artificial Recharge structures.

A total number of 166 check dams, 155 nala bunds and 716 recharge shafts in the existing 575 tanks are proposed in the OE and critical firkas of the basin. A total number of 220 ponds, out of 1851, have been recommended for de-siltation. Apart from these structures, 25,240 Nos. of recharge ponds have also been planned to construct. The expected recharge through these artificial recharge structures is in the order of 197.45 MCM. The expected potential through ID crops for 197.45 MCM of recharge is 33,912 Ha. Through this supply side management it is expected to bring down the current stage of development from 111 to 99%.

### **6.2.2 Water Conservation Plan**

Low pressure water distribution system is being proposed in 3,384 Sq. km of cropped area, which otherwise is under irrigation through flooding channels. Ditch and furrow method is recommended for the Paddy and the drip irrigation is recommended for the Sugarcane and Banana. The expected savings of water through these methods is to be 81.2 MCM/yr for paddy, 54 and 57 MCM/Yr for Sugarcane and Banana respectively (Figure – 6.1.).

### **6.3. Demand side Management Plan**

Demand side management can be accomplished through irrigation water scheduling, soil moisture management and practicing agronomic measures such as deep ploughing, straw mulching, and the use of improved strains/ seeds and drought resistant agents. Change in crop type and land use i.e., practicing higher-value crops under greenhouse cultivation or returning a proportion of the wet crop area to dry land cultivation of drought-resistant

crops, will lead to a considerable savings of groundwater extraction. It is essential that the savings in groundwater are not spared to expand the irrigated area or to divert to other industrial uses but to leave it to restore the depleted water levels to rise and to build the aquifer storage. This can be achieved through clear incentives for farmers to act in the collective interest of resource conservation.

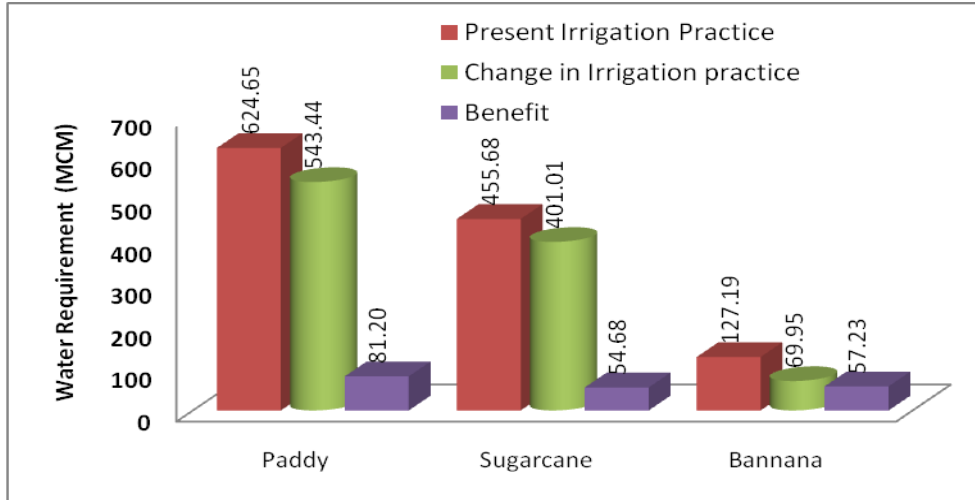


Figure – 6.1. Benefits of change in irrigation practice

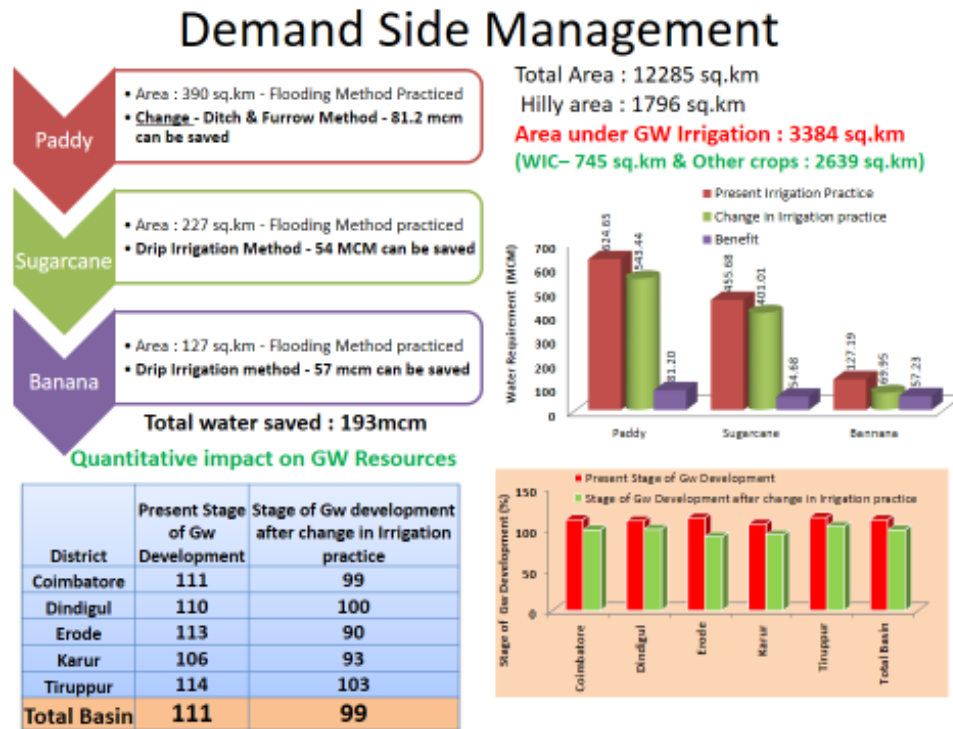


Figure 6.2 (a) Demand side management

If applied the recommended changes in the demand side the expected change in the stage of development of groundwater resources is expected to reduce from the current 111% to 99%, thus releasing the category from Over Exploited. The district wise impact is shown in the following table and Bar Diagram (Figure – 6.2 a & b )

District	Present Stage of GW Development	Stage of GW development after change in Irrigation practice
Coimbatore	111	99
Dindigul	110	100
Erode	113	90
Karur	106	93
Tiruppur	114	103
<b>Total Basin</b>	<b>111</b>	<b>99</b>

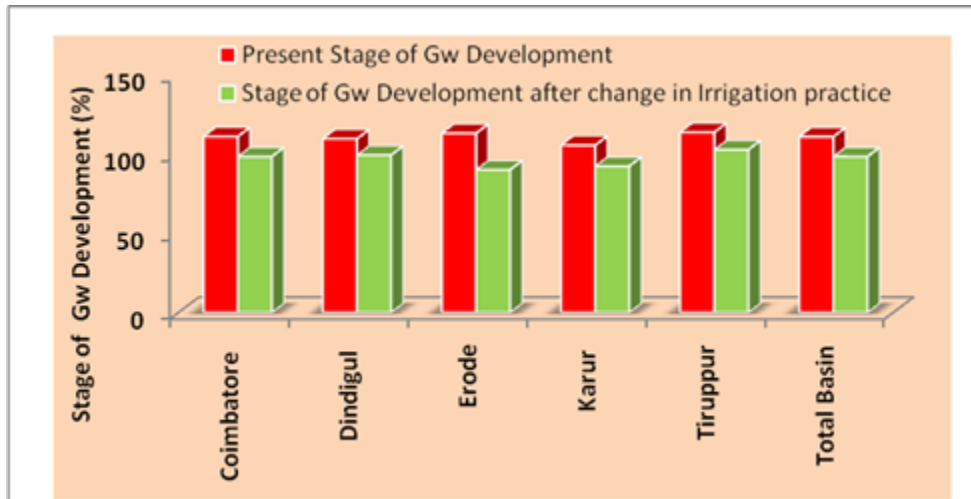


Figure 6.2. (b) Bar Diagram

#### 6.4. Future Demand Stress Aspects

In views of rapid urbanization the domestic water needs are increasing multifold. In this urbanization process the water wastage component is increasing mainly because of leakages through distributor system. Whereas in the agricultural irrigation sector the water demand mainly due to the enthusiasm of the farmers to increase the crop irrigation area and following up of old unscientific methods. Hence, the policy makers at higher administrative level and rural development authorities at Firka level should educate the farmers in their jurisdiction in such a way that they should switch over from the old

methods to the new technology based methods. Rather these authorities have to suggest high yielding crop varieties and high-value crops to grow with minimum water requirement with the technical guidance of local agricultural/ agronomic experts.

### **6.5 Strategies to overcome the future stresses**

Future stresses are only hypothetical. If the sustainable management is taken up in a true spirit in consultation with local village level bodies the groundwater depletion will not occur in future. However, it is very difficult to overcome gluttonous user attitude thrives for fullest use of the resource to get maximum output. In this process the vital resource is lost. Therefore a thorough understanding of the consequences of indiscriminate usage of the water should be propagated among users mainly among farmers as they are bulk users of the resource in the study area.

The demand side strategies to overcome future stresses are mainly

- 1) Promoting irrigation pattern change
- 2) Water Conservation
- 3) Water use reduction in urban areas

## Annexure- I (a)

**Details of Keywells established in Amravathy Basin – Aquifer-I  
(Established by Shri. K.Kumaresan, Scientist D)**

S. No.	Key well No.	Name of the village	Elevation amsl (m)	Water Table Elevation amsl (m)	Total depth	DTW pre-monsoon (mbgl)	DTW post-monsoon (mbgl)	Fluctuation (m)	Lat	Long
1	1	Adhikarpatti	311	297	19.4	14	19	-5	10.21	78.0554
2	2	Akkaripatti	314	302.8	12.2	11.2	12.2	-1	10.216	78.0624
3	3	Ayyalur	331	321.35	12	9.65	11.5	-1.85	10.294	78.0921
4	4	Chellamanadi	245	233.8	16.85	10.4	11.2	-0.8	10.243	78.0009
5	6	Chittuvarpatti	319	310.5	9.2	8.5	dry	-0.1	10.291	78.0733
6	7	Jambulipatti	289	281.6	7.4	dry	dry		10.213	78.0133
7	8	K.Pudhur	368	362.2	5.8	dry	dry		10.212	78.1232
8	10	Kalluttupatti	343	339.5					10.235	78.1309
9	11	Kambilipatti	329	309.8	20.2	19.2	20.1	-1	10.216	78.0734
10	12	Kampurapatty	314	303	12.1	9.1	10.95	-1.85	10.205	78.0558
11	13	Kanappadi	304	293.85	11	10.15	10.95	-0.8	10.241	78.0616
12	14	Kannyiapuram	338	338	17.5	12.3	17.15	-4.85	10.155	78.0601
13	15	Karivadanpatti	375	362.8	14	12.2	dry	-1	10.254	78.0922
14	16	Kaverichettipatti	329	322.6	8.85	6.4	7.85	-1.45	10.163	78.05
15	17	Konapatti	352	344.1	9	9	dry	-0.2	10.161	78.0414
16	18	Kosavapatti	260	247	13.3	13	dry	-0.3	10.275	78.0316
17	19	Kudagipatti	396	392.5	5	3.5	dry		10.215	78.1049
18	20	Kulathur	252	230.4	22.8	21.2	22.5	-1.3	10.262	78.0044
19	21	Kumarapalya	295	287.3	8.6	7.7	dry	-0.18	10.201	78.0214
20	22	M.M.Koviloor	284	267.05	18.9	16.95	18	-1.05	10.231	78.0246



AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU

S. No .	Key well No.	Name of the village	Elevation amsl (m)	Water Table Elevation amsl (m)	Total depth	DTW pre-monsoon (mbgl)	DTW post-monsoon (mbgl)	Fluctuation (m)	Lat	Long
21	23	M.Pannaipatti	307	296	10.6	10.36	10.56	-0.2	10.2	78.0415
22	24	Mallanayakkanpatti	351	342.2	8.8	8.8	8.7	-0.1	10.242	78.1344
23	25	Manakattur	345	333.7	12.2	dry	dry		10.205	78.143
24	27	Manakattur li	341	335.25	7.7	5.75			10.206	78.141
25	28	Maniyakaranpatti	341						10.275	78.0916
26	29	Mettupatti	362	349	13.5	13	13.5	-0.5	10.15	78.0825
27	30	Mooandipatti	270	263.5	9.4	6.5	dry	-2.4	10.251	78.032
28	31	Morapatti	304	291.6	13.5	12.4	12.64	-0.24	10.272	78.0656
29	32	Mullipadi	257	244.47	23.5	12.53	22.9	-10.87	10.235	78.0116
30	34	Nallamanakottai	254	234.5	30	19.55	28.3	-8.75	10.281	78.0146
31	35	Nallamanayakottai	301	288.65	16.1	12.35			10.194	78.01
33	37	Nochi Odai Patti	317	303.5	15.3	13.5	13.7	-0.2	10.182	78.0135
34	38	Padiyur	253	239.5	<b>13.6</b>	13.5	dry	-0.1	10.252	78.0134
35	39	Periyapatti	330	318.5	12.1	11.15	12	-0.85	10.24	78.1424
36	40	Pilattu	304	292.9	11.9	11.1	dry	-0.1	10.284	78.0619
37	41	Pillamanayakapatti	295	270	27	25	26.9	-1.9	10.221	78.0255
38	42	Pugaiyilpatti	301	278.2	24.9	22.8	24.5	-1.7	10.22	78.0447
39	43	Puttur	380	369.3	14.2	10.7			10.26	78.1011
40	44	Ragalapuram	316	305.9	11.35	10.1	10.45	-0.35	10.19	78.045
41	46	Rajkkapatty	298	298	24	18.2	22	-3.8	10.201	78.0357
42	47	Reddiyapatti	320	299.1	22.1	20.8	dry	-0.1	10.185	78.0105
43	48	Sanarpatti	342	332.1	10.8	9.8	9.9	-0.1	10.17	78.0415
44	50	Sengulattupattu	287	274.5	12.8	12.15	12.2	-0.05	10.254	78.0518

AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU

S. No .	Key well No.	Name of the village	Elevation amsl (m)	Water Table Elevation amsl (m)	Total depth	DTW pre-monsoon (mbgl)	DTW post-monsoon (mbgl)	Fluctuation (m)	Lat	Long
45	52	Silapadi	261	251.54	11.73	9.46	10.74	-1.28	10.234	78.0034
46	53	Silvathur	304	283.8	22.5	20.2	dry(21.7)	-1.5	10.21	78.0517
47	54	Sittur	307	294.1	13.8	12.9	13	-1	10.254	78.0609
48	55	Tamaraipadi	270	260.35	10.45	9.45	9.65	-0.2	10.242	78.0243
49	56	Tavasimadi	354		9.3	dry	dry		10.164	78.0232
50	57	Tennampatti	280	261	20	19	dry	-1	10.285	78.0429
51	58	Tennampatti	280	258.3	22.86	21.7	dry	-0.96	10.281	78.053
52	59	Tirumalaikeni	373	365.9	8.5	7.1	8.25	-1.15	10.22	78.0909
53	60	Tottanampatti	259	246	14.55	12.3	dry	-2.25	10.292	78.0241
54	61	Tottanuttu	303	303	15.7	9.9	13.1	-3.2	10.203	78.01
55	62	Tummalakundu	280	268.7	14.1	11.3	12.1	-0.8	10.266	78.0438
56	64	V,Malaipatty	285	279	15.2	5.7	8.6	-2.9	10.211	78.003
57	66	V.Kurumbampatti	349	336	13.3	12.3	13.2	-0.9	10.163	78.0639
58	67	Vadakampatti	339	331	7.6	dry	dry		10.195	78.0706
59	68	Vadamadurai	308	295	19.75	13			10.262	78.0602
60	69	Veladayampalayam			14.8	13.6	13.9	-0.3	10.251	78.0719
61	70	Vellabommnayakatti	284	270.45	18	13.55	16.55	-3	10.255	78.0415
62	71	Velvarkottai	276	262.8	15.85	13.2	14.8	-1.6	10.245	78.0404
63	72	Vembarpatti	371	361	12.2	9.6	12	-2.4	10.146	78.0711
64	73	Viralipatti	340		9.3				10.173	78.0249

Annexure-I (b)

**Details of Keywells established in Amravathy Basin – Aquifer-I  
(Established by Shri. A.Sreenivas, Scientist D)**

S. No.	Key Well No.	Village	Location	Toposheet	Lat	Long	height of mp (magl)	Pre DTW (mbgl)	Post DTW (mbgl)	EC	pH	RL (mag l)
1	K01	Lakshmanpatti	Southern part of the village in the premises of well owner Sri Komari Velu	58F/15 1C	10.4983	77.9432	0.85	10.85	7.8	4700	8.5	220
2	K02	Ayyampalayam	In the centre of the village in front of the house of Sri Jyoti Murugan S/o Armugam	58F/15 1C	10.4922	77.9663	0.8	9.1	7.53	1470	8.4	232
3	K03	Malvarpatti	Near Kaliamma koil in the Village Colony located on western part of the village	58F/15 1C	10.4914	77.9789	0.9	8.2	7.67	2400	8.7	237
4	K04	Savarivarpatti	In the agricultural land of the well owner Sri Susheprakasam S/o Michel Raj	58F/15 1C	10.4965	77.9906	-2.7	17.7	20.76	2800	8.2	240
5	K05	Marvapatti	SSW of Pattalamman Temple, located in the centre of the village	58F/15 1C	10.4424	77.9709	0.8	11.08	11.45	2900	8.3	240
6	K06	Puukappilaypatti	Adj. to Sri Bhagavadi Amman/ Kali Amman temple, at the entrance of village	58F/15 1C	10.4343	77.9809	0.8	9.75	9	1830	8.2	245
7	K07	Tadikombu	In the premises of Police Station	58F/15 1C	10.4385	77.9545	0.2		8.85			235
8	K08	Pappanampatti	Public well located at the eastern end of village along road side opposite to bus-stop	58F/15 1C	10.4186	77.9204	1	9.37	8.38	1940	7.4	245
9	K09	Reddiyarchatram DW	NHS well located in the premises of Block office	58F/15 1B	10.4291	77.8717			7.35			260
10	K10	Reddiyarchatram Pz	Block office premises	58F/15 1B	10.4287	77.8722	0.9					260

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Key Well No.</b>	<b>Village</b>	<b>Location</b>	<b>Toposheet</b>	<b>Lat</b>	<b>Long</b>	<b>height of mp (magl)</b>	<b>Pre DTW (mbgl)</b>	<b>Post DTW (mbgl)</b>	<b>EC</b>	<b>pH</b>	<b>RL (mag l)</b>
11	K11	Pudukalanjipatti	At the village approach road junction in the agricultural land of well owner	58F/15 1A	10.5022	77.7881	1	16.1	16.75	1170	18	295
12	K12	Oddannachatram Pz	BDO Office, 27 km from Dindigul on Palani road.	58F/15 1A	10.488	77.7576						292
13	K13	Oddannachatram DW	North of 26/0 km post on Dindigul - Palani Road.near OHT.	58F/15 1A	10.489	77.7532			12.95			292
14	K14	Neelamalakottai	New NHS	58F/15 1A	10.462	77.7895			9.25			330
15	K15	PuduAttikombai	In the premises of Sri R Subrahmanyam S/o Ramaswamy	58F/15 1A	10.4757	77.7706	0	17	21.15	1850	7.8	320
16	K16	Kambalinaikkanpatti	Domestic Govt. well, Adj. to OHT, along road side	58F/15 1A	10.4798	77.7999	0.6	10.55	10.55			300
17	K17	Tattarakavundalur	Domestic Govt.wellAdj. to Ration shop and opp.to Vinayagar Koil and Neem tree	58F/15 1A	10.4867	77.8229	0.4	13.4	11.3	2200	8.3	290
18	K18	Semmadiapatti	Govt. domestic well located along Dindigul-Palani road side	58F/15 1A	10.4614	77.8164	0.8	14.23	15.15	1360	8.2	310
19	K19	K.Pudukottai	Western side of the village Opp.to Murugan Koil and Perumal Koil	58F/15 1B	10.4563	77.8689	0.7	5.4	4.54	2800	8.5	275
20	K20	Kannadampatti	Panchayat Well, Near Muniyandi Koil on south of the village	58F/15 1B	10.4746	77.8683	0.8	6.25	5.6	1060	8.5	278
21	K21	G.Nadupatti	Govt. domestic well located near OHT and Periasamy koil located in the centre of the village	58F/15 1B	10.4985	77.8706	0.8	7.55	5.9	1670	8.2	260
22	K22	Karattupatti	Along Reddiarchatram road side, at km stone showing Reddiarchatram-7km, near village koil	58F/15 1B	10.4866	77.8862	0.65	6.59	5	960	8.1	260

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Key Well No.</b>	<b>Village</b>	<b>Location</b>	<b>Toposheet</b>	<b>Lat</b>	<b>Long</b>	<b>height of mp (magl)</b>	<b>Pre DTW (mbgl)</b>	<b>Post DTW (mbgl)</b>	<b>EC</b>	<b>pH</b>	<b>RL (magl)</b>
23	K23	Sukkampatti	Located in the centre of the village along road side(GWD well)	58F/15 1C	10.4818	77.9223	0.2	6.19	5.35			235
24	K24	Silvarpatti	Near Govt middle school and opp.to Kali Mata koil	58F/15 1B	10.4476	77.9077	0.8	10.05	9.2	1530	7.8	250
25	K25	Kallupatti	SE corner of middle school and NE of OHT	58F/15 2C	10.4135	77.9704	0.75	6.4	5.11	4400	8.4	245
26	K26	Chettinaickapatti	Pvt well located in the premises of Sri M Balasubrahmanyam S/o Marimuttu Pillai	58F/15 2C	10.3938	77.9747	0.8	5.82	5	1700	8.4	260
27	K27	Budipuram	Adj. to Kali Amman koil and adj. to the house of Shri P. Murugan S/o Palani Appan	58F/15 2C	10.4158	77.9473	0.6	9.6	10.4	2300	7.8	240
28	K28	Chennamanaickanpatti	Govt. well located on southern end of village and on Kurumbapatti road side.	58F/15 2C	10.3947	77.9514	0.8	6.2	5.5	1980	7.8	250
29	K29	Merumeenakshipuram	Back side of Ayyappan Koil & OHT and adj.to Anganwadi Centre.	58F/15 2C	10.3747	77.952	0.7	1.9	1.78	3000	7.7	255
30	K30	Palamrajakkapatti	In the premises of Sri Ravishankar, Advocate, located near the village bus stop on Palani road side at 3/6km stone.	58F/15 2C	10.3939	77.9288	0.8	4.41	4.7	2200	8.1	245
31	K31	Kunjanampatti	50m away from the main road, at the village entrance, opp.to Middle School and near OHT.	58F/15 2B	10.3875	77.893	0.7	8.82	7.9	1430	8.3	270
32	K32	Kasavanampatti	Along the road side, at village bus stage.	58F/15 2B	10.3691	77.869	0.9	7.05	4.95			280
33	K33	Karisalpatti	In front of Kali Amman Temple and adj. to Church.	58F/15 2B	10.3535	77.8589	0.6		7.75	1870	7.3	285
34	K34	Nagappanpatti	Govt. located 70m NW of village bus stop, adj.to Perumal Koil.	58F/15 2B	10.3451	77.8941	0.65	7.5	7.99	1570	8.3	279

AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU

S. No.	Key Well No.	Village	Location	Toposheet	Lat	Long	height of mp (magl)	Pre DTW (mbgl)	Post DTW (mbgl)	EC	pH	RL (mag l)
35	K35	PittalapattiPz	In the premises of Co-op Society.	58F/15 2C	10.3377	77.9263	0.5	9.65	10.4			265
36	K36	DindigulMarket	Opp.Balanjaneya Koil, well known as Vellikkeni	58F/15 2C	10.3627	77.9668	0.75	11.32	9.35	2600	8	275
37	K37	Swamiyarpatti	On northern side of village along Akkaraipatti road side in the agricultural land of Shri Ayyappasamy S/o MokkaMayaDevar	58F/15 2B	10.3565	77.9023	0		9.3	1700	7.6	270
38	K38	Ramayampatti	Opp.to the middle school and back side of industry in the coconut garden of well owner.	58F/15 2C	10.3811	77.9439	0.3	6.3	7.5	3200	8.7	255
39	K39	Kuttathupatti	Govt. well located near the bus stop along road side and below tank bund.	58F/15 2B	10.3751	77.8975	0.8	6.57	5.9	670	8.4	260
40	K40	Achampatti	1km north of Kannivadi, at 21km stone along Palani road.	58F/15 2A	10.3888	77.8274	1	8.8	9.55	960	8.5	300
41	K41	Toppupatti	Near Govt middle school	58F/15 1B	10.4315	77.8821	0.85		9.65	1920	8.6	257
42	K42	Ariyanallur	In the centre of the village in front of village library and Middle School	58F/15 3B	10.3151	77.9139	0.3	12	12.4	2500	7.7	270
43	K43	Sembatti	In Gandhinagar near Ration Shop and opp. To Muttumariyamman Koil	58F/15 3B	10.2785	77.8736	0.7	7.48	7.76	1370	6.9	280
44	K44	Puduchatram	Along Sembatti-Madurai road, on eastern side of the road near OHT.	58F/15 3B	10.2518	77.8793	0.8	10.2	8.7	1760	7	305
45	K45	Palaiyankottai	In the centre of the village near VAO office, on the <b>east street</b> and back side of Mariyamman koil.	58F/15 3B	10.2615	77.8563	0.4	12.92	15.15	3300	6.9	302

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Key Well No.</b>	<b>Village</b>	<b>Location</b>	<b>Toposheet</b>	<b>Lat</b>	<b>Long</b>	<b>height of mp (magl)</b>	<b>Pre DTW (mbgl)</b>	<b>Post DTW (mbgl)</b>	<b>EC</b>	<b>pH</b>	<b>RL (mag l)</b>
46	K46	Chittayankottai	Govt. Well, 100m north of Nagalakshmi School and near the house of Shri Abdul Aziz.	58F/15 3A	10.2714	77.8306	0.85	6.6	6.4	4400	6.9	298
47	K47	Akkaraipatti	Irrigation well along Attur-Kamarajsagar road, 1km west of village, in coconut garden of well owner.	58F/15 3B	10.2958	77.8379	0.7	11.9	16.6	1380	6.9	290
48	K48	Mallayapuram	Western side of the village, in the coconut garden of the well owner Shri Nagaraj.	58F/15 3A	10.3163	77.8329	0	21	23.15	2100	6.9	305
49	K49	Paraipatti	Near OHT, along Sembatti-Kannivadi road.	58F/15 3B	10.3169	77.8596	0.6	5.14	3.77	880	7.5	302
50	K50	Kuttiapatti	1km east of the village along Dindigul-Sembatti road side, in the agricultural land of Shri Ramakrishna, Judge (Erode)	58F/15 2C	10.3407	77.9404	0.75	10.1	10.75	1130	6.9	270
51	K51	KombaiDharwat patti	Along Dharwatpatti-Adalur road at 3/2km stone, in the agricultural land of Shri Pal Ravi S/o Palanisamy.	58F/15 3A	10.3323	77.8223	0.5	10.65	9.85	1120	6.8	320
52	K52	Dharwatpatti	On Oddanachatram - Madurai road at 14/4 km stone and 1km south of village in the farm (Vadyari Tottam) of Shri Tangatura (Teacher).	58F/15 2B	10.3345	77.8485	0.7	14	18.8	1850	6.9	298
53	K53	Bommanampatti	At the entrance of the village, opp.Vinayagar koil and adjacent to OHT.	58F/15 3B	10.2964	77.8883	0.6	6.83	6.66	1820	7	278
54	K54	Muruganpatti	Along Dindigul- Madurai road and 0.5km east of the village in the Farm house premises of Well owner.	58F/15 3B	10.2609	77.9135	0.4	11.6	19.2	850	7.4	298

AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU

S. No.	Key Well No.	Village	Location	Toposheet	Lat	Long	height of mp (magl)	Pre DTW (mbgl)	Post DTW (mbgl)	EC	pH	RL (mag l)
55	K55	Pudur	Public well, 3km from Dindigul, 1/2km western diversion from Madurai road; At the entrance of village, Opp.to Youth Association & Vinayagar koil.	58F/15 2C	10.3373	77.9522	0.9	5.42	4.94	4200	9.8	275
56	K56	Sirunaickanpatti	Govt well located in the centre of the village, near church.	58F/15 3C	10.3171	77.9577	0.75	8.6	7.33	1650	6.9	290
57	K57	Fathimanagar	Drinking water supply well, located along village approach road from Vellode and in front of the Church.	58F/15 3C	10.3066	77.9698	0.4	10.68	12.97	670	6.9	350
58	K58	Vellode	Adjacent to the house of Shri Samimuthu, along Perumal Koil road.	58F/15 3C	10.3048	77.9532	0	14.58	15.65	1870	8.3	295
59	K59	Chettiyapatti	Public well located Opp.to the Village Library.	58F/15 3C	10.2865	77.9431	0.7	13.9	14.5	770	6.9	305
60	K60	Gandhigram	Opposite to Gandhigram Rural Institute gate & near OHT. 100 m west of 388/8 km post on Dindigul - Madurai Road.	58F/15 3C	10.2756	77.9213	0.9	14.2	7.35	1010	8.5	300
61	K61	Nadipattu	NW of village in the agricultural land of well owner Shri Jairam Raj s/o Chinnaiah Goundar.	58F/15 3B	10.2775	77.898	0		15.31			295
62	K62	Chinnalapatti	Govt. well located in the ATS nagar, along Madurai road.	58F/15 3C	10.2799	77.9246	0.3		6.49			300
63	K63	Kallikampatti	Govt. well located on SE side of the village and is being used for piped water supply to village.	58F/15 3C	10.3034	77.9264		11.8	15.6	1250	6.9	285
64	K64	Panjampatti	Govt. well located in Periyar Colony.	58F/15 3C	10.3184	77.9319		17.85	19.77	4200	7.6	275



**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Key Well No.</b>	<b>Village</b>	<b>Location</b>	<b>Toposheet</b>	<b>Lat</b>	<b>Long</b>	<b>height of mp (magl)</b>	<b>Pre DTW (mbgl)</b>	<b>Post DTW (mbgl)</b>	<b>EC</b>	<b>pH</b>	<b>RL (mag l)</b>
65	K65	K.Pariapatti	In SW part of Dindigul town, along Sembatti road and SW of Airtel tower.	58F/15 2C	10.3541	77.9601	0.7	3.7	4.07	1590	6.9	265
66	K66	Pillaiyarnatham	village is 1km from main road and the well located at the old OverHeadTank.	58F/15 3C	10.3282	77.9434	0.65	14.9	15.3	1800	7	277
67	K67	Naganampatti	Located on Oddanachatram Check Post road (Old Dharapuram road) - Irrigation well back side of Sri Arunachalam S/o Palanichamy's house.	58F/15 1A	10.5004	77.7525	1.15	6.65	8.95	4400	7.6	295
68	K68	Veerakkal	Opp. To Kalimata Mandir	58F/15 3B	10.3255	77.8861	0.85	7.25	8.78	3900	6.9	280
69	K69	Perumalpudur	In the Coco plantation farm of Shri BHAI, located along Pannaipatti - Kombai road.	58F/15 2A	10.4082	77.8057			17.3	1110	8.1	320
70	K70	T.Kombai	On eastern side of the village in the coconut farm of Shri Balasubrahmanyam.	58F/15 2A	10.4075	77.7814			14.75	1350	8.1	340

Annexure – I (c)

Details of Shallow piezometers used for Groundwater level monitoring-Amaravathy basin

S. No.	Site_Name	Aquifer_Type	District	Lat	Long	May_2015	Jan_2016	Fluctuation	RI_Of_GI
1	Annur pz	Unconfined	Coimbatore	11.225	77.10833	21	16.52	4.48	394.46
2	Avinasi pz	Unconfined	Coimbatore	11.19778	77.28528	13.65	14.04	-0.39	322.05
3	Boyampalayam pz	Unconfined	Coimbatore	11.13472	77.35194	4.62	5.71	-1.09	352.8
4	Cbe Stock Exchange pz	Unconfined	Coimbatore	10.99639	77.005	6.9	6.19	0.71	398
5	Cwc Campus pz	Unconfined	Coimbatore	11.04139	77.00056	3.85	2.98	0.87	418
6	Ganganaickenpalayam pz	Unconfined	Coimbatore	11.10917	77.43556	24.1	22.99	1.11	275
7	Ghs Ganapathi pz	Unconfined	Coimbatore	11.04194	76.94194	1.71	1.4	0.31	425.5
8	Iduvampalayam pz	Unconfined	Coimbatore	11.08417	77.31111	1.5	2.13	-0.63	312
9	Kalvirampalayam pz	Unconfined	Coimbatore	11.03139	76.88444	49.89	48.62	1.27	392.61
10	Kaniyampondi pz	Unconfined	Coimbatore	11.12889	77.28333	19.43	23.04	-3.61	367.39
11	KaravallurPZ	Unconfined	Coimbatore	11.28944	77.16917	22.88	21.88	1	367.13
12	Kunnakalpalayam pz	Unconfined	Coimbatore	11.04556	77.32722	3.03	3.33	-0.3	335
13	Mettupalayam pz	Unconfined	Coimbatore	11.3	76.94722	8.05	8.77	-0.72	338.17
14	Palavanchipalayam pz	Unconfined	Coimbatore	11.06889	77.35194	0.2	0.85	-0.65	310
15	Palladam2	Unconfined	Coimbatore	10.99167	77.28056	5.6	4.59	1.01	373.61
16	Peruntholavu pz	Unconfined	Coimbatore	11.04639	77.41722	13.05	30.73	-17.68	316
17	Rengagoundanpalayam pz	Unconfined	Coimbatore	11.06972	77.38444	5.49	6.3	-0.81	329
18	Telungupalayam pz	Unconfined	Coimbatore	10.98333	76.92278	7.75	5.92	1.83	410.51
19	Thekkampatti pz	Unconfined	Coimbatore	11.25583	76.93472	5.9	5.78	0.12	321.1
20	Vijayapuram pz	Unconfined	Coimbatore	11.08972	77.40083	8.76	8.89	-0.13	310
21	Alampalayam pz	Unconfined	Erode	11.62722	77.60611	59.2	12.88	46.32	260
22	Alukuli pz	Unconfined	Erode	11.44806	77.35778	7.6	5.1	2.5	207
23	Ariyappanpalayam pz	Unconfined	Erode	11.47556	77.25417	5.28	4.15	1.13	192

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Site_Name</b>	<b>Aquifer_Type</b>	<b>District</b>	<b>Lat</b>	<b>Long</b>	<b>May_2015</b>	<b>Jan_2016</b>	<b>Fluctuation</b>	<b>RI_Of_GI</b>
24	Asanur pz	Unconfined	Erode	11.67389	77.12889	14.85	13.01	1.84	186
25	Chennampatti pz	Unconfined	Erode	11.70111	77.67194	14.6	4.5	10.1	259
26	Chennimalai2	Unconfined	Erode	11.1625	77.59722	6.1	4.62	1.48	272.64
27	Gobichettipalayam pz	Unconfined	Erode	11.45	77.45	11.4	7.08	4.32	225.26
28	Kathampalayam pz	Unconfined	Erode	11.42556	77.24111	2.15	1.45	0.7	245
29	Kattupalayam pz	Unconfined	Erode	11.54528	77.59528	53.65	4.3	49.35	212
30	Kavilipalayam pz	Unconfined	Erode	11.37917	77.22778	3.8	2.28	1.52	270
31	Kavundapadi I	Unconfined	Erode	11.42222	77.55833	5.71	5.71	0	191.92
32	Malaiyapalayam pz	Unconfined	Erode	11.29028	77.33056	43.6	43.9	-0.3	336.1
33	Nilangelvalasu pz	Unconfined	Erode	10.64306	77.73417	11.3	7.35	3.95	295.09
34	Olapalayam pz	Unconfined	Erode	10.95833	77.68333	6.5	5.65	0.85	256.02
35	Pandiyampalayam pz	Unconfined	Erode	11.39833	77.5175	13.05	8.56	4.49	229
36	Periyapuliyur pz	Unconfined	Erode	11.42833	77.64917	1.15	0.45	0.7	190
37	Pilliyampalayam pz	Unconfined	Erode	11.34472	77.31889	13.85	16.15	-2.3	290
38	Priyakolanalli pz	Unconfined	Erode	11.17444	77.85667	4.65	0.68	3.97	140
39	Punnam pz	Unconfined	Erode	11.50722	77.61389	2.4	4.1	-1.7	202
40	Rajan Nagar pz	Unconfined	Erode	11.52889	77.14222	9.3	9.9	-0.6	285
41	Settunampalayam pz	Unconfined	Erode	11.52	77.60333	15.65	6.7	8.95	210
42	Talavadi pz	Unconfined	Erode	11.77333	77.00389	17.25	9.45	7.8	800
43	Velliyampalayamputhur pz	Unconfined	Erode	11.48861	77.15639	7.95	1.2	6.75	250

## Annexure- I (d)

## Details of Monitoring wells- Aquifer II

S. No.	Site_Name	District	Lat	Long	RI_Of_GI	May_2015	Jan_2016
1	Alandurai pz	Coimbatore	10.9625	76.8008	353.42	14.20	14.27
2	Chennanur pz	Coimbatore	10.9453	76.8350	348.00	38.60	37.62
3	Corporation North Zone pz	Coimbatore	11.0161	76.9772	402.80	8.33	7.29
4	Devarayapuram pz	Coimbatore	10.9953	76.8017	396.00	37.95	36.48
5	Dhali	Coimbatore	10.5083	77.1833	454.13	2.70	3.55
6	Kallampalayam pz	Coimbatore	11.0300	77.2833	421.00	6.14	4.25
7	Kalvirampalayam	Coimbatore	11.0417	76.8875	391.76	48.90	49.81
8	Kettanur	Coimbatore	10.9153	77.2611	399.17	4.28	3.85
9	Kuniamuthur	Coimbatore	10.9667	76.9167	418.57	6.68	5.00
10	Nachipalayam1	Coimbatore	11.0806	77.4528	313.00	5.91	5.83
11	Ohd Campus pz	Coimbatore	11.0008	76.9511	412.40	14.75	15.26
12	Pallapalayam pz	Coimbatore	10.5256	77.2181	245.81	13.58	13.08
13	Pathampatti pz	Coimbatore	10.6781	77.2147	343.40	6.85	3.74
14	Pillaimpalayam pz	Coimbatore	11.1914	77.0900	292.50	25.05	24.90
15	Sarkar samakulam pz	Coimbatore	11.1333	77.0333	392.79	10.23	8.07
16	Selakkaraichal	Coimbatore	10.9500	77.1667	390.87	20.35	8.28
17	Sugarcane Institute pz	Coimbatore	11.0097	76.9186	342.99	19.45	18.28
18	Sulur pz	Coimbatore	11.0181	77.1236	364.10	0.95	0.97
19	Sundakkamuthur pz	Coimbatore	10.9528	76.9217	422.70	24.85	24.85
20	Thondamuthur	Coimbatore	10.9833	76.8333	395.11	34.50	32.48
21	Tirupur	Coimbatore	11.0972	77.3528	299.19	6.03	6.13
22	Tn Urban Studies pz	Coimbatore	11.0219	76.9419	408.10	9.10	9.17
23	Udumalpet2	Coimbatore	10.5833	77.2444	366.28	0.45	0.78

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Site_Name</b>	<b>District</b>	<b>Lat</b>	<b>Long</b>	<b>RI_Of_GI</b>	<b>May_2015</b>	<b>Jan_2016</b>
24	Varadharajapuram Murungapatti pz	Coimbatore	10.6797	77.2719	324.00	36.45	19.45
25	Vellakinaru pz	Coimbatore	11.0733	76.9528	407.61	39.95	35.71
26	Dindigul1	Dindigul	10.4083	77.9667	276.00	2.75	2.08
27	Kallimandiam	Dindigul	10.5833	77.6944	312.35	7.80	7.01
28	Kovilur (Ramanathapuram)	Dindigul	10.5917	78.0861	247.26	3.18	3.54
29	Kullanampatti	Dindigul	10.3417	77.9917	283.27	12.40	6.20
30	Kuvunaikanpatti pz	Dindigul	10.3675	77.8383	297.33	25.24	21.35
31	Oddanchatram1	Dindigul	10.4908	77.7528	305.17	15.82	8.10
32	Pittalaipatti	Dindigul	10.3278	77.9333	268.35	10.10	7.00
33	Reddiarchatram	Dindigul	10.4278	77.8833	260.75	5.80	4.38
34	Sanarpatti	Dindigul	10.2583	78.1000	333.37	25.71	25.54
35	Sidayamkottai PZ	Dindigul	10.2725	77.8356	298.00	3.37	1.83
36	Tadikambu	Dindigul	10.4681	77.9514	230.58	11.23	9.24
37	Alangiyam	Erode	10.6583	77.4958	260.22	7.80	3.08
38	Basuvapatti pz	Erode	11.1381	77.6053	296.00	4.05	3.20
39	Chengapalli	Erode	11.2250	77.4436	297.39	16.05	8.85
40	Chennimalai1	Erode	11.1583	77.5917	272.52	7.96	4.90
41	Dharapuram1	Erode	10.7333	77.5333	248.71	2.30	1.75
42	Govindhapuram pz	Erode	10.7133	77.4225	310.00	13.50	35.05
43	Karumancheri pz	Erode	11.1578	77.4444	286.00	25.50	14.58
44	Kolathupalayam pz	Erode	10.7639	77.5831	238.60	5.10	3.30
45	Kunnathur	Erode	11.2792	77.4125	322.26	25.55	19.56
46	Mulanur1	Erode	10.7972	77.7222	219.98	3.80	5.40
47	Muttur	Erode	11.0500	77.7500	221.23	3.80	2.30
48	Padiyur pz	Erode	11.0639	77.4922	295.00	7.45	5.90
49	Ponnapuram pz	Erode	10.6981	77.3906	322.31	113.35	34.65

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Site_Name</b>	<b>District</b>	<b>Lat</b>	<b>Long</b>	<b>RI_Of_GI</b>	<b>May_2015</b>	<b>Jan_2016</b>
50	Sangarandampalayam pz	Erode	10.8306	77.5864	292.00	9.95	2.65
51	Uthukuli pz	Erode	11.1744	77.4472	290.00	31.40	15.60
52	Ayyampalayam pz	Karur	11.0625	78.0361	143.46	1.54	1.03
53	Choladasanpatti pz	Karur	10.8500	78.0000	200.23	32.30	10.18

Annexure-II (a)

Water Quality details of wells drilled in Amravathy basin tapping Aquifer-I

Site_Name	Block_Name	District	Lat	Long	PH	EC	TH	Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	Cl	SO <sub>4</sub>	NO <sub>3</sub>	F	As
Ambarampalayam	Anaimalai	Coimbatore	10.65	76.91	7.06	1062	300	60	36	97	8	0	342	71	80	61	0.92	2.179
Annur	Annur	Coimbatore	11.23	77.11	7.22	1800	65	20	4	386	6	0	85	92	648	50	1.20	0.085
Avinashipalayam	Palladam	Coimbatore	10.98	77.27	7.40	1100	65	20	4	219	7	0	61	53	379	34	0.65	ND
Chinnaripalayam	Pollachi North	Coimbatore	10.73	77.09	7.00	3780	655	120	86	575	8	0	250	390	1085	35	0.45	ND
Ganesapuram	Annur	Coimbatore	11.18	77.06	7.37	1260	375	120	18	115	4	0	305	213	38	50	0.81	2.214
Kaltanpet	Palladam	Coimbatore	11.02	77.18	7.30	1060	330	70	38	92	8	0	256	184	48	19	0.32	ND
Kaniyur	Madathukulam	Coimbatore	10.61	77.38	7.25	1248	400	90	43	98	20	0	323	181	82	39	0.82	ND
Karamadai	Avinashi	Coimbatore	11.25	77.21	7.49	1442	200	74	4	207	9	0	427	184	48	7	0.66	ND
Kasipalayam	Tirupur	Coimbatore	11.12	77.39	7.22	5270	230	52	24	62	4	0	158	1446	12	74	1.01	ND
Kasipalayam	Tirupur	Coimbatore	11.12	77.39	7.22	731	230	52	24	62	4	0	158	149	12	24	1.01	ND
Kovilvazhi I	Tirupur	Coimbatore	11.06	77.39	7.53	1265	390	78	47	99	23	0	305	142	158	20	0.66	ND
Kumaralingam	Madathukulam	Coimbatore	10.49	77.35	7.70	1130	80	16	10	265	9	0	183	21	427	50	0.42	ND
Nachipalayam	Pongalur	Coimbatore	11.08	77.45	7.50	3210	390	48	66	575	5	0	384	574	451	61	0.68	ND
Odakadu	Tirupur	Coimbatore	11.11	77.33	7.28	1853	660	78	113	115	5	0	323	362	96	45	0.82	ND
P.N.palayam	P.N.Palayam	Coimbatore	11.21	76.99	7.00	1720	415	64	62	184	5	0	622	225	43	19	0.82	ND
P.N.palayam	P.N.Palayam	Coimbatore	11.21	76.99	7.00	1606	415	64	62	184	5	0	622	174	43	12	0.82	ND
Palladam	Palladam	Coimbatore	11.00	77.28	7.36	600	200	36	27	41	9	0	256	43	24	12	0.32	ND
Periyapatti	Gudimangalam	Coimbatore	10.76	77.27	7.21	2160	525	70	85	253	5	0	305	432	173	50	0.35	ND
Perumanallur	Tirupur	Coimbatore	11.21	77.36	7.21	5430	1600	240	243	527	7	0	427	1085	768	81	0.66	ND
Podanur	Sarkar Samakulam	Coimbatore	10.97	76.98	7.20	2470	350	40	61	428	8	0	360	280	557	40	0.40	ND
Pollachi I	Pollachi South	Coimbatore	10.66	77.00	7.45	1378	500	50	91	90	4	0	488	177	38	25	1.40	ND
Pongalur I	Avinashi	Coimbatore	11.30	77.13	7.50	1437	420	40	78	138	9	0	476	177	58	50	0.55	ND
Ponnaiyur	Pollachi North	Coimbatore	10.68	76.94	7.56	786	250	40	36	51	23	0	293	71	44	20	0.66	ND
Saravanampatti	Sarkar Samakulam	Coimbatore	11.07	77.00	7.20	2670	455	60	74	399	12	0	366	475	302	43	0.29	ND
Singanallur	Thondamuthur	Coimbatore	11.00	77.02	7.50	1772	390	100	34	230	5	0	500	284	67	20	0.82	ND

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Site_Name	Block_Name	District	Lat	Long	PH	EC	TH	Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	Cl	SO <sub>4</sub>	NO <sub>3</sub>	F	As
Sokkanur	Kinathukadavu	Coimbatore	10.81	76.96	7.50	1520	405	60	62	154	23	0	488	177	96	16	0.36	1.325
Sugunapuram	Thondamuthur	Coimbatore	10.95	76.95	7.20	2520	485	76	72	334	30	0	287	518	230	48	0.31	ND
Sulur	Sulur	Coimbatore	11.03	77.13	7.50	1795	545	100	72	150	14	0	488	312	38	16	0.31	ND
Tiruppur1	Tiruppur	Coimbatore	11.10	77.35	7.10	1623	355	66	46	207	15	0	470	241	62	38	0.66	ND
Udumalpet1	Udumalpet	Coimbatore	10.58	77.25	7.60	1882	315	80	28	276	16	0	427	323	91	40	0.64	ND
Vadavalli	Sarkar Samakulam	Coimbatore	11.03	76.91	7.30	2380	325	40	55	414	7	0	458	245	470	23	1.50	ND
Weekly Market	Tiruppur	Coimbatore	11.09	77.34	7.59	2910	500	80	73	437	10	0	665	418	254	74	0.98	ND
Chattrapatti	Oddanchatram	Dindigul	10.47	77.66	7.50	1680	650	196	39	87	5	0	391	284	77	43	0.56	ND
Dindigul2	Dindigul	Dindigul	10.37	77.97	7.60	2300	600	100	85	253	16	0	726	390	24	9	1.10	7.539
Eriyodu	Vedasandur	Dindigul	10.53	78.07	7.80	1000	305	48	45	87	16	0	305	142	48	12	1.40	3.86
Gandhigram	Attur	Dindigul	10.26	77.93	7.50	1920	375	120	18	265	9	0	445	319	110	37	0.86	396
Hanumanthanagar	Dindigul	Dindigul	10.35	77.99	7.70	1640	675	100	103	53	23	0	549	213	38	37	1.20	9.355
Idayapatti	Gijiliyamparai	Dindigul	10.76	78.03	7.90	890	260	46	35	81	12	0	342	89	34	12	0.81	ND
Kakkinapatti	Gijiliyamparai	Dindigul	10.67	77.99	7.80	1120	400	58	62	69	4	0	421	117	24	25	0.42	2.162
Kanakkanpatti	Palani	Dindigul	10.48	77.57	7.20	3300	750	236	39	414	31	0	671	610	226	56	0.66	1.066
Kodai road	Batalakundu	Dindigul	10.18	77.91	7.70	630	240	40	34	32	4	0	214	64	29	25	0.82	ND
Kodaikanal	Kodaikanal	Dindigul	10.23	77.48	8.00	100	35	10	2	7	2	0	24	11	10	6	0.52	ND
Muthampattipalayam	Gijiliyamparai	Dindigul	10.73	78.14	7.90	700	250	60	24	46	2	0	183	106	38	6	1.30	5.998
Nandavanampatti	Batalakundu	Dindigul	10.09	77.84	8.00	2500	675	62	126	276	16	0	641	471	101	9	1.50	ND
Nandavanampatti	Dindigul	Dindigul	10.38	77.99	8.00	2500	675	62	126	276	16	0	641	471	101	9	1.50	8.535
Natham1	Nattam	Dindigul	10.22	78.25	7.70	2700	675	44	137	311	31	0	610	567	48	48	0.45	6857
Oodanchatram	Oddanchatram	Dindigul	10.49	77.75	7.60	1820	525	128	50	184	2	0	549	284	38	31	0.93	ND
P.Alagapuri	Vedasandur	Dindigul	10.60	77.98	7.50	3900	1125	190	158	391	7	0	360	1120	96	21	0.70	4.058
Palani2	Palani	Dindigul	10.43	77.51	7.30	1290	415	60	64	104	8	0	549	106	29	25	0.45	0.211
Paraipatti	Dindigul	Dindigul	10.36	77.98	7.50	1270	435	90	51	92	8	0	311	213	58	31	0.71	0.919
Perumal Malai	Kodaikanal	Dindigul	10.27	77.54	8.20	50	20	6	1	2	1	0	18	4	2	1	0.72	ND



**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Site_Name	Block_Name	District	Lat	Long	PH	EC	TH	Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	Cl	SO <sub>4</sub>	NO <sub>3</sub>	F	As
Pudu Ettama Nayakar Patti	Palani	Dindigul	10.46	77.71	7.70	1000	280	20	56	101	1	0	378	78	48	37	0.81	ND
Reddiarchatram	Reddiyarchatram	Dindigul	10.42	77.86	7.70	1010	165	40	16	161	5	0	433	71	38	31	0.93	ND
Thamaraipadi	Vadamadurai	Dindigul	10.41	78.05	8.00	2300	525	68	86	299	8	0	397	535	96	19	0.88	ND
Thoppampatti	Toppampatti	Dindigul	10.59	77.53	7.50	2100	510	176	17	253	8	0	330	376	154	124	0.61	0.289
Thumbalapatti	Toppampatti	Dindigul	10.53	77.52	7.60	1040	400	108	32	51	8	0	366	106	38	37	0.84	0.407
Vadamadurai	Sanarpatti	Dindigul	10.36	78.10	8.20	1250	450	56	75	69	20	0	214	284	24	12	0.46	4.779
Vaivespuram	Vedasandur	Dindigul	10.55	78.07	7.90	1170	400	78	50	69	23	0	293	191	48	19	0.60	2.552
Vedasandur2	Vedasandur	Dindigul	10.53	77.95	7.50	3400	975	108	171	345	4	0	439	620	442	19	0.96	4.636
Adachapalayam	Tukkanayakkanpalayam	Erode	11.52	77.47	7.15	918	230	80	7	105	5	0	134	124	140	60	0.53	ND
Ammamet2	Ammamet	Erode	11.62	77.74	7.47	1527	270	60	29	227	12	0	500	302	15	1	2.29	ND
Archalur	Modakkurichi	Erode	11.16	77.70	7.26	706	230	72	12	57	14	0	98	36	180	50	1.42	ND
Attani	Andhiyur	Erode	11.52	77.52	7.35	1375	240	68	17	206	9	0	525	195	18	97	0.87	ND
Bangalapudhur	Tukkanayakkanpalayam	Erode	11.50	77.41	7.25	507	190	44	19	29	8	0	127	85	28	6	1.81	ND
Bhavani1	Andhiyur	Erode	11.81	77.53	2.62	3070	310	72	32	564	216	0	573	515	425	143	1.42	ND
Chengapalli1	Uttukuli	Erode	11.20	77.43	7.05	1499	570	144	51	83	18	0	220	302	70	91	0.55	ND
Chennimalai2	Chennimalai	Erode	11.16	77.60	7.50	1310	420	128	24	108	180	0	390	249	155	48	2.10	ND
Chittodu	Erode	Erode	11.39	77.68	7.45	1899	490	112	51	211	35	0	478	213	145	145	1.10	ND
Dharapuram2	Dharapuram	Erode	10.74	77.53	7.24	1484	580	120	68	75	56	0	449	266	18	94	1.61	ND
Erode2	Erode	Erode	11.33	77.73	7.07	980	220	68	12	124	18	0	305	160	35	13	1.16	ND
Guvuar dw	Ammamet	Erode	11.64	77.68	7.13	1870	290	84	19	297	13	0	232	373	198	76	0.66	ND
Indiampalayam	Sathyamangalam	Erode	11.45	77.27	7.56	1272	430	72	61	95	18	0	403	178	46	26	1.42	ND
Kangayam2	Kangayam	Erode	11.00	77.56	6.99	2150	390	72	51	315	11	0	232	355	220	148	0.01	ND
Karaiyur1	Dharapuram	Erode	10.76	77.59	7.29	1437	350	132	5	170	8	0	390	213	14	171	1.55	ND
Kasipalayam	Tukkanayakkanpalayam	Erode	11.46	77.34	7.22	5270	230	52	24	62	4	0	158	1446	12	74	1.01	0.33
Kasipalayam	Tukkanayakkanpalayam	Erode	11.46	77.34	7.22	731	230	52	24	62	4	0	158	149	12	24	1.01	0.33
Kolappalur1	Gopichettipalayam	Erode	11.38	77.43	7.49	2160	590	108	78	225	23	0	207	391	320	7	0.73	ND

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Site_Name	Block_Name	District	Lat	Long	PH	EC	TH	Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	Cl	SO <sub>4</sub>	NO <sub>3</sub>	F	As
Krishnapuram	Ammapet	Erode	11.54	77.71	7.11	981	360	120	15	60	14	0	390	142	12	45	0.39	ND
Kunnathur1	Uttukuli	Erode	11.27	77.41	7.39	1480	410	116	29	152	10	0	220	355	18	121	1.46	ND
Mulanur2	Mulanur	Erode	10.79	77.71	2.22	7400	1820	300	260	865	30	0	427	941	1700	128	1.30	1.039
Muttur1	Vellaikovil	Erode	11.04	77.73	7.46	2310	430	128	27	334	210	0	573	284	380	96	1.21	1.155
Nasiyanur	Perundururai	Erode	11.34	77.59	7.41	903	210	84	0	111	12	0	293	107	45	21	0.60	0.045
Perundururai1	Perundururai	Erode	11.28	77.58	7.56	1454	390	104	32	155	18	0	586	213	18	54	0.70	0.398
Pudupalayam1	Andhiyur	Erode	11.59	77.59	7.17	2590	370	124	15	426	10	0	451	337	320	111	0.73	0.695
Punnachipudur dw	Ammapet	Erode	11.59	77.67	7.23	4530	690	208	41	725	12	0	232	763	720	133	1.98	0.819
Rajanagaram	Talavadai	Erode	11.55	77.14	7.31	889	360	128	10	39	2	0	229	195	14	3	0.54	0.277
Uthiyur	Kangayam	Erode	10.89	77.53	7.10	2150	620	120	78	209	25	0	329	373	180	132	0.88	0.143
Vellakoil	Vellaikovil	Erode	10.94	77.72	7.37	697	190	38	23	73	18	0	186	150	16	7	0.43	ND
Vellodu	Chennimalai	Erode	11.24	77.66	7.44	1322	370	72	46	134	14	0	268	142	180	49	1.35	ND
Vijayamangalam1	Perundururai	Erode	11.24	77.50	7.19	1121	360	116	17	92	35	0	281	249	12	130	0.87	ND
Aravakurichi2	Aravakurichi	Karur	10.78	77.93	7.05	1040	300	56	39	149	20	0	256	177	144	43	0.91	ND
Chinna Dharapuram	K.Paramathi	Karur	10.87	77.90	7.80	1263	400	58	62	101	10	0	427	149	38	38	0.66	ND
Enuguru DW	Kulithalai	Karur	10.85	78.49	7.58	2420	450	16	100	334	20	0	732	248	192	50	1.30	ND
Jagatabi	Thatheni	Karur	10.84	78.17	7.55	700	250	50	30	46	2	0	317	28	21	37	1.60	ND
Karur2	Karur	Karur	10.96	78.08	7.52	1622	355	36	64	196	24	0	482	206	62	68	0.66	ND
Karur2	Karur	Karur	10.96	78.08	7.52	1622	355	36	64	196	24	0	482	206	62	68	0.66	ND
Mayanur	Krishnarayapuram	Karur	10.94	78.24	7.25	1265	1300	128	238	718	7	0	488	206	130	37	0.41	ND
Mayanur	Krishnarayapuram	Karur	10.94	78.24	7.25	5750	1300	128	238	718	7	0	488	1602	130	74	0.41	ND
Melnagavaram dw	Krishnarayapuram	Karur	10.88	78.22	7.75	1260	205	22	36	191	8	0	372	213	19	9	0.56	ND
Noyyil	Karur	Karur	11.05	77.93	7.50	3370	540	36	109	520	23	0	433	730	259	43	1.30	ND
Paramatti 1	K.Paramathi	Karur	10.97	77.91	7.65	1295	295	38	49	152	18	0	525	113	35	26	0.98	ND
Thogamalai	Thogamalai	Karur	10.73	78.43	7.60	3570	255	54	29	713	9	0	580	744	240	44	0.41	ND
Tiruparaithurai dw	Kulithalai	Karur	10.87	78.54	7.60	613	200	30	30	46	4	0	293	35	14	5	0.55	3.355

Annexure-II (b)

Water Quality details of wells drilled in Amravathy basin tapping Aquifer-II

S.No.	Location	Source	DOC	District	pH	EC	TH	Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	Cl	SO <sub>4</sub>	NO <sub>3</sub>	F
1	Achipatti		13/03/12	Coimbatpur	7.9	973	360	64	49	69	5	nil	336	124	53	7	1.0
2	M.Goundanpudur		13/03/12	Coimbatpur	7.9	715	245	36	38	55	5	nil	268	50	48	25	1.1
3	Myleripalayam		15/02/12	Coimbatpur	7.8	1800	550	90	79	168	4	nil	183	277	341	44	1.8
4	Sokkanur		19/3/12	Coimbatpur	7.6	1766	600	72	102	133	8	nil	519	202	144	58	1.6
5	Singanallur		23/02/12	Coimbatpur	7.8	427	150	40	12	32	8	nil	140	32	2	87	1.1
6	Mamarathupatti		29/3/12	Coimbatpur	7.4	1709	550	42	108	150	8	nil	439	206	192	31	1.2
7	Charapatti	EW	7/17/12	Dindigul	7.31	1513	1100	40	36	230	4	nil	244	291	101	52	0.43
8	Reddiar chatram	EW	8/01/12	Dindigul	7.7	1948	1100	40	36	331	6	nil	378	319	206	2	0.44
9	Sivalsaragu	EW	8/17/12	Dindigul	7.6	1729	1364	60	39	253	4	nil	256	372	120	1	0.12
10	Shreeramapuram	EW	9/06/12	Dindigul	8.13	845	880	24	34	99	4	nil	366	39	29	49	0.86
11	Shreeramapuram	EW	10/22/12	Dindigul	7.99	864	880	36	27	104	4	nil	409	43	24	18	0.61
12	Shreeramapuram	EW	10/25/12	Dindigul	8	841	770	30	24	110	4	nil	415	43	19	3	0.72
13	Shreeramapuram	EW	10/26/12	Dindigul	8	850	770	26	27	113	4	nil	415	39	29	0	0.71
14	Nagayyakottai	BW	3/08/13	Dindugal	8	2860	408	280	78	229	11	Nil	220	255	936	2	0.82
15	Avilpatty	BW	7/10/13	Dindugal	7.79	1430	102	40	38	219	11	Nil	592	117	96	8	1.31
16	Vadamadurai	PZ	1/01/14	Dindugal	7.74	936	320	36	56	71	5	Nil	366	71	37	3.1	0.8
17	Manakathur	EW	1/12/14	Dindugal	7.93	1140	350	28	68	92	23	Nil	336	160	26	3.1	1
18	Manakathur	EW	1/12/14	Dindugal	7.68	915	305	34	53	71	6	Nil	305	99	12	6.2	1.2
19	Manakathur	PYT I	1/12/14	Dindugal	7.68	958	315	100	16	85	12	Nil	378	71	53	3.1	0.9
20	Manakathur	PYT II	1/12/14	Dindugal	7.71	1040	385	56	60	78	6	Nil	354	110	67	3.1	0.8
21	Kadavur	PZ	5/03/14	Dindugal	7.8	1400	205	30	32	219	20	Nil	183	220	168	18.6	1.2
22	S.Pudupatty	SDT	11/03/14	Dindugal	7.33	1610	540	96	73	117	5	Nil	299	238	163	18.6	0.62
23	S.Pudupatty	APT	12/03/14	Dindugal	7.37	1630	555	90	80	117	5	Nil	299	245	168	28.52	0.65
24	Karankulam	EW	17/7/13	Dindugal	8.11	2630	680	112	97	239	37	Nil	470	603	11	20	1.10

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

S.No.	Location	Source	DOC	District	pH	EC	TH	Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	Cl	SO <sub>4</sub>	NO <sub>3</sub>	F
25	Siluvathur	BW	20/9/13	Dindugal	7.69	2430	192	88	63	324	43	Nil	311	440	298	68	1.2
26	S.Pudupatty	OW	21/2/14	Dindugal	7.3	1620	505	86	70	138	5	Nil	342	248	130	24.8	0.62
27	Manakathur	OW	21/3/14	Dindugal	7.53	1030	440	82	57	69	5	Nil	244	78	235	3.1	0.7
28	Avilpatty	EW	25/10/13	Dindugal	7.84	1260	230	68	15	179	16	Nil	427	135	22	3.1	1.5
29	Kulathur	EW	25/3/14	Dindugal	7.78	1460	135	42	7	267	16	Nil	427	177	67	3.1	1.3
30	Manakattur	Ew	27/5/14	Dindugal	8.1	1350	375	80	43	138	7.82	Nil	201.366	233.97	172.8	9.3	0.7
31	Manakattur	Ew	27/5/14	Dindugal	8	1380	410	72	56	138	7.82	Nil	323.406	241.06	100.8	9.3	0.8
32	Velvarkottai	BW	27/8/13	Dindugal	7.3	8690	840	144	423	1035	74	Nil	586	2446	475	19	0.92
33	Nagayakottai	SDT I	28/4/14	Dindugal	7.46	2980	1200	140	207	161	13	Nil	171	383	806	3	0.9
34	Nagayakottai	SDT II	28/4/14	Dindugal	7.48	3060	880	196	95	317	11	Nil	134	383	854	3	0.9
35	Nagayakottai	SDT III	28/4/14	Dindugal	7.37	3120	920	192	107	294	12	Nil	268	390	725	3	0.9
36	S.Pudupatty	EW	30/1/14	Dindugal	7	1970	470	66	74	253	4	Nil	317	245	341	37.2	0.42
37	Nagayakottai	APT	30/4/14	Dindugal	7.36	3200	920	180	114	313	12	Nil	171	383	850	3	1.0
38	Avilpatty	OW	31/10/13	Dindugal	7.91	1340	250	16	51	184	16	Nil	409	174	12	3.1	1.5
39	Mayanur		2/03/12	Karur	8.0	1105	400	66	57	64	35	nil	391	138	29	43	1.0
40	Sittapatti	EW	10/07/13	Karur	8.6	2110	580	70	98	235	19	12	415	532	7	16	1.80
41	Sittapatti	EW	10/07/13	Karur	8.6	2110	580	70	98	235	19	12	415	532	7	16	1.80
42	Sukkampatty		14/7/11	Karur	7.8	993	280	62	30	97	4	Nil	342	110	48	12	0.82
43	Ichampatty		22/7/11	Karur	8	2510	620	80	102	322	16	Nil	439	574	101	14	1.2
44	Sengal		31/01/12	Karur	8.1	2350	800	84	143	189	20	nil	702	440	34	8	1.8
45	Ichampatty		31/7/11	Karur	7.9	2550	510	76	78	334	16	Nil	433	581	115	15	0.89
46	Noyyal	Pz	4/12/11	Karur	7.7	3140	400	48	68	529	22	nil	732	638	77	2	0.1
47	Mayanur	EW	2/02/12	Karur	8	837	200	22	35	92	17	nil	244	96	62	23	0.3
48	Sengal	EW	5/01/12	Karur	8.1	2310	500	60	85	299	13	nil	488	454	96	31	0.5
49	Sengal	OW	13/01/12	Karur	7.9	1806	455	130	32	193	20	nil	732	177	29	35	0.5
50	Manakmedu	Pz	13/12/11	Karur	7.93	1650	150	30	18	301	22	nil	549	43	269	47	1.0

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

S.No.	Location	Source	DOC	District	pH	EC	TH	Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	Cl	SO <sub>4</sub>	NO <sub>3</sub>	F
51	Ayyarmalai	Pz	17/3/12	Karur	7.85	691	200	22	35	58	16	nil	305	39	34	6	0.6
52	Mayanur-SDT-I	EW	18/04/12	Karur	7.07	1097	350	60	49	83	16	nil	336	142	48	25	0.89
53	Mayanur-SDT-II	EW	18/04/12	Karur	7.2	1071	330	64	41	92	9	nil	317	135	53	37	0.72
54	Mayanur-SDT-III	EW	18/04/12	Karur	7.2	1063	335	62	44	78	20	nil	317	128	62	25	0.56
55	Mayanur-APT-I	EW	19/04/12	Karur	7.23	1053	340	52	51	78	14	nil	311	124	43	50	0.62
56	Mayanur-APT-II	EW	20/04/12	Karur	7.4	985	290	40	46	83	18	nil	323	106	38	46	0.65
57	Choladasanpatty	Pz	20/12/11	Karur	7.33	1610	475	124	40	147	11	nil	244	379	38	46	0.7
58	Kurumbapatty	Pz	26/12/11	Karur	8.1	150	45	10	5	9	11	nil	31	25	14	3	0.9
59	Enungur	Pz	26/3/12	Karur	8.1	1288	310	42	50	145	14	nil	458	156	29	35	0.7
60	Karumansirai		25/01/12	Thiruppur	7.8	1028	460	60	75	30	8	nil	403	71	29	87	1.1
61	Semalaivalasu	SDT-I	7/06/12	Tiruppur	6.9	937	200	12	41	117	8	nil	342	64	96	2	1.3
62	Semalaivalasu	SDT- II	7/06/12	Tiruppur	7.2	978	200	20	36	124	14	nil	384	71	67	0	1.5
63	Semalaivalasu	SDT-III	7/06/12	Tiruppur	7.57	518	190	30	28	25	13	nil	159	64	29	12	1.0
64	Semalaivalasu	APT-I	8/06/12	Tiruppur	7.53	1024	185	28	28	145	13	nil	293	71	144	35	1.2
65	Semalaivalasu	APT-II	8/06/12	Tiruppur	7.6	1015	150	30	18	152	22	nil	293	74	144	31	1.0
66	Thottampatty	SDT-I	17/05/12	Tiruppur	7.31	3880	1180	136	204	352	23	nil	500	560	672	66	0.8
67	Thottampatty	SDT- II	17/05/12	Tiruppur	7.2	4060	1200	124	216	403	18	nil	519	567	792	62	0.5
68	Thottampatty	SDT-III	17/05/12	Tiruppur	7.28	3960	1190	100	228	373	23	nil	513	567	720	66	0.7
69	Thottampatty	APT-I	18/05/12	Tiruppur	7.25	3950	1200	120	219	373	22	nil	500	539	768	71	0.6
70	Thottampatty	APT-II	18/05/12	Tiruppur	7.4	3910	1140	152	185	375	23	nil	494	514	768	71	0.7
71	Mathappur	SDT-I	25/04/12	Tiruppur	7.28	2640	970	180	126	182	22	nil	348	277	624	80	0.9
72	Mathappur	SDT- II	25/04/12	Tiruppur	7.5	2660	930	176	119	184	21	nil	354	284	624	75	0.7
73	Mathappur	SDT-III	25/04/12	Tiruppur	7.4	2640	930	176	119	168	23	nil	348	262	576	71	0.7
74	Mathappur	APT-I	26/05/12	Tiruppur	7.49	2620	940	200	107	161	22	nil	317	305	557	71	0.6
75	Mathappur	APT-II	26/05/12	Tiruppur	7.51	2600	950	208	105	166	8	nil	293	255	624	71	1.0

Annexure-III (a)

Exploratory drilling data- Amaravathy Basin

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	<b>DISTRICT : COIMBATORE</b>													
Sl. No.	Location, Well number, Co-ordinates, Toposheet Number and R.L. of G.L. (mamsl)	Year of Drilling	Depth drilled	Lithology	Fracture zones encountered (mbgl) / Discharge (lps)	Type of preliminary yield Test & Results (*)	Results of aquifer performance test		Specific capacity (lpm/m of Draw down)	T (m <sup>2</sup> /day)	S	EC	Cl	Remarks
			Casing				Pipe Lowered (mbgl)	SWL (mbgl)						
1	<b>NOYIL BASIN</b> <b>MANGARAI(EW)-1222</b> (11° 04' 50"; 76° 49' 30"-58 A/16)  615.560	1976	134.72	Sand and Clay followed by fractured Biotite Gneiss	65.50-71.50		25.52	6.66	10.89	2.63	--	625	36	Leaky confined aquifer
			62.48		106.00-113.50 127.00-128.60 (9.75)		15.5.78	36.70						
2	<b>VEERAPANDIPUDUR(EW)-1219</b> (11° 05' 00"; 76° 51' 00"-58 A/16)	1976	188.97	Sand, Clay with gravel followed by fractured Biotite gneiss and Sand and Clay	95.00-99.00	--	39.16	2.00	5.856	15.07	6.3 x 10 <sup>-4</sup>	420	26	Leaky confined aquifer
	82.14		115.00-118.00 127.50-135.00 181.50-188.00 (2.96)		22.4.78		20.49							
3	<b>PERIYATHADAGAM(EW)-1223</b> (11° 03' 45"; 76° 51' 20"-58 A/16)	1979	182.36	Sand and Clay with gravel followed by	92.50-95.30	--	50.900	0.33	1.21	0.62	2.77 x 10 <sup>-4</sup>	1050	67	Leaky confined aquifer
	64.25		107.80-112.80 124.00-133.00		3.10.79		16.37							

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	576.205			fractured Biotite Gneiss	(2.16)									
4	<b>KALAYANUR(EW)-1221</b> (11° 04' 15"; 76° 52' 30"-58 A/16)  517.450	1977	228.65	Sand and Clay	76.00-79.00	--	28.550	1.00	8.22	9.59	--	920	47	Leaky confined aquifer
			59.43	followed by fractured Biotite Gneiss	81.50-84.00 139.00-143.00 149.50-153.00 (2.96)		22.9.79	7.20						
5	<b>MADITHUR(EW)-1220</b>  (11° 04' 40";76° 53' 10" - 58 A/16)  513.955	1977	138.07	Sand and Clay	92.00-94.30	--	28.53	6.66	12.303	24.53	5.8 x 10 <sup>-4</sup>	800	44	Leaky confined aquifer
			71.82	followed by fractured Biotite Gneiss	112.00-120.00 124.00-128.00 (9.14)		19.6.78	32.51						
6	<b>NANJUNDAPURAM(EW)-1218</b> (11° 05' 00";76° 52' 30" - 58 A/16)  524.635	1977	182.88	Sand, Clay	102.00-105.00	--	30.80	3.30	5.851	7.99	--	845	46	Leaky confined aquifer
			69.79	with Gravel followed by Fractured Biotite Gneiss	116.50-119.50 138.50-141.00 157.50-160.00 (4.35)		7.6.78	34.18						
7	<b>VARAPALAYAM(EW)-1208</b> (11° 05' 05" ;76° 53' 15"- 58 A/16)  512.150	1977	152.40	Sand, Clay	84.00-85.00	--	29.33	4.00	6.77	5.27	--	875	38	Leaky confined aquifer
			84.45	with Gravel followed by Fractured Biotite Gneiss	87.20-97.50 107.00-111.00 (5.62)		29.5.78	35.45						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
8	<b>PAPPANAICKENPALAYAM (EW)-1209</b>	1976	182.80	Sand, Clay	87.00-107.00	--	27.35	2.00	6.764	35.170	--	670	50	Leaky confined
			68.58	with Gravel	116.00-127.00		23.5.78	17.74						

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	(11° 04' 35";76° 53' 45"- 58 A/16)  497.220			followed by Fractured Biotite Gneiss	161.00-174.00  (3.14)									aquifer
9	<b>MOLAPALAYAM(EW)-1226</b> (10° 56' 38";76° 49' 05"-58 B/13)  473.855	1977	228.70	Sand with Kankar	65.50-71.50	--	37.90	0.33	0.76	3.51	--	1160	114	Confined aquifer
			41.75	followed by fractured Biotite Gneiss and Calc Granulite	75.50-78.00 89.50-98.00 126.50-132.50 (1.77)		13.9.79	26.12						
10	<b>DOMBILIPALAYAM(EW)-1225</b> (10° 56' 50";76° 47' 00"-58 B/13)  447.890	1977	281.94	Sand with Kankar	92.50-101.00	--	13.28	1.33	5.07	87.17	6.0 x  10 <sup>-5</sup>	1200	97	Leaky  confined aquifer
			65.03	followed by fractured Biotite Gneiss and Calc Granulite	101.50-110.00 140.00-182.50 205.00-210.00 255.00-272.00 (1.19)		3.5.79	15.78						
11	<b>CHINNAR (EW)-1224</b> (10° 56'50";76° 48' 15"-58 B/9)  459.175	1977	152.40	Fractured	44.00-45.00	--	0.57	4.16	6.24	7.01	--	455	24	Confined aquifer
			25.75	Biotite Gneiss	52.30-53.60 70.20-72.70 (3.34)		16.4.79	40.07						
12	<b>PERIYAR PUMPING STATION (EW)-1214</b> (10° 56"50";76° 42' 30"-58 B/9)  462.425	1977	152.40	Fractured	76.50-86.50	--	1.03	5.00	12.91	35.16	--	410	14. 5	Confined aquifer
			45.42	Biotite and Garnetiferro us sillimanite Gneiss	106.00-108.50 128.50-132.00 (7.57)		9.4.79	23.23						
13	<b>SIRUVANIADIVARAM(EW)-1215</b> (10° 57' 50";76° 41' 10" - 58 B/9)	1979	25.16	Fractured		--	3.24	3.00	9.01	5.90	--	310	17	Flowing well confined
			12.43	Biotite	9.15		2.4.79	19.96						



**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	518.995			Gneiss										aquifer
14	<b>VALLIAMPALAIYAM</b> <b>(EW)-1216</b> (11° 00' 15";76° 51' 40"-58 A/16)  468.790	1978	158.50  35.45	Fractured  Biotite  Gneiss	37.00-48.00  80.00-82.50  98.50-103.00  112.00-113.50  119.00-121.50  135.50-136.50  145.50-150.00  (5.62)	--	37.20  16.8.78	4.66  26.55	10.55	110.7 6	4.7 x  10 <sup>-3</sup>	560	27	Confined  aquifer
15	<b>SUGARCANE INSTITUTE VEERAKERALAM(EW)- 1234</b> (11° 00' 30";76° 55' 00"-58 A/16)  154.630	1978	140.20  61.57	Fractured  Biotite  Gneiss	2.14	--	24.78	6.66  25.16	0.265	17.63	5.2 x  10 <sup>-5</sup>	2073 5	381	Leaky  confined  aquifer
16	<b>KUMARAPALAYAM(EW)- 1203</b> (11° 13' 00";77° 06' 15")  385.750	1977	184.57  22.70	Fractured  Biotite Gneiss withPegmat ite  and Quartz    Veins	22.00-23.25  59.00-60.50  118.00-122.00  125.50-127.50    (0.75)	--	13.08  29.12.78	1.66  12.98	7.80	20.47	8.53 x  10 <sup>-3</sup>	960	37	Unconfined  aquifer
17	<b>NARIYAMPALLI(EW)-1210</b> (11° 03' 00";77° 09' 30"-58 A/16)  355.860	1977	70.10  25.42	Fractured  Biotite  Gneiss	30.48-38.12  39.12-56.38 57.91-67.05  (4.30)	--	7.23  16.10.78	6.66  24.83	16.109	88.10	1.13 x  10 <sup>-2</sup>	1310	--	Unconfined  aquifer.

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
18	<b>SOMANUR(EW)-1211</b>  (11°05' 00" ;77° 11' 15"-58 E/8) 333.020	1978	183.01	Biotite Gneiss Fractured	75.00-91.00 122.00-142.00 (2.40)	--	8.00 8.1.79	11.66 2.14	327.10	473.2 9	4.35 x 10 <sup>-4</sup>	5781	155 5	
19	<b>SUGARCANE INSTITUTE</b> (11°08'50"; 76°55'00" -58 A/16)  342.99	1978	121.92	Soil with Kankar, biotite gneiss	19.82-57.92 67.10-91.44 94.46-125.00 (11.93)	--						2073	381	
20	<b>UDUMALAI PETTAI (EW)</b> (10°35'45";77°14'30"-58F/2) 366.280	1998	122.33 6.00	Hornblende gneiss with quartz feldspathic gneiss	75-76.60/4.36 109.10- 112.36/4.93	Air Test  Q=4.93 DD=21.36 Sp.Ca= 13.85 TA=29.98	3.10 20.6.98	--	--	--	--	5040	147 0	
21	<b>KUMARAPALAYAM (EW)</b> (10°34'30";77°24'00"-58F/6) 319.210	1998	156.4 6.00	Biotite gneiss with pegmatite	21.60- 23.70/0.22 50.10- 51.30/0.60	Air Test  Q=0.60 DD=12.55 Sp.Ca= 2.86	10.10 26.5.98	--	--	--	--	1200	--	
22	<b>RAMACHANDRAPURAM(E W)</b> (10°44'00";77°10'35"-58F/2) 347.270	1998	200 6.08	Granite gneiss	35.90- 36.90/0.014 113.09- 114.71/0.12 174-175.70/0.22	TA=22.6  Slug Test	13.55 9.7.98	--	--	--	--	630	43	
23	<b>APPILIPATTY (EW)</b> (10°46'45";77°17'05"-58F/5)  326.750	1998	200 6.20	Granite gneiss with pegmatite	14-15.65/0.22 75-76.6/0.32 88.23- 89.23/0.60	Air Test  Q=0.22  DD=13.20  Sp.Ca=  1.00	10.55 2.7.98	--	--	--	--	400	14. 9	

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
						TA=1.10								
24	<b>GURUVAPPANAYAKANUR (EW)</b> (10°30'30";77°14'50"-58F/2) 385.780	1998	200 6.04	Granite gneiss	19.65-20.65/0.08 28.27-29.27/0.20 54.75-58.75/0.40	Air Test TA=42.29	5.49 27.7.98	--	--	--	--	900	117	
	<b>DISTRICT : DINDIGUL</b>													
25	<b>MURTHINAYAKANPATTI (EW)</b> (10°19'05";77°58'05"-58f/15) 268.840	1996	201.00 5.90	Charnoc-kite	60.00-61.00/0.25	Slug Test TA=0.46	17.36 11.9.96	--	--	--	--	1260	262	
26	<b>PITHALAI PATTI (EW)</b> (10°20'08";77°55'30"-58F/15) 268.350	1996	110.00 6.10	Biotite Gneiss	29.70-30.00 42.51-64.51 81.61-82.61 88.23-85.23	Pumping Test	12.55 24.10.96	2.83 11.99	14.16	12.83	--	961	192	
27	<b>PITHALAI PATTI (OW)</b> (10°20'08";77°55'30"-58F/15) 268.950	1996	100.00 6.10	Granite Gneiss	29.27-30.00 34.84-36.89	Pumping Test	13.2 24.10.90		--	5.8	5.2x10 <sup>-4</sup>	984	202	
28	<b>PADIYUR (EW)</b> (10°25'05";78°01'40"-58J/3) 248.045	1996	108.00 6.1	Charnoc-kite	8.03-15.65 82.61-83.61	Pumping Test	12.82 11.12.96	12.4 30.7	24.23	1.27	--	1530	117	
29	<b>PADIYUR (OW)</b> (10°25'05";78°01'40"-58J/3) 247.905	1996	152.81 4.8	Charnoc-kite	78.61-79.61	Pumping Test	6.33 11.12.96	-- 25.7	--	1.65	1.59x10 <sup>-5</sup>	1560	140	
30	<b>KUTTATHUPATTI (EW)</b> (77°53'40";10°22'40"-58F/15) 261.930	1996	187.29 6.0	Biotite Gneiss	57.75-58.75 141.57-142.57 164.43-165.43	Air Test TA=1.47	10.22 27.12.96	1.25 24.22	3.1	1.47	--	610	39	
31	<b>KAMASHIPURAM (EW)</b> (10°26'50";77°49'10"-58F/15)	1997	200.00 6.0	Granite Gneiss	13.03-14.03 20.65-21.65	Air Test TA=0.523	1.21 17.1.97	0.77 34.1	1.35	--	--	1300	117	

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	302.220				80.61-81.61 193.91-194.91									
32	<b>J.METTUR (EW)</b> (10°13'30";77°54'23"-58F/16) 263.200	1997	176.00 10.30	Charnoc- kite	18.65-19.65 63.57-64.57 71.99-72.99	Pumping Test	18.26 152.97	1.21 26.08	2.78	1.91	--	1520	305	
33	<b>KUTTAM(EW)</b> (10°34'47";77°55'23"-58F/14) 234.510	1997	184.00 6.00	Granite Gneiss	16.65-17.65 28.27-20.27 55.81-56.81	Air Test TA=1.31	3.34 28.2.97	0.8 31.16	1.54	--	--	1050	140	
34	<b>EMAKKALAPURAM(EW)</b> (10°16'10";78°03'31"-58I/3) 346.634	1997	200.00 12.00	Granite Gneiss	18.00-19.00 78.00-79.00	Air Test TA=1.42	9.5 10.3.97	1.7 31.7	3.21	--	--	915	60	
35	<b>K.METTUPATTI (EW)</b> (10°38'45";77°54'45"-58F/14) 212.650	1997	200 6.1	Granite Gneiss	17.85- 18.85/0.500 96.85- 97.85/1.00	Air Test Q=0.77 TA=0.21	13.38 2.8.97	1 --	--	--	--	1030	167	
36	<b>VEDASANDUR (EW)</b> (10°32'00";77°56'45"-58F/14) 216.210	1997	200 6.1	Granite Gneiss	--	--	--	--	--	--	--			Dry Well
37	<b>SANKUPILLAIPPUDUR(EW )</b> (10°29'58";77°45'40"-58F/15) 311.380	1997	200 14	Granite Gneiss	17.0-18.0/0.20	Q=0.2	16.24 28.11.97	--	--	--	--			Low discharge
38	<b>KALLIMANDAYAM(EW)</b> (10°35'45";77°41'14"-58F/10)	1997	130 4	Charnoc- kite with intrusive pink granite	50.13- 51.13/0.20 54.75- 55.75/0.30 75.61- 76.61/7.00	--	6.6 18.12.97	1.37 15.22	541	2.273	--	1200	18	drilling Q=7.00 lps
	312.35													

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
39	<b>KIRANUR (EW)</b> (10°35'56";77°30'10"-58F/10)  276.945	1998	153  5.6	Granite Gneiss	9.03- 10.03/1.216 12.03- 13.03/1.789 16.65- 17.65/2.498 20.65- 21.65/3.35 56.75- 57.75/4.93	--	2.24  --	2  --	73.5	64.61	1.62x 10 <sup>-4</sup>	2010	386	
40	<b>PALANI(EW)</b> (10°26'36";77°32'08"-58F/11)  316.28	1998	150  6.1	Granite	41.51/moisture 55.75- 56.75/0.21	--	>50  21.12.98	--	--	--	--	740	160	Low discharge (0.10) lps
41	<b>SINDALAVADAMPATTI (EW)</b> (10°28'30";77°36'45"-58F/11)  342.34	1998	153  8	Granite Gneiss	14-15/0.77	Slug Test TA=12.42	4.61  27.2.98	--	--	--	--	2260	291	Poor discharge
42	<b>AYYAMPALAYAM(EW)</b> (10°29'25";77°23'30"-58F/7)  357.85	1998	130  5.5	Granite Gneiss	13.03- 14.03/water strude 24.27- 25.27/0.215 33.89- 34.89/0.442 39.51- 40.51/0.771 50.13- 52.13/1.486 57.75- 58.75/3.10	--	4.2  26.8.98	12.24	8.94	17.75	--	475	291	
43	<b>AYYAMPALAYAM(OW)</b> (10°29'25";77°23'30"-58F/7)  357.35	1998	100  6.5	Granite Gneiss	13.03- 14.03/water 24.27- 25.27/0.442  39.51- 40.51/1.486 43-44.10/1.789	--	3.2  26.8.98	1.789  1.24	86.56	73.22	9.77x 10 <sup>-4</sup>	--	--	

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
44	<b>KEERANUR (OW)</b> (10°35'56";77°30'10"-58F/10) 277.025	1998	79.77 6.5	Charnockite	12.03- 13.03/1.00	--	1.79 7.2.98	1 0.89	67.42	110.7 5	1.62x 10-4	1375	227	
45	<b>KALLIMANDAYAM(OW)</b> (10°35'45";77°41'14"-58J/2) 311.860	1997	130 6.00	Charnockite	11.03- 12.03/1.00	Q=1.00 (lps)	2.9 12.12.97					435	4	
46	<b>S.KODANGIPATTI (EW)</b> (10°18'00"; 77°53'00"-58F/15) 296.210	2002	161 5.60	Granite gneiss	13.50- 14.30/moisture 14.50-16.12/0.1 55.22-56.22/0.5 143.04- 144.04/0.77	Slug Test  TA=3.21 m <sup>2</sup> /day	15.15 23.10.02	--	--	--	--	--	--	Low yield 1.6
47	<b>TANDAKKARANPATTI(EW )</b> (10°19'17";77°59'10"-58F/15) 308.210	2003	13.62 6.10	Granite gneiss	13.5- 14.50/Moisture 22.12-23.12/0.5 64.84-64.84/2.1  113.56- 114.56/3.34 118.18- 119.18/4.36	--	18.92 6.1.03	1.9 11.18	--	12.58	--	868	74	
48	<b>VAKKAMPATTI (EW)</b> (10°18'30";77°54'00"-58F/15) 266.370	2003	140.00 6.10	Granite Gneiss	14.50- 15.50/0.50	--	6.2 22.1.03	--	--	--	--	3770	759	Low Yield
49	<b>AMBATTURAI (EW)</b> (10°16'20";77°55'00"-58F/15) 298.210	2003	160.90 6.10	Biotite Gneiss	10.50-11.50/  Moisture 22.12- 23.12/2.00	Air Test  Q=1.2lps DD=8.96 TA=6.07	7.13 31.1.03	--	8.04	--	--	3280	596	Low Yield

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
						m <sup>2</sup> /day								
50	<b>RAYARPATTI (EW)</b> (10°21'30";77°55'45"-58F/15) 270.410	2003	193.78 12.00	Biotite Gneiss	41.00- 42.00/0.20	--	22.60 22.3.03	--	--	--	--	688	39	1.5
51	<b>GANDHIGRAMAM (EW-I)</b> (10°16'00";77°56'00"-58F/15) 303.420	2003	183.76 6.10	Granite Gneiss	18.12- 19.12/moisture 168.52- 169.52/0.75	Air Test Q=0.59lps DD=24.00 TA=0.51	26.10 28.2.03	--	1.25	--	--	775	39	1.5
52	<b>GANDHIGRAMAM (EW-II)</b> (10°16'30";77°56'00"-58F/15) 305.910	2003	193.78 6.10	Granite Gneiss	181.00- 182.00/0.02	--	>50.00 --	--	--	--	--	706	39	0.75
53	<b>GANDHIGRAMAM (EW-III)</b> (10°16'30";77°56'00"-58F/15) 306.510	2003	217.30 6.10	Biotite Gneiss	10.50-11.50/ Moisture 66.84-69.46/0.2	--	>50 11.3.03	--	--	--	--	730	21	Low Yield 1.2
54	<b>GANDHIGRAMAM (EW-IV)</b> (10°16'30";77°55'50"-58F/15) 306.230	2003	282.92 6.1	Biotite Granite Gneiss	32.36- 33.36/0.20 149.66- 150.66/1.00	Air Test Q=38lpm DD=36.20	22.55 10.4.03		1.05					
55	<b>GANDHIGRAMAM (EW-V)</b> (10°16'25";77°55'30"-58F/15) 307.150	2003	267.58 6.10	Charnoc- kite	95-96/0.123	--	>50 25.4.03	--	--	--	--	730	21	Very Low Yield 1.2
56	<b>REDDIYARCHATTRAM(E W)</b> (10°24'30";77°54'0"-58F/15) 263.810	2003	300.04	Biotite Granite Gneiss	35.36- 36.36/0.01 122.80- 123.80/0.215	--	>50 20.5.03	--	--	--	--	1183	121	Very Low Yield 0.95

**DISTRICT : ERODE**

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
57	<b>ANJUR(EW)-4002</b> (11° 04' 10";77° 48' 20"-58 E/16)  163.870	1979	146.47	Fractured	27.43-30.48	--	7.51	8.33	0.210	8.54	1.6 x 10 <sup>-3</sup>	2500	208	Unconfined
			31.02	Biotite Gneiss	37.00-60.00 68.50-71.00 85.00-86.50 92.00-106.00 111.00-113.00 120.00-121.50		39.59	aquifer with delayed yield gravity drainage						
58	<b>ICHCHIPALAYAM (EW)</b>  11°09'25";77°28'35"-58E/8 293.610	2003	300.00	Granite gneiss	130.42-131.42/Moisture 131.42-132.42/0.190	Low yield & No Test	>50	--	--	--	--	1250	177	Deep Water Level
	6.10		26.7.03				0.60							
59	<b>CHINNIYAMPALAYAM(EW)</b>  11°07'33";77°47'17"-58E/16 213.610	2003	252.34	Biotite gneiss	104.94-105.94/1.00 105.94-106.94/1.20	Air Test  Q=0.5 DD=32 m	5.7	--	--	--	--	--	--	--
	6.1		16.11.03				--							
60	<b>CHENNIMALAI (EW)</b>  11°10'00";77°36'30"-58E/12 269.180	2004	229.48	Granite gneiss	101.94-102.94/1.00	No Test	>80.0	--	--	--	--	1995	319	Deep water level
	14.60		9.3.04				1.26							
61	<b>PADIYUR (EW)</b>  11°03'20";77°29'02"-58E/8	2004	252.34	Granite gneiss	73.46-74.46/moisture 110.56-111.56/0.50	No Test	>80.0	--	--	--	--	860	89	Deep water level
	6.10		15.3.04											
62	<b>NATHAKADAIYUR(EW)</b>  11°05'05";77°39'55"-58E/12	2004	267.58	Charnoc-kite	21.12-22.12/0.078	PYT	8.28	0.731	--	--	--	2200	426	
	6.10		157.28-158.28/0.731		Q=0.731 lps	24.4.04	27.82	1.28						
						DD=27.82 m								
63	<b>PONNAPURAM(EW)</b>  10°40'38";77°24'00"-58F/6	2004	252.34	Charnoc-kite	74.46-75.46/moisture	No Test	52.4	--	--	--	--	852	89	Deep water level
	6.10		17.8.04				1.20							



**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
64	PUDUPALAYAM(EW) 10°56'08";77°32'25"-58F/9	2004	260	Charnoc- kite	56.22- 57.22/0.21 223.86- 224.86/0.32	Slug Test	13.19	--	--	--	--	1435	249	Low yield
			5.45				6.7.04							well
														1.18
65	KAMBILYAMPATTY(EW) 10°53'30";77°36'22"-58F/9	2004	260	Charnoc- kite	83.08-84.70/0.5	Slug Test	16.21	--	--	--	--	2580	511	Low yield
			6.00				27.5.04							well
														1.1
66	N.KANJIPURAM(EW) 10°55'32";77°26'38"-58F/5	2004	275.2	Charnoc- kite	Dry well	No Test	19.27	--	--	--	--	--	--	Dry well
			6.00				23.6.04							
67	NAINAKAVUNDANVALASU (EW) 10°49'08";77°40'58"-58F/9	2004	252.34	Charnoc- kite	26.74- 27.74/0.215 52.60- 54.22/0.441	--	56.36	--	--	--	--	2120	348	Deep water level/Lo w yield well
			5.5											
														1.40
68	KARATTUPALAYAM (EW) 10°54'58";77°43'54"-58F/9	2004	130.42	Charnoc- kite	63.84- 64.84/0.731 66.84- 67.84/1.20	No Test	31.87	1.20	--	--	--	2370 0	710 0	Poor Quality
			5.50				26.6.04							
														1.50
69	KANNIVADI (EW) 10°48'23";77°47'00"-58F/13	2004	107.56	Hornblende Biotite gneiss	36.36- 39.00/0.44 92.32- 94.32/1.22 100-101.94/2.49 101.94-103/6.88 103-104/10.12 104-105/16.44	--	27.1	26.32	7.09	9.57	--	1705	142	
			5.40				10.7.04							3.1
														1.62

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
					105-106/21.72										
70	KANNIVADI (OW-I)	2004	145.66	Hornblende Biotite gneiss	75.46- 77.08/1.48	--	27.67	--	--	--	0.388 x	1687	142		
	10°48'23";77°47'00"-58F/13		5.4		90.7-92.32/2.9		10.7.04				10 <sup>-3</sup>			1.45	
					109.56- 110.56/5.53										
					120.18- 121.18/8.4										
					123.80- 123.80/10.12										
71	KANNIVADI (OW-II)	2004	130.42	Hornblende Biotite gneiss	65.84- 66.84/0.014	--	27.9	--	--	--	--	1704	142		
	10°48'23";77°47'00"-58F/13		5.4		73.46- 74.46/0.22		10.7.04							1.33	
					82-83/0.44										
					88.7-89.7/1.20										
					98-100/1.2										
					107.56- 108.56/2.90										
					108.56- 109.56/5.33										
					109.56/110.56/8 .40										
					110.56- 111.56/12.02										
72	DASANAKANPATTY (EW)	2004	252.34		Charnoc- kite	--	--	--	--	--	--	--	--	--	Dry well
	10°37'55";77°25'02"-58F/10		5.40												
73	MUTHAMPALAYAM (EW)	2004	153.28	Biotite gneiss	12.50- 14.50/0.32	--	46.7	1.18	30.12	24.9	--	1250	159		
	11°11'45";77°25'00"-58E/8		5.50		24.7-86.7/3.8		18.10.34	2.35						1.35	
					103.94- 105.94/8.40										
				149.66- 150.66/11.04											
74	MUTHAMPALAYAM (OW)	2004	153.28	Biotite gneiss	73.46-75.46/2.4	--	--	--	--	--	0.084 x	1220	152		
	11°11'45";77°25'00"-58E/8		5.50		90.7-92.32/3.34						10 <sup>-3</sup>			1.11	

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
					97.32-98.32/4.92 149.66-151.66/6.88									
75	CHINNARIPALAYAM (EW) 10°47'12";77°25'15"-58F/5	2004	206.62 5.50	Charnoc-kite	12.50-13.50/0.014 67.84-69.46/0.078	No Test	16.62	--	--	--	--	1251	142	Poor yield 1.33
76	PATTAKARA PUDUR (EW) 10°57'25";77°36'30"-58F/9	2004	153.28 6.50	Gneiss	34.36-35.36/0.078 46.6-47.6/0.73 55.22-56.22/0.73 78.08-79.08/1.79 98.32-99.94/3.34 108.56-109.56/5.53 121.18-122.80/4.92 123.80-124.80/3.80	--	57.05 16.9.04	1.00 12.78	5.47	13.18	--	4580	133 5	1.76
77	PATTAKARA PUDUR (OW) 10°57'25";77°36'30"-58F/9	2004	153.28 6.00	Gneiss	63.84-64.84/0.22 83.08-84.70/0.73 102.94-103.94/1.79 121.18-122.80/2.49	--	56.58 16.9.04	--	--	--	0.741 x 10 <sup>-3</sup>	2410	348	1.6
78	RATTALAVALASU 10°44'10";77°35'04"-58F/10	2004	252.34 5.49	Charnoc-kite	125.8-126.8/0.73 206.62-207.62/0.441	Slug Test	43.99 10.8.04 (slug)	--	--	--	--	2060	298	1.6

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
79	THILLAIKAVUNDANPUDUR(EW) 10°44'45";77°44'00"-58F/10	2004	260 5.40	Charnoc-kite	--	--	--	--	--	--	--	--	--	Dry Well
80	TALAKKARAI (EW) 10°47'50";77°32'35"-58F/10	2004	220 5.5	Gneiss	25.74-26.74/wet 57.22-58.22/0.215 93.32-95.32/0.592 134.42-135.42/1.80	PYT Q=7.8 DD=16.25	9.35 10.9.04	1.18 1.35	52.44	--	--	1755	216	0.71
<b>DISTRICT : KARUR</b>														
81	VENKATAPURAM(EW) 10°51'00";77°56'00"-58F/13	2002	200.00 6.20	Granite Gneiss	105.00-106.00/0.20	--	32.5	0.20	--	--	--	2780	992	Less Yield 2.5
82	PALLAMPATTI(EW) 10°53'14";78°01'31"-58J/1	2002	200.00 6.00	Biotite Gneiss	18.00-19.00/wet 24.00-25.00/0.10	--	24.4	--	--	--	--	--	--	Very Poor
83	N.VENKATAPURAM(EW1) 10°51'28";77°55'54"-58F/13	2002	115.00 6.00	Granite Gneiss	17.00-18.00/wet 57.00-58.00/0.20	--	8.9.2002 15.4 22.9.2002	--	--	--	--	898	43	Yield Very Poor yield DD=0.10 lps 0.877
84	N.VENKATAPURAM(EW2) 10°51'28";77°55'54"-58F/13	2002	200 6.00	Granite Gneiss	17-18/wet 75-76/0.40	--	15.50	0.2	--	--	--	1129	117	Very Poor yield 0.686
85	CHINNAKARIYAMPATTI (EW) 10°39'52";77°57'46"-58F/14	2002	196 6.00	Biotite Gneiss	17-18/wet 34-35/wet 53-54/4.00	--	21.85 12.12.2002	2.77 20.4	8.15	426	--	624	18	0.66
86	PERIYAPUDUR (EW) 10°49'12";77°59'38"-58F/13	2002	200 6.00	Biotite Gneiss	18-19/wet 62-63/0.20	--	9.5 23.12.2002	--	--	--	--	3880	104	2 Very low discharge

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
					88-89/Dry 93-94/Dry									1.5
87	HANUMANTHANPATTI(EW) 10°3'52";77°55'00"-58F/14	2002	200 6.00	Biotite Gneiss	29-30/Wet 65-66/0.60 89-90/0.75	--	25 1.1.2003	--	--	--	--	1163	152	Very Poor Yield 1.0
88	PERAKKAMPALAYAM(EW) 10°57'30";77°48'08"-58F/13	2002	200 6.00	Granite Gneiss	19-20/Wet 75-76/0.20	--	14.7 24.10.2002	--	--	--	--	2780	475	Very low Yield 0.06
89	PERIYAMANJUVALI (EW) 10°39'52";77°57'46"-58f/14	2002	200 6.00	Granite Gneiss	31.9-38/0.38 38-44/0.44 128.4-129.5/1.2	Air Test	15.2 12.1.03	1.2 8.1	8.89	11.42	--	1030	241	0.53

Annexure – III (b)

**BASIC DATA OF PIEZOMETERS CONSTRUCTED UNDER HYDROLOGY PROJECT- Amaravathy Basin**

Sl No	Well No/Village	Block	Topo-sheet No.	Latitude	Longitude	RL (magl)	Date of Drilling	Geology	Depth of Bore hole (mbgl)	Weathered Residuim (mbgl)	Fracture zones encountered (mbgl)	Dis-charge (Ips)	Water level (mbgl)	EC (umhos/cm)
	<b>District : Coimbatore</b>													
1	1201pz Coimbatore	Coimbatore	58A/16	10°59'00"	76°57'45"	424.19	19/12/1998	Granite Gneiss	60.85	5.4	20.0-20.1,24.0-24.1,36.5-36.6, 50.5-50.6	1.2	6.8	1615
2	1205pz Annur	Annur	58E/04	11°13'30"	77°06'30"	494.05	08/12/1998	Charnockite	48	14	27.00 - 30.00	0.316	25.20	2880
3	1207pz Sar.Samakulam	Sarkar samakulam	58E/04	11°08'00"	77°02'00"	292.79	08/12/1998	Granite Gneiss	66.9	18	23.00 -23.10 45.00 - 45.10	0.014 0.078	15.00	2540
4	1208pz Samalapuram	Sulur	58A/4	11°05'15"	77°10'45"	354.19	06/12/1998	Granite Gneiss	39	5.5	9.00 - 9.10 17.00 - 17.10	0.078 2.00	2.00	880
5	1206pz Karuvalur	Avinashi	58E/04	11°12'10"	70°10'30"	367.13	06/12/1998	Granite Gneiss	45.8	9.5	23.80 - 23.90	0.441	19.10	1180

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl No	Well No/Village	Block	Topo-sheet No.	Latitude	Longitude	RL (magl)	Date of Drilling	Geology	Depth of Bore hole (mbgl)	Weathered Residuum (mbgl)	Fracture zones encountered (mbgl)	Dis-charge (lps)	Water level (mbgl)	EC (umhos/cm)
6	1209pz Avinasi	Avinasi	58E/08	11°12'10"	77°15'30"	322.06	05/12/1998	Granite Gneiss	46	5.5	23.00 - 23.10 36.5 - 36.65	0.316 0.014	12.80	7490
7	1210pz Perumanallur	Avinashi	58E/08	11°12'20"	77°21'15"	305.17	04/12/1998	Granite	52.1	5.5	36.5 - 36.65	0.014	20.90	-
8	1211pz Mangalam	Palladam	58E/08	11°05'30"	77°16'10"	311.57	27/11/1998	Granite Gneiss	67.7	5.8	43.00 - 43.50 62.00 - 62.10	0.05 0.078	26.20	805
9	1212pz Tiruppur	Tirupur	58E/08	11°05'50"	77°21'10"	299.19	27/12/1998	Granite Gneiss	69.85	10.4	13.00 -13.10	0.014	6.64	515
10	1213pz Nachipalayam	Tirupur	58E/08	11°04'50"	77°27'10"	315.07	02/12/1998	Granite Gneiss	108	8.3	dry	-	8.15	-
11	1214pz Sular	Sular	58E/04	11°01'05"	77°07'25"	364.10	28/12/1998	Charnockite	111	6.4	dry	-	1.54	-

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl No	Well No/Village	Block	Topo-sheet No.	Latitude	Longitude	RL (magl)	Date of Drilling	Geology	Depth of Bore hole (mbgl)	Weathered Residuum (mbgl)	Fracture zones encountered (mbgl)	Dis-charge (lps)	Water level (mbgl)	EC (umhos/cm)
12	1217pz Selakaraichal	Sultanpet	58F/1	10°57'00"	77°10'00"	390.12	28/12/1998	Granite Gneiss	76	17.7	42.50 - 43.00	0.200	20.20	1370
13	1221pz Dhalli	Udumalpet	58F/02	10°30'30"	77°11'00"	454.13	21/11/1998	Granite Gneiss	51.9	15.25	14.0-14.30 42.5-42.6	0.318	4.20	4770
14	1222pz Udumalpet	Udumalpet	58F/2	10°35'00"	77°14'40"	363.73	23/11/1998	Granite Gneiss	79	10.7	9.0-9.20 58.0-58.3 79.0-79.2	0.015	20.00	210
15	1223pz Kumaralingam	Madathakulam	58F/20	10°29'00"	77°22'00"	314.78	23/11/1998	Granite Gneiss	60.4	5.5	4.50-4.60 18.50-19.50	1.200	1.50	2280
16	1224pz Karattoluvu	Madathakulam	58F/06	10°37'25"	77°22'30"	348.53	23/11/1998	Granite Gneiss	39.5	5.5	4.0-4.2 13.0-17.40	2.490	1.00	2260
17	1225pz Periyapatti	Gudimangalam	58F/05	10°45'30"	77°16'05"	305.03	25/11/1998	Granite Gneiss	80.76	11.6	-	-	11.60	-
18	1226pz Pongalur	Pongalur	58F/5	10°58'00"	77°22'20"	362.17	03/12/1998	Granite Gneiss	32.5	5.5	16.5-17.5 32.0-32.5	2.490	4.10	1390



**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl No	Well No/Village	Block	Topo-sheet No.	Latitude	Longitude	RL (magl)	Date of Drilling	Geology	Depth of Bore hole (mbgl)	Weathered Residuum (mbgl)	Fracture zones encountered (mbgl)	Dis-charge (lps)	Water level (mbgl)	EC (umhos/cm)
19	1227pz Palladam	Palladam	58F/5	10°59'30"	77°16'50"	373.61	01/12/1998	Granite Gneiss	48.9	8.2	15.0-15.20 24.5-25.0	0.075	8.25	900
20	1229pz Thondamuthur	Thondamuthur	58B/13	10°59'00"	76°50'00"	395.11	16/12/1998	Granite Gneiss	58	30.4	33.50-33.6 43.0-43.1	3.340	12.25	-
21	1231pz Ramanatha	Pollachi	58B/04	10°41'30"	76°54'30"	259.47	15/11/1998	Granite Gneiss	70.2	3.46	-	-	5.70	-
22	1234pz Sulthanpet	Sulthanpet	58E/01	10°52'20"	77°11'30"	406.21	29/11/1998	Granite	50.8	5.5	17.5-17.6 30.0-30.10	0.316	17.40	860
23	1235pz Saravanampatt	Sarkarsamakulam	58F/04	11°04'30"	77°00'05"	413.44	19/12/1998	Granite Gneiss	61	32.9	36.5-36.6	1.790	25.60	1580
24	1236pz Kunlmathur	Perur	58B/13	10°58'00"	76°55'00"	418.57	14/12/1998	Granite Gneiss	64.05	12.8	7.0-7.10	0.021	4.60	-

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl No	Well No/Village	Block	Topo-sheet No.	Latitude	Longitude	RL (magl)	Date of Drilling	Geology	Depth of Bore hole (mbgl)	Weathered Residuum (mbgl)	Fracture zones encountered (mbgl)	Dis-charge (lps)	Water level (mbgl)	EC (umhos/cm)
25	1237pz Kettanur	Pongalur	58F/05	10°54'55"	77°15'40"	399.17	26/11/1998	Granite Gneiss	67.1	11.6	15.00-15.10 45.00-45.10	0.021	9.30	2340
<b>District : Dindigul</b>														
26	4201pz Talaiyuthu	Thoppampatti	58F/06	10°31'00"	77°26'30"	314.71	24/06/1999	Granite Gneiss	71.94	5	54.0-54.1	0.215	5.80	-
27	4202pz Palani	Palani	58F/03	10°27'00"	77°29'30"	316.28	07/07/1999	Gneiss	63.00	8.5	43.6-43.7; 51.2-51.3	0.316	12.48	915
28	4203pz Kallimandiam	Thoppampatti	58F/10	10°35'00"	77°41'40"	309.28	10/07/1999	Gneiss	72.10	10.05	Dry well	-	5.80	-

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl No	Well No/Village	Block	Topo-sheet No.	Latitude	Longitude	RL (magl)	Date of Drilling	Geology	Depth of Bore hole (mbgl)	Weathered Residuum (mbgl)	Fracture zones encountered (mbgl)	Dis-charge (lps)	Water level (mbgl)	EC (umhos/cm)
29	4204pz Idaikottai	Oddanchatram	58F/14	10°37'00"	77°50'30"	217.28	25/06/1999	Granite Gneiss	71.94	4	51.5-51.8	0.025	26.75	1520
30	4205pz Oddanchatram	Oddanchatram	58F/15	10°29'27"	77°45'10"	305.17	24/06/1999	Granite Gneiss	70.50	5	62.5-62.7	0.441	20.75	1250
31	4206pz Reddichatram	Reddiarchatram	58F/16	10°25'40"	77°53'00"	260.75	03/07/1999	Granite Gneiss	54.25	14.9	19.3-19.4; 31.5-31.6	0.441	20.10	810
32	4211pz Sanarpatti	Sanarpatti	58J/03	10°15'30"	78°06'00"	333.37	05/07/1999	Gneiss	69.40	35.55	49.7-49.8	0.078	13.00	1210
33	4213pz Kovilur	Vedasandur	58J/02	10°35'30"	78°05'10"	247.26	26/06/1999	Granite Gneiss	45.30	7.9	12.0-12.1; 15.0-15.1	1.5	12.20	5890

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl No	Well No/Village	Block	Topo-sheet No.	Latitude	Longitude	RL (magl)	Date of Drilling	Geology	Depth of Bore hole (mbgl)	Weathered Residuum (mbgl)	Fracture zones encountered (mbgl)	Dis-charge (lps)	Water level (mbgl)	EC (umhos/cm)
34	4214pz Muthunayakanpatti	Oddanchatram	58J/02	10°34'30"	77°52'00"	268.84	07/09/1999	Granite Gneiss	83.60	5.5	Dry well	-	5.17	-
35	4215pz Tadikambu	Dindigul	58J/15	10°28'05"	77°57'05"	230.58	26/06/1999	Granite Gneiss	37.25	16.15	22.0-22.1; 25.0-25.1; 34.0-34.1	4.4	16.90	4860
36	4216pz Dindigul	Dindigul	58F/15	10°24'30"	77°58'00"	267.25	07/10/1999	Granite Gneiss	42.00	5.5	14.75-14.85	0.014	11.40	1120
37	4218pz Pittalaipatti	Athur	58F/15	10°19'40"	77°56'00"	268.35	30/06/1999	Granite Gneiss	50.70	15	16.25-16.40; 30.0-30.2	0.215	11.20	5350
38	4219pz Mettupatti	Dindigul	58F/15	10°21'30"	77°58'30"	273.32	02/07/1999	Granite Gneiss	44.80	7.5	11.69-11.80; 20.81-20.95	0.025	10.10	4210

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl No	Well No/Village	Block	Topo-sheet No.	Latitude	Longitude	RL (magl)	Date of Drilling	Geology	Depth of Bore hole (mbgl)	Weathered Residuum (mbgl)	Fracture zones encountered (mbgl)	Dis-charge (lps)	Water level (mbgl)	EC (umhos/cm)
39	4220pz Kullanampatti	Dindigul	58E/15	10°20'30"	77°59'30"	283.37	02/07/1999	Granite Gneiss	55.40	3	32.97-33.08	0.215	27.00	3010
<b>District : Erode</b>														
40	4008pz Kunnathur	Uttukuli	58E/07	11°16'45"	77°24'45"	322.26	18/12/1999	Granite Gneiss	91.70	5.4	Dry well	-	41.80	-
41	4010pz Chengapalli	Uttukuli	58E/12	11°13'30"	77°26'37"	297.39	25/12/1998	Granite Gneiss	64.60	10.1	10.6-10.8	0.014	29.80	-
42	4011pz Chennimalai	Chennimalai	58E/12	11°09'30"	77°35'30"	272.52	27/12/1998	Granite Gneiss	60.00	12.6	36.5-36.6	0.010	15.00	-

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl No	Well No/Village	Block	Topo-sheet No.	Latitude	Longitude	RL (magl)	Date of Drilling	Geology	Depth of Bore hole (mbgl)	Weathered Residuum (mbgl)	Fracture zones encountered (mbgl)	Dis-charge (lps)	Water level (mbgl)	EC (umhos/cm)
43	4012pz Nattakadaiyur	Kangayam	58E/12	11°05'15"	77°39'40"	215.77	28/12/1998	Granite Gneiss	69.20	3	27.4-27.5; 64.0-64.2	0.010	4.40	-
44	4013pz Muttur	Vellakoil	58E/12	11°03'00"	77°45'00"	221.23	29/12/1998	Granite Gneiss	58.84	7.2	21.9-22.0; 53.9-54.0	0.215	26.50	-
45	4015pz Avalpundurai	Modakurichi	58E/12	11°14'00"	77°43'15"	217.41	26/12/1998	Granite	60.20	8	11.5-11.6; 28.0-28.1	0.316	10.20	-
46	4017pz Alangiyam	Dharapuram	58E/11	10°39'30"	77°29'45"	260.22	04/09/1999	Granite Gneiss	52.20	7	12.5-12.6; 33.0-33.1	0.215	9.85	-
47	4020pz Urachikottai	Bhavani	58E/11	11°29'05"	77°41'30"	180.02	24/12/1998	Granite Gneiss	31.00	7	5.5-5.8; 7.3- 7.4; 23.0- 23.1	1.790	2.80	-

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl No	Well No/Village	Block	Topo-sheet No.	Latitude	Longitude	RL (magl)	Date of Drilling	Geology	Depth of Bore hole (mbgl)	Weathered Residuum (mbgl)	Fracture zones encountered (mbgl)	Dis-charge (lps)	Water level (mbgl)	EC (umhos/cm)
48	4021pz Kugalur	Gobichettipalayam	58E/07	11°29'00"	77°28'50"	199.29	05/01/1999	Granite Gneiss	40.80	3.5	9.8-10.0; 20.2-20.3	2.800	9.85	-
49	4023pz Olapalayam	Vellakoil	58F/09	10°57'30"	77°41'00"	256.03	28/12/1998	Granite Gneiss	61.80	8.9	32.3-32.35	0.010	7.50	-
50	4024pz Kundadam	Kundadam	58F/06	10°50'30"	77°26'30"	300.59	29/12/1998	Granite Gneiss	70.00	16	13.7-13.9; 18.2-18.3; 28.0-28.2	0.079	2.10	-
51	4025pz Dharapuram	Dharapuram	58F/10	10°44'00"	77°32'00"	248.71	30/12/1998	Granite Gneiss	79.50	5.3	39.0-39.2	0.317	7.40	980
52	4026pz Mulanur	Mulanur	58F/09	10°47'50"	77°43'20"	219.98	06/01/1998	Granite Gneiss	55.40	6.5	10.0-10.1; 33.0-33.1; 46.0-46.1	2.490	7.40	3070

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl No	Well No/Village	Block	Topo-sheet No.	Latitude	Longitude	RL (magl)	Date of Drilling	Geology	Depth of Bore hole (mbgl)	Weathered Residuum (mbgl)	Fracture zones encountered (mbgl)	Dis-charge (lps)	Water level (mbgl)	EC (umhos/cm)
53	4027pz Nilangelvalasu	Mulanur	58F/10	10°38'30"	77°43'55"	295.09	07/01/1999	Granite Gneiss	70.00	0.3	10.0-10.1	0.014	25.00	-
54	4028pz Kangayam	Kangayam	58F/09	10°59'30"	77°33'30"	312.85	27/01/1999	Granite Gneiss	60.90	14.1	12.2-12.3; 27.0-27.1	0.078	9.82	-
55	4031pz Vijayamangalam	Perundurai	58E/12	11°10'00"	77°25'00"	282.89	24/12/1998	Granite Gneiss	67.00	5.4	30.5-32.0	0.078	24.60	2070
	<b>District : Karur</b>													
56	5604pz Karur	Karur	58J/01	10°57'20"	78°05'30"	123.08	09/01/1999	Granite Gneiss	64	6.7	54.00-54.20	0.014	18.60	3000



**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl No	Well No/Village	Block	Topo-sheet No.	Latitude	Longitude	RL (magl)	Date of Drilling	Geology	Depth of Bore hole (mbgl)	Weathered Residuum (mbgl)	Fracture zones encountered (mbgl)	Dis-charge (lps)	Water level (mbgl)	EC (umhos/cm)
57	5606pz Aravakurichi	Aravankurichi	58F/13	10°43'30"	77°52'30"	166.05	07/01/1999	Granite Gneiss	49	5.5	17.00-17.20	0.215	11.59	355
58	5607pz Thennilai	Thennilai	58F/13	10°57'30"	77°51'30"	202.28	09/01/1999	Granite Gneiss	61	8.55	15.20-15.30, 36.80-36.90, 48.00-48.10	1.200	18.90	2630

Annexure – III (c)

**DETAILS OF WELLS CONSTRUCTED IN HARD FORMATION IN DINDIGUL & MADURAI DISTRICTS, TAMILNADU FOR AQUIFER MAPPING DURING 2012-14**

Sl. No.	Location & Coordinates	Block	Depth Drilled (m)	Depth Of Well (m)	Thick Ness Of weat	Casing Lowered (mm) With Dia(m)	FracureEnc ountered	Aquifer	SWL mbgl	Q lpm	D/D m	T m <sup>2</sup> /d ay	Quality EC & pH	Remarks
1	Chattarapatti Pz N102743 E775648 58F/15-1C	Dindigul	200	200	18.	18.2 & 177.8	12-12.75 62 62.5-62.6	Weathered /Fractured Granine gneiss	6.2	6	NA	1.6		
2	Reddiyar Chatttiram EW N102552 E775159 58F/15-1B	R.Chatram	200	200	12	12 177.8	4.7-4.8 42.5-43 53-54 84-86	Fr GrGn	7.69	71	37.09 37.09	0.4	EC-2100 pH-8.2	
3	Adilaksmi Puram EW N101747 E775251 58F/15-3B	Atthur	200	200	12	12 177.8	13-15 50-50.75	Hb Gn Fra	9.65	45	32.1	1.8	Ec-870 Ph--8.4	
4	Sriramapuram EW N102525 E774825	R.Chatram	200	200	23.00	24.15 & 177.8	9.75-10 36-36.75 198-199.75	Gr.Gn & py Gr fr	8.2	324	24.77	5.47		
5	Sriramapuram OW	do	200	200	23	24.2	12-12.75 16-17	do	7.53	196.8				

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl. No.	Location & Coordinates	Block	Depth Drilled (m)	Depth Of Well (m)	Thick Ness Of weat	Casing Lowered (mm) With Dia(m)	Fracture Encountered	Aquifer	SWL mbgl	Q lpm	D/D m	T m <sup>2</sup> /day	Quality EC & pH	Remarks
	N102529 E774825 58F/15-1A						37-38 68-69 178-179				-			
6	K.V.N.Patti PZ N102203 E775018 58F/15-2B	Attur	200	200	29	30.25	12-12.75 28 137-138 192-	Gr.Gn We & fr	15	25.8		-		
7	Siddayan KottaiPz N101621 E775008 58F/15-3A	Attur	200	200	13.5	14.8 177.8	44-45	Gr.Gneiss fractured	3.23	6.0		0.2		
8	ChitterevuPz N101416 E774615 58F/16-1A	Attur	200	200	22	22.7 177.8	33-33.50 66.75-67	Gr.gne fracture	21.5	6		0.1	Ec-1280 ph-9.8	
9	Chelliyapuram EW	N.kottai	200	200	13.0	13.7 177.8	9.70-10.0 51-51.25 77-78 150-150.7 170.171	Charnocharnoc kite,fr	18.54	12.6		0.4	Ec -1200 Ph-9.6	
10	Nilakottai EW N100841 E775047 58F/16-2B	Nilakottai	200	200	14.0	15.35 m & 177.8	14 108.75- 110.75 178-180	Charnockite fra	10	87	22.65	4.5	Ec-900 ph-8.2	
11	Nilakottai OW	Nilakottai	200	200		14.35	26-27	do	10	12		-		
12	AnaipattiPz N100526 E775120 58F/16-2B	Nilakottai	200	200	14	14.65	14-15	Gr.Gn fra	4.5	4.8		0.2		
13	Vattalagundu PZ N101024 E774441 58F/16-2A	Vattal gundu	200	200	14	15.35	21.7-23 33.7-36.7 120.75-123 168-171	Charnockite Fra	16.	12.6		0.5		
14	Viruveedu PZ N100433 E774700	Vattala gundu	200	200	4.5	6.0	181.7-182 186.7-189	C.kite fr	20	4.8		0.1		

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl. No.	Location & Coordinates	Block	Depth Drilled (m)	Depth Of Well (m)	Thick Ness Of weat	Casing Lowered (mm) With Dia(m)	FracureEnc ountered	Aquifer	SWL mbgl	Q lpm	D/D m	T m <sup>2</sup> /d ay	Quality EC & pH	Remarks
	58F/16-3A													
15	Narasingampatti EW N101824 E775801 58F/15	Dindigul	200	200	4.0	6.0	114-114.5 144-144.5	BGC	14	180	-			
16	DindigulPz N102336 E775754 58F/15  FSP 2013-14	Dindigul	200	200	6	8.0	127-128	BGC	8.4	1.2		0.2	Ec-1480 Ph-8.7	
17	Siranga Gaundanur 10 30 24 78 08 50 58 J/2-3C		200	200	6	6,15	24.75-25.00- <b>FWS&amp; Negligible</b> 120.75- 123.75- <b>0.08 lps</b>	Gneiss fractured	21.4 12/6/1 3	5 lpmlp m	12			
18	D.Sittapatti EW 10 42 52 78 09 55 58 J/2	Kadavur Karurdist	200	200	5.00	5.60	44-44.5 <b>FWS-0.75 lps</b> 141.75- 142.75- <b>0.60 lps</b> (discharge decreased) 200 <b>-0.5 lps</b>		19.70 9/7.13	30 lpm				
19	D.Sittapatti OW 10 42 52 78 09 55 58 J/2	do	54.75	54.75	5.00	5.50	23-23.15 <b>0.01 lps</b> 27.27.5 <b>1.18 lps</b>	do	More Than 50 mts	<b>71 Lpm 1.18 lps</b>				

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl. No.	Location & Coordinates	Block	Depth Drilled (m)	Depth Of Well (m)	Thick Ness Of weat	Casing Lowered (mm) With Dia(m)	FracureEnc ountered	Aquifer	SWL mbgl	Q lpm	D/D m	T m <sup>2</sup> /d ay	Quality EC & pH	Remarks
20	Karunkulam PZ	Gujlimparai	200	200	5.00	5.50	33-33.75-0.3 <b>lps</b> <b>162-163</b> <b>0.4 lps</b>	Hornblende Biotite Gneiss	30.07 18/7/1 3	26.46 lpm				
21	Nagayyakottai EW 10 32 55 78 03 15 58 J/2 -3A	do	200	200	5.50	6.00	84.75 85.75 <b>2.90 lps</b> <b>94.60-</b> <b>95-</b> <b>4.92</b> <b>lps</b>	Granitic Gneiss Fractured	8.45 31.7.1 3	186 lpm		4.97 M2/d ay		
22	Nagayyakottai OW 10 32 55 78 03 15 58 J/2 -3A	do	200	200	14.70	15.30	110-111 <b>0.73 lps</b> <b>117-117.50</b> <b>1.48 lps</b>	do	23.25	88.80				
23	Velvarkottai PZ 10 24 42 78 03 56 58 J/3 2A	Vadamadurai/ Dindiguldist	200	200	16.50	17.10	90.75-91.00 FWS Neg	Gneiss Hard massive	16.20 27/8/1 3	Neg				
24	Silvattur PZ 10 21 00 78 05 17 58 J/3	Dindigul/ Dindigul	200	200	17.40	18.00	102-103 <b>0.5 lps</b>	do	48.65 25/10/ 13	<b>30</b> <b>Lpm</b> <b>0.5</b> <b>lps</b>				
25	Avilipatti EW 10 17 01 78 05 52 58 J/3 3 B	Sanarpatti/ Dindigul	119.75	119.75	29.50	30.10	110-111 - <b>0.2</b> <b>lps</b> 113-113.75 <b>0.75 lps</b>	Hornblende Biotite Gneiss	93.00 31.10. 13	45 lpm lpm			Airloss At 119.75 Mts Further drilling NP	
26	Avilipatti OW 10 17 01 78 05 52 58 J/3 3 B	do	108.75	108.75	23.40	24.00	<b>99.75-100</b> <b>0.75 lps</b>	do	86.18 25.10. 13	45 lpm			Airloss At 108.75 Mts Further drilling NP	

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

Sl. No.	Location & Coordinates	Block	Depth Drilled (m)	Depth Of Well (m)	Thick Ness Of weat	Casing Lowered (mm) With Dia(m)	FracureEnc ountered	Aquifer	SWL mbgl	Q lpm	D/D m	T m <sup>2</sup> /d ay	Quality EC & pH	Remarks
27	Manakattur EW 10 28 02 78 01 47 58 J/3	Natham Dindiguldist	129.75	129.75	17.75	18.26	<b>17-18 0.75 lps 67-68 3.28 lps 108-108 50 5.41 lps</b>	Granitic Gneiss Highly fra Ctured	5.10 13/11/ 13	356 Lpm D/D 9.90 SWL 4.80			Further drilling not possible Due to Hifh water pressure	
28	Manakattur OW 10 28 02 78 01 47 58 J/3	do	185.75	185.75	11.40	12	<b>10-11 0.2 lps 21-22 0.75 lps 45-46 4.26 lps 138.75- 141.75 6.73 lps</b>	Do	5.10	330 Lpm DD 5.99 SW1 5.20  II 408 Lpm D/D 5.92 SWL 5.10			do	
29	S.Pudhupatty EW 10 32 50 78 07 27 58 J/3-3 B	Vadamadurai	200	200		9.10	<b>24-0.08 41.25-0.21 96-98-0.43 180-181- 0.75lps</b>	Charnockite		15.94	2	14.01		
30	S.Pudhupatty OW 10 32 50 78 07 27 58 J/3-3 B	Do	200	200		11	<b>15.75-FWS 21-21.75 0.75 lps 39-39.75- 1.75 lps</b>	Charnockite		18.39				
31	Kadavur PZ 10 35 37 78 11 20 58 J/2-2c	Kadavur	200	200	8.50	8.5	<b>60-61 0.08 lps</b>	Gneiss		25.37				
32	Vadamadurai 10 26 34	Vadamadurai	200	200		12		Gneiss						

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>Sl. No.</b>	<b>Location &amp; Coordinates</b>	<b>Block</b>	<b>Depth Drilled (m)</b>	<b>Depth Of Well (m)</b>	<b>Thick Ness Of weat</b>	<b>Casing Lowered (mm) With Dia(m)</b>	<b>FracureEnc ountered</b>	<b>Aquifer</b>	<b>SWL mbgl</b>	<b>Q lpm</b>	<b>D/D m</b>	<b>T m<sup>2</sup>/d ay</b>	<b>Quality EC &amp; pH</b>	<b>Remarks</b>
	78 09 27													
33	Kulathur 10 26 18 78 00 45 58J/3-1A	do	200	200		12	54-55-0.08 92-93-0.21	Gneiss		69.7				





**Annexure – IV**

**Tentative Location of Artificial recharge structures proposed in Amaravathi Aquifer System**

S. No.	Type	Longitude	Latitude	Village	District	Block	Firka	Category
1	Checkdam	77.387	10.975	Madappur	Tiruppur	Pongalur	Pongalur	Over Exploited
2	Checkdam	77.453	10.991	Nachipalayam	Tiruppur	Pongalur	Avinashipalayam(S)	Over Exploited
3	Checkdam	77.496	11.057	Kathanganni	Tiruppur	Kangeyam	Kangeyam	Over Exploited
4	Checkdam	77.587	11.061	Kathanganni	Tiruppur	Kangeyam	Kangeyam	Over Exploited
5	Checkdam	77.684	11.016	Mangalapatti	Tiruppur	Vellakoil	Vellakoil	Critical
6	Checkdam	77.749	11.031	Mangalapatti	Tiruppur	Vellakoil	Vellakoil	Critical
7	Checkdam	77.457	11.068	Nachipalayam	Tiruppur	Pongalur	Avinashipalayam(S)	Over Exploited
8	Checkdam	77.414	10.883	Tothiampatti	Tiruppur	Kundadam	Kundadam	Over Exploited
9	Checkdam	77.398	11.067	Mudalipalayam	Tiruppur	Tiruppur	Tiruppur (S)	Over Exploited
10	Checkdam	77.347	11.070	Mudalipalayam	Tiruppur	Tiruppur	Tiruppur (S)	Over Exploited
11	Checkdam	77.322	11.012	Karaipudur	Tiruppur	Palladam	Palladam	Over Exploited
12	Checkdam	77.492	10.877	Pongathurai	Tiruppur	Kundadam	Sankarandampalayam	Over Exploited
13	Checkdam	77.539	10.956	Kathanganni	Tiruppur	Kangeyam	Kangeyam	Over Exploited
14	Checkdam	77.385	10.855	Tothiampatti	Tiruppur	Kundadam	Kundadam	Over Exploited
15	Checkdam	77.669	10.875	Mangalapatti	Tiruppur	Vellakoil	Vellakoil	Critical
16	Checkdam	77.427	10.934	Nachipalayam	Tiruppur	Pongalur	Avinashipalayam(S)	Over Exploited
17	Checkdam	77.362	10.904	Madappur	Tiruppur	Pongalur	Pongalur	Over Exploited
18	Checkdam	77.301	10.879	Madappur	Tiruppur	Pongalur	Pongalur	Over Exploited
19	Checkdam	77.446	10.788	Tothiampatti	Tiruppur	Kundadam	Kundadam	Over Exploited
20	Checkdam	77.349	10.813	Sadayapalayam	Tiruppur	Kundadam		
21	Checkdam	77.182	10.797	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
22	Checkdam	77.464	10.718	Munduelampatti	Tiruppur	Dharapuram	Ponnapuram	Over Exploited
23	Checkdam	77.331	10.725	Munduelampatti	Tiruppur	Dharapuram	Ponnapuram	Over Exploited
24	Checkdam	77.277	10.795	Sadayapalayam	Tiruppur	Kundadam		
25	Checkdam	77.200	10.694	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
26	Checkdam	77.226	10.647	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
27	Checkdam	77.402	10.639	Dalavoipattinam	Tiruppur	Dharapuram	Alangiyam	Semi Critical
28	Checkdam	77.339	10.637	Metraathi	Tiruppur	Madathukulam	Madathukulam	Semi Critical
29	Checkdam	77.245	10.613	Udumalaipeetai	Tiruppur		Udumalpet	Semi Critical
30	Checkdam	77.271	10.578	Udumalaipeetai	Tiruppur		Udumalpet	Semi Critical
31	Checkdam	77.346	10.576	Metraathi	Tiruppur	Madathukulam	Madathukulam	Semi Critical
32	Checkdam	77.333	10.520	Metraathi	Tiruppur	Madathukulam	Madathukulam	Semi Critical
33	Checkdam	77.268	10.546	Udumalaipeetai	Tiruppur		Udumalpet	Semi Critical
34	Checkdam	77.237	10.521	Kuralkuttai	Tiruppur	Udumalaipeetai	Kurichikottai	Safe
35	Checkdam	77.209	10.508	Kuralkuttai	Tiruppur	Udumalaipeetai	Kurichikottai	Safe
36	Checkdam	77.305	10.488	Kuralkuttai	Tiruppur	Udumalaipeetai	Kurichikottai	Safe
37	Checkdam	77.203	10.555	Udumalaipeetai	Tiruppur		Udumalpet	Semi Critical
38	Checkdam	77.170	10.631	Seelakkampatti	Coimbatore	Pollachi South	Kolarpatti	Over Exploited
39	Checkdam	77.153	11.003	Appanaickenpatti	Coimbatore	Sultanpet	Selakkarchal	Over Exploited
40	Checkdam	76.736	10.947	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	Alandurai	Semi Critical
41	Checkdam	76.841	10.938	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	Alandurai	Semi Critical
42	Checkdam	76.899	10.942	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	Alandurai	Semi Critical
43	Checkdam	76.732	10.995	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	Alandurai	Semi Critical
44	Checkdam	76.897	11.038	Bodugampatti (block I)	Coimbatore	Thondamuthur	Thondamuthur	Over Exploited
45	Checkdam	77.498	10.501	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
46	Checkdam	77.503	10.609	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
47	Checkdam	77.604	10.712	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
48	Checkdam	77.598	10.635	Koothampoodi	Dindigul	Thoppampatti	Kallimanthayam	Over Exploited
49	Checkdam	77.618	10.516	Porulur	Dindigul	Thoppampatti	Devathur	Over Exploited
50	Checkdam	77.355	10.466	Mettrathi	Tiruppur	Madathukulam	Madathukulam	Semi Critical
51	Checkdam	77.581	10.464	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
52	Checkdam	77.757	10.527	Thangachiammapatti	Dindigul	Oddanchatram	Oddanchatram	Over Exploited
53	Checkdam	77.707	10.807	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
54	Checkdam	77.723	10.668	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
55	Checkdam	77.831	10.663	Santhapadi	Karur	Aravakurichi	Pallapatti(K)	Over Exploited
56	Checkdam	77.923	10.576	Kalvarpatti	Dindigul	Vedasandur	Vedasandur	Over Exploited
57	Checkdam	77.855	10.399	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
58	Checkdam	78.118	10.462	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
59	Checkdam	78.030	10.551	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
60	Checkdam	78.007	10.708	Santhapadi	Karur	Aravakurichi	Pallapatti(K)	Over Exploited
61	Checkdam	77.885	10.304	Virakkal	Dindigul	Attur	Athoor	Semi Critical
62	Checkdam	78.075	10.338	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
63	Checkdam	77.942	10.490	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
64	Checkdam	78.155	10.347	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
65	Checkdam	77.934	10.669	Santhapadi	Karur	Aravakurichi	Pallapatti(K)	Over Exploited
66	Checkdam	77.065	11.059	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
67	Checkdam	77.256	11.194	Kaniampundi	Tiruppur	Avanashi	Avinashi(E)	Over Exploited
68	Checkdam	77.028	11.136	Vellamadai	Coimbatore	Sarcarsamakulam	Sarkar Samakulam	Semi Critical
69	Checkdam	77.146	11.231	Pogalur	Coimbatore	Annur	Annur(N)	Over Exploited
70	Checkdam	77.370	11.197	Sokkanur	Tiruppur	Tiruppur	Perumanallur	Over Exploited
71	Checkdam	77.436	11.248	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
72	Checkdam	77.155	11.142	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
73	Checkdam	77.527	11.173	Voipadi	Erode	Chennimalai	Chennimalai	Over Exploited
74	Checkdam	77.215	11.208	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
75	Checkdam	77.157	11.168	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
76	Checkdam	77.112	11.149	Vadavalli	Coimbatore	Annur	Annur(S)	Semi Critical
77	Checkdam	77.258	11.233	Kaniampundi	Tiruppur	Avanashi	Avinashi(E)	Over Exploited
78	Checkdam	77.263	11.211	Kaniampundi	Tiruppur	Avanashi	Avinashi(E)	Over Exploited
79	Checkdam	77.180	11.220	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
80	Checkdam	77.183	11.103	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
81	Checkdam	77.117	11.119	Vadavalli	Coimbatore	Annur	Annur(S)	Semi Critical
82	Checkdam	77.217	11.137	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
83	Checkdam	77.281	11.164	Kaniampundi	Tiruppur	Avanashi	Avinashi(E)	Over Exploited
84	Checkdam	77.129	11.053	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
85	Checkdam	77.440	11.188	Punjaithalavaipalayam	Tiruppur	Uthukuli	Uthukuli	Over Exploited
86	Checkdam	77.384	11.260	Sokkanur	Tiruppur	Tiruppur	Perumanallur	Over Exploited
87	Checkdam	78.081	10.969	Karur	Karur		Karur	Semi Critical
88	Checkdam	76.713	10.950	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	Alandurai	Semi Critical
89	Checkdam	76.782	10.986	Bodugampatti (block I)	Coimbatore	Thondamuthur	Thondamuthur	Over Exploited
90	Checkdam	76.763	10.979	Bodugampatti (block I)	Coimbatore	Thondamuthur	Thondamuthur	Over Exploited
91	Checkdam	76.800	10.989	Bodugampatti (block I)	Coimbatore	Thondamuthur	Thondamuthur	Over Exploited
92	Checkdam	76.872	11.032	Bodugampatti (block I)	Coimbatore	Thondamuthur	Thondamuthur	Over Exploited
93	Checkdam	76.864	11.075	Chinnathadagam	Coimbatore	Periyanaickenpalayam	Thudialur	Over Exploited
94	Checkdam	77.003	11.111	Vellamadai	Coimbatore	Sarcarsamakulam	Sarkar Samakulam	Semi Critical

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
95	Checkdam	77.179	11.029	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
96	Checkdam	76.772	10.941	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	Alandurai	Semi Critical
97	Checkdam	77.311	11.172	Kaniampundi	Tiruppur	Avanashi	Avinashi(E)	Over Exploited
98	Checkdam	76.715	10.956	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	Alandurai	Semi Critical
99	Checkdam	76.757	10.939	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	Alandurai	Semi Critical
100	Checkdam	76.751	10.945	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	Alandurai	Semi Critical
101	Checkdam	76.774	10.961	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	Alandurai	Semi Critical
102	Checkdam	76.800	11.014	Bodugampatti (block I)	Coimbatore	Thondamuthur	Thondamuthur	Over Exploited
103	Checkdam	76.835	10.999	Bodugampatti (block I)	Coimbatore	Thondamuthur	Thondamuthur	Over Exploited
104	Checkdam	76.877	10.981	Bodugampatti (block I)	Coimbatore	Thondamuthur	Thondamuthur	Over Exploited
105	Checkdam	76.878	10.968	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	Alandurai	Semi Critical
106	Checkdam	76.811	10.959	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	Alandurai	Semi Critical
107	Checkdam	76.887	10.968	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	Alandurai	Semi Critical
108	Checkdam	76.889	11.067	Chinnathadagam	Coimbatore	Periyanaickenpalay am	Thudialur	Over Exploited
109	Checkdam	76.901	11.076	Chinnathadagam	Coimbatore	Periyanaickenpalay am	Thudialur	Over Exploited
110	Checkdam	76.931	11.090	Bilichi	Coimbatore	Periyanaickenpalay am	Perianaickenpalayam	Over Exploited
111	Checkdam	76.973	11.114	Vellamadai	Coimbatore	Sarcarsamakulam	Sarkar Samakulam	Semi Critical
112	Checkdam	76.918	11.059	Chinnathadagam	Coimbatore	Periyanaickenpalay am	Thudialur	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
113	Checkdam	76.956	11.029	Coimbatore	Coimbatore		Coimbatore South	Over Exploited
114	Checkdam	77.324	11.243	Kaniampundi	Tiruppur	Avanashi	Avinashi(E)	Over Exploited
115	Checkdam	77.341	11.213	Sokkanur	Tiruppur	Tiruppur	Perumanallur	Over Exploited
116	Checkdam	77.406	11.184	Punjaithalavaipalaya yam	Tiruppur	Uthukuli	Uthukuli	Over Exploited
117	Checkdam	77.334	11.351	Santhipalayam	Erode	Nambiyur	Nambiyur	Over Exploited
118	Checkdam	77.340	11.323	Santhipalayam	Erode	Nambiyur	Nambiyur	Over Exploited
119	Checkdam	77.454	11.231	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
120	Checkdam	77.347	11.378	Santhipalayam	Erode	Nambiyur	Nambiyur	Over Exploited
121	Checkdam	76.999	11.018	Coimbatore	Coimbatore		Coimbatore South	Over Exploited
122	Checkdam	77.014	11.006	Coimbatore	Coimbatore		Coimbatore South	Over Exploited
123	Checkdam	77.060	11.037	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
124	Checkdam	77.020	11.070	Vellanaipatti	Coimbatore	Sarcarsamakulam	Saravanampatti	Semi Critical
125	Checkdam	77.292	10.993	Karaipudur	Tiruppur	Palladam	Palladam	Over Exploited
126	Checkdam	77.305	11.043	Karaipudur	Tiruppur	Palladam	Palladam	Over Exploited
127	Checkdam	77.330	11.053	Karaipudur	Tiruppur	Palladam	Palladam	Over Exploited
128	Checkdam	77.303	11.089	Mudalipalayam	Tiruppur	Tiruppur	Tiruppur (S)	Over Exploited
129	Checkdam	77.242	11.068	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
130	Checkdam	77.166	11.063	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
131	Checkdam	77.294	11.108	Mudalipalayam	Tiruppur	Tiruppur	Tiruppur (S)	Over Exploited
132	Checkdam	77.396	11.119	Mudalipalayam	Tiruppur	Tiruppur	Tiruppur (S)	Over Exploited
133	Checkdam	77.540	11.107	Voipadi	Erode	Chennimalai	Chennimalai	Over Exploited
134	Checkdam	77.585	11.121	Voipadi	Erode	Chennimalai	Chennimalai	Over Exploited
135	Checkdam	77.693	11.095	Marudurai	Tiruppur	Kangeyam	Nathakadaiyur	Semi Critical
136	Checkdam	77.812	11.068	Anjur	Karur	K.Paramathy	Thennilai	Over Exploited
137	Checkdam	77.923	11.048	Nanjaipugalur	Karur	Karur	Pugalur	Over Exploited
138	Checkdam	77.512	10.771	Thoppampatti	Tiruppur	Dharapuram	Dharapuram	Semi Critical

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
139	Checkdam	77.472	10.545	Kottathurai	Dindigul	Thoppampatti	Korikadavu	Semi Critical
140	Checkdam	77.513	10.679	Dalavoipattinam	Tiruppur	Dharapuram	Alangiyam	Semi Critical
141	Checkdam	77.462	10.643	Kottathurai	Dindigul	Thoppampatti	Korikadavu	Semi Critical
142	Checkdam	77.489	10.931	Vadasinnaripalaya m	Tiruppur	Kundadam	Uthiyur	Over Exploited
143	Checkdam	77.796	10.865	Senapathipalayam	Tiruppur	Vellakoil	Kannivadi	Over Exploited
144	Checkdam	78.075	10.409	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
145	Checkdam	78.015	10.397	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
146	Checkdam	77.985	10.485	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
147	Checkdam	77.949	10.476	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
148	Checkdam	77.973	10.665	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
149	Checkdam	77.874	10.816	Kondanthur	Karur	K.Paramathy	Chinnadharapuram	Safe
150	Checkdam	77.920	10.818	Kondanthur	Karur	K.Paramathy	Chinnadharapuram	Safe
151	Checkdam	77.979	10.878	Aravakurichi	Karur		Aravakurichi	Safe
152	Checkdam	77.478	10.423	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
153	Checkdam	77.491	10.481	Kalickkanaickemp atti	Dindigul	Palani	Palani	Safe
154	Checkdam	78.100	10.298	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
155	Checkdam	78.064	10.294	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
156	Checkdam	77.950	10.317	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
157	Checkdam	78.138	10.302	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
158	Checkdam	78.095	10.377	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
159	Checkdam	77.981	10.569	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
160	Checkdam	77.985	10.621	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
161	Checkdam	77.929	10.602	Kalvarpatti	Dindigul	Vedasandur	Vedasandur	Over Exploited
162	Checkdam	77.892	10.535	Kalvarpatti	Dindigul	Vedasandur	Vedasandur	Over Exploited
163	Checkdam	77.927	10.528	Kalvarpatti	Dindigul	Vedasandur	Vedasandur	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
164	Checkdam	77.948	10.555	Kalvarpatti	Dindigul	Vedasandur	Vedasandur	Over Exploited
165	Checkdam	77.815	10.422	Nilamalakottai	Dindigul	Reddiyarchattiram	Palakkanoothu	Over Exploited
166	Checkdam	77.858	10.376	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
167	Checkdam	78.143	10.939	Vellianai(south)	Karur	Thanthoni	Velliyanai	Over Exploited
168	Checkdam	78.028	10.917	Andankoil(west)	Karur	Thanthoni	Thalapatti	Semi Critical
169	Checkdam	78.093	10.877	Kakkavadi	Karur	Thanthoni	Thoranakalpatti	Over Exploited
170	Checkdam	78.025	10.775	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
171	Checkdam	77.951	11.043	Nanjaipugalur	Karur	Karur	Pugalur	Over Exploited
172	Checkdam	78.031	11.035	Nanjaipugalur	Karur	Karur	Pugalur	Over Exploited
173	Checkdam	78.024	11.062	Nanjaipugalur	Karur	Karur	Pugalur	Over Exploited
174	Checkdam	77.196	10.789	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
175	Nalabund	77.175	10.526	Kuralkuttai	Tiruppur	Udumalaipettai	Kurichikottai	Safe
176	Nalabund	77.182	10.533	Periappanuthur	Tiruppur	Udumalaipettai	Periavalavadi	Over Exploited
177	Nalabund	77.181	10.590	Udumalaiappettai	Tiruppur		Udumalpet	Semi Critical
178	Nalabund	77.191	10.587	Udumalaiappettai	Tiruppur		Udumalpet	Semi Critical
179	Nalabund	77.208	10.578	Udumalaiappettai	Tiruppur		Udumalpet	Semi Critical
180	Nalabund	77.212	10.582	Udumalaiappettai	Tiruppur		Udumalpet	Semi Critical
181	Nalabund	77.204	10.574	Udumalaiappettai	Tiruppur		Udumalpet	Semi Critical
182	Nalabund	77.218	10.485	Kuralkuttai	Tiruppur	Udumalaiappettai	Kurichikottai	Safe
183	Nalabund	77.225	10.482	Kuralkuttai	Tiruppur	Udumalaiappettai	Kurichikottai	Safe
184	Nalabund	77.225	10.467	Kuralkuttai	Tiruppur	Udumalaiappettai	Kurichikottai	Safe
185	Nalabund	77.229	10.462	Kuralkuttai	Tiruppur	Udumalaiappettai	Kurichikottai	Safe
186	Nalabund	77.203	10.615	Udumalaiappettai	Tiruppur		Udumalpet	Semi Critical
187	Nalabund	77.210	10.619	Udumalaiappettai	Tiruppur		Udumalpet	Semi Critical
188	Nalabund	77.197	10.602	Udumalaiappettai	Tiruppur		Udumalpet	Semi Critical
189	Nalabund	77.235	10.611	Udumalaiappettai	Tiruppur		Udumalpet	Semi Critical



**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
190	Nalabund	77.202	10.601	Udumalaipettai	Tiruppur		Udumalpet	Semi Critical
191	Nalabund	77.178	10.635	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
192	Nalabund	77.178	10.653	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
193	Nalabund	77.169	10.704	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
194	Nalabund	77.173	10.707	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
195	Nalabund	77.165	10.897	Varapatti	Coimbatore	Sultanpet	Varapatti	Over Exploited
196	Nalabund	77.148	10.955	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
197	Nalabund	77.158	10.956	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
198	Nalabund	76.889	11.007	Vedappatti	Coimbatore		PERUR	Over Exploited
199	Nalabund	76.917	11.034	Chinnathadagam	Coimbatore	Periyanaickenpalayam	THUDIALUR	Over Exploited
200	Nalabund	76.979	11.039	Coimbatore	Coimbatore		GANAPATHI	Over Exploited
201	Nalabund	76.965	11.101	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
202	Nalabund	77.051	11.111	Vellamadai	Coimbatore	Sarcarsamakulam	SARKAR SAMAKULAM	Semi Critical
203	Nalabund	77.168	11.187	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
204	Nalabund	77.183	11.173	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
205	Nalabund	77.210	11.220	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
206	Nalabund	77.249	11.202	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
207	Nalabund	77.221	11.219	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
208	Nalabund	77.295	11.242	Kuttagam	Tiruppur	Avanashi	Cheyur	Over Exploited
209	Nalabund	77.295	11.236	Kaniampundi	Tiruppur	Avanashi	Avinashi(E)	Over Exploited
210	Nalabund	77.282	11.259	Kuttagam	Tiruppur	Avanashi	Cheyur	Over Exploited
211	Nalabund	77.256	11.251	Kuttagam	Tiruppur	Avanashi	Cheyur	Over Exploited
212	Nalabund	77.345	11.238	Sokkanur	Tiruppur	Tiruppur	Perumanallur	Over Exploited
213	Nalabund	77.347	11.267	Sokkanur	Tiruppur	Tiruppur	Perumanallur	Over Exploited
214	Nalabund	77.381	11.267	Sokkanur	Tiruppur	Tiruppur	Perumanallur	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
215	Nalabund	77.420	11.264	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
216	Nalabund	77.339	11.275	Santhipalayam	Erode	Nambiyur	Nambiyur	Over Exploited
217	Nalabund	77.372	11.353	Santhipalayam	Erode	Nambiyur	Nambiyur	Over Exploited
218	Nalabund	77.397	11.299	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
219	Nalabund	77.388	11.313	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
220	Nalabund	77.362	11.360	Santhipalayam	Erode	Nambiyur	Nambiyur	Over Exploited
221	Nalabund	77.355	11.323	Santhipalayam	Erode	Nambiyur	Nambiyur	Over Exploited
222	Nalabund	77.495	11.209	Punjaitthalavaipala yam	Tiruppur	Uthukuli	Uthukuli	Over Exploited
223	Nalabund	77.601	11.139	Voipadi	Erode	Chennimalai	Chennimalai	Over Exploited
224	Nalabund	77.596	11.133	Voipadi	Erode	Chennimalai	Chennimalai	Over Exploited
225	Nalabund	77.582	11.139	Voipadi	Erode	Chennimalai	Chennimalai	Over Exploited
226	Nalabund	77.560	11.142	Voipadi	Erode	Chennimalai	Chennimalai	Over Exploited
227	Nalabund	77.631	11.137	Voipadi	Erode	Chennimalai	Chennimalai	Over Exploited
228	Nalabund	77.616	11.131	Voipadi	Erode	Chennimalai	Chennimalai	Over Exploited
229	Nalabund	77.803	11.087	Kondalam	Erode	Kodumudi	Sivagiri(E)	Semi Critical
230	Nalabund	77.790	11.079	Kondalam	Erode	Kodumudi	Sivagiri(E)	Semi Critical
231	Nalabund	77.729	11.019	Mangalapatti	Tiruppur	Vellakoil	Vellakoil	Critical
232	Nalabund	78.019	10.874	Andankoil(west)	Karur	Thanthoni	Thalapatti	Semi Critical
233	Nalabund	77.593	10.397	Vadagouchi	Dindigul	Kodaikanal	Pannaikadu	Safe
234	Nalabund	77.591	10.419	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
235	Nalabund	77.579	10.410	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
236	Nalabund	77.513	10.401	Kalickkanaickep atti	Dindigul	Palani	Palani	Safe
237	Nalabund	77.522	10.417	Kalickkanaickep atti	Dindigul	Palani	Palani	Safe
238	Nalabund	77.580	10.430	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
239	Nalabund	77.633	10.439	Thangachiammap	Dindigul	Oddanchatram	Oddanchathram	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
				atti				
240	Nalabund	77.595	10.517	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
241	Nalabund	77.569	10.527	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
242	Nalabund	77.608	10.560	Porulur	Dindigul	Thoppampatti	Devathur	Over Exploited
243	Nalabund	77.602	10.550	Porulur	Dindigul	Thoppampatti	Devathur	Over Exploited
244	Nalabund	77.593	10.573	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
245	Nalabund	77.578	10.597	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
246	Nalabund	77.572	10.582	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
247	Nalabund	77.541	10.669	Dalavoipattinam	Tiruppur	Dharapuram	Alangiyam	Semi Critical
248	Nalabund	77.547	10.669	Dalavoipattinam	Tiruppur	Dharapuram	Alangiyam	Semi Critical
249	Nalabund	77.514	10.665	Dalavoipattinam	Tiruppur	Dharapuram	Alangiyam	Semi Critical
250	Nalabund	77.515	10.670	Dalavoipattinam	Tiruppur	Dharapuram	Alangiyam	Semi Critical
251	Nalabund	77.809	10.400	Nilamalakottai	Dindigul	Reddiyarchattiram	Palakkanoothu	Over Exploited
252	Nalabund	77.817	10.392	Nilamalakottai	Dindigul	Reddiyarchattiram	Palakkanoothu	Over Exploited
253	Nalabund	77.843	10.366	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
254	Nalabund	77.844	10.372	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
255	Nalabund	77.870	10.290	Sengattampatti R.f.	Dindigul	Batlagundu	Nilakottai	Over Exploited
256	Nalabund	77.862	10.302	Virakkal	Dindigul	Attur	Athoor	Semi Critical
257	Nalabund	77.958	10.267	Dindigul	Dindigul		RF	
258	Nalabund	77.962	10.269	Dindigul	Dindigul		RF	
259	Nalabund	77.966	10.272	Dindigul	Dindigul		RF	
260	Nalabund	77.966	10.286	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
261	Nalabund	77.968	10.290	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
262	Nalabund	77.975	10.297	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
263	Nalabund	77.988	10.302	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
264	Nalabund	78.003	10.305	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
265	Nalabund	78.025	10.296	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
266	Nalabund	78.005	10.290	Dindigul	Dindigul		RF	
267	Nalabund	78.037	10.265	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
268	Nalabund	78.117	10.167	Sirumalai R.f.	Madurai	Alanganallur	PALAMEDU	Over Exploited
269	Nalabund	78.105	10.166	Sirumalai R.f.	Madurai	Alanganallur	PALAMEDU	Over Exploited
270	Nalabund	78.103	10.162	Sirumalai R.f.	Madurai	Alanganallur	PALAMEDU	Over Exploited
271	Nalabund	78.151	10.460	Komberipatti	Dindigul	Vadamadurai	Ayyalur	Semi Critical
272	Nalabund	78.140	10.454	Komberipatti	Dindigul	Vadamadurai	Ayyalur	Semi Critical
273	Nalabund	78.091	10.583	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
274	Nalabund	78.087	10.578	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
275	Nalabund	78.077	10.596	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
276	Nalabund	78.015	10.563	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
277	Nalabund	78.017	10.563	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
278	Nalabund	78.007	10.564	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
279	Nalabund	78.128	10.924	Vellianai(south)	Karur	Thanthoni	Velliyanai	Over Exploited
280	Nalabund	78.132	10.939	Vellianai(south)	Karur	Thanthoni	Velliyanai	Over Exploited
281	Nalabund	78.087	10.993	Karur	Karur		Karur	Semi Critical
282	Nalabund	78.056	10.990	Nanniyur	Karur	Karur	Vangal	Over Exploited
283	Nalabund	78.012	10.977	Andankoil(west)	Karur	Thanthoni	Thalapatti	Semi Critical
284	Nalabund	77.563	10.888	Vadasinnaripalaya m	Tiruppur	Kundadam	Uthiyur	Over Exploited
285	Nalabund	77.483	10.883	Pongathurai	Tiruppur	Kundadam	Sankarandampalayam	Over Exploited
286	Nalabund	77.411	10.867	Tothiampatti	Tiruppur	Kundadam	Kundadam	Over Exploited
287	Nalabund	77.269	10.644	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
288	Nalabund	77.271	10.649	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
289	Nalabund	77.238	10.646	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
290	Nalabund	77.242	10.629	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
291	Nalabund	77.275	10.624	Udumalaipettai	Tiruppur		Udumalpet	Semi Critical
292	Nalabund	77.289	10.659	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
293	Nalabund	77.318	10.653	Metrathi	Tiruppur	Madathukulam	Madathukulam	Semi Critical
294	Nalabund	77.271	10.689	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
295	Nalabund	77.247	10.663	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
296	Nalabund	77.254	10.809	Varapatti	Coimbatore	Sultanpet	Varapatti	Over Exploited
297	Nalabund	77.267	10.809	Varapatti	Coimbatore	Sultanpet	Varapatti	Over Exploited
298	Nalabund	77.237	10.799	Varapatti	Coimbatore	Sultanpet	Varapatti	Over Exploited
299	Nalabund	77.233	10.808	Varapatti	Coimbatore	Sultanpet	Varapatti	Over Exploited
300	Nalabund	77.224	10.817	Varapatti	Coimbatore	Sultanpet	Varapatti	Over Exploited
301	Nalabund	77.236	10.898	Varapatti	Coimbatore	Sultanpet	Varapatti	Over Exploited
302	Nalabund	77.226	10.895	Varapatti	Coimbatore	Sultanpet	Varapatti	Over Exploited
303	Nalabund	77.272	10.899	Madappur	Tiruppur	Pongalur	Pongalur	Over Exploited
304	Nalabund	77.265	10.907	Madappur	Tiruppur	Pongalur	Pongalur	Over Exploited
305	Nalabund	77.256	10.976	Karaipudur	Tiruppur	Palladam	Palladam	Over Exploited
306	Nalabund	77.297	10.978	Karaipudur	Tiruppur	Palladam	Palladam	Over Exploited
307	Nalabund	77.263	11.010	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
308	Nalabund	77.280	11.033	Karaipudur	Tiruppur	Palladam	Palladam	Over Exploited
309	Nalabund	77.293	11.040	Karaipudur	Tiruppur	Palladam	Palladam	Over Exploited
310	Nalabund	77.272	11.119	Kaniampundi	Tiruppur	Avanashi	Avinashi(E)	Over Exploited
311	Nalabund	77.258	11.127	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
312	Nalabund	77.264	11.166	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
313	Nalabund	77.348	11.255	Sokkanur	Tiruppur	Tiruppur	Perumanallur	Over Exploited
314	Nalabund	77.348	11.344	Santhipalayam	Erode	Nambiyur	Nambiyur	Over Exploited
315	Nalabund	77.786	10.587	M.athappampatti	Dindigul	Oddanchatram	Chinnakkampatti	Over Exploited
316	Nalabund	77.779	10.589	M.athappampatti	Dindigul	Oddanchatram	Chinnakkampatti	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
317	Nalabund	77.774	10.590	M.athappampatti	Dindigul	Oddanchatram	Chinnakkampatti	Over Exploited
318	Nalabund	77.766	10.590	M.athappampatti	Dindigul	Oddanchatram	Chinnakkampatti	Over Exploited
319	Nalabund	77.745	10.602	M.athappampatti	Dindigul	Oddanchatram	Chinnakkampatti	Over Exploited
320	Nalabund	77.742	10.601	M.athappampatti	Dindigul	Oddanchatram	Chinnakkampatti	Over Exploited
321	Nalabund	77.747	11.105	Kongudayampalayam	Erode	Kodumudi	Arachalur	Semi Critical
322	Nalabund	77.663	11.117	Voipadi	Erode	Chennimalai	Chennimalai	Over Exploited
323	Nalabund	77.608	10.941	Mangalapatti	Tiruppur	Vellakoil	Vellakoil	Critical
324	Nalabund	77.661	10.921	Mangalapatti	Tiruppur	Vellakoil	Vellakoil	Critical
325	Nalabund	77.743	10.912	Senapathipalayam	Tiruppur	Vellakoil	Kannivadi	Over Exploited
326	Nalabund	78.003	11.038	Nanjaipugalur	Karur	Karur	Pugalur	Over Exploited
327	Nalabund	78.065	10.973	Karur	Karur		Karur	Semi Critical
328	Nalabund	78.033	10.664	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
329	Nalabund	78.029	10.676	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
330	Nalabund	78.086	10.455	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
331	Nalabund	78.089	10.454	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
332	Nalabund	78.036	10.479	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
333	Nalabund	78.048	10.486	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
334	Nalabund	78.045	10.482	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
335	Nalabund	77.990	10.538	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
336	Nalabund	77.990	10.524	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
337	Nalabund	77.823	10.429	Nilamalakottai	Dindigul	Reddiyarchattiram	Palakkanoothu	Over Exploited
338	Nalabund	77.816	10.449	Nilamalakottai	Dindigul	Reddiyarchattiram	Palakkanoothu	Over Exploited
339	Nalabund	77.464	10.372	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
340	Nalabund	77.468	10.370	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
341	Nalabund	77.461	10.372	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
342	Nalabund	77.449	10.369	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
343	Nalabund	77.413	10.386	Ayyampalayam	Dindigul	Palani	Pappampatti	Semi Critical
344	Nalabund	77.413	10.389	Ayyampalayam	Dindigul	Palani	Pappampatti	Semi Critical
345	Nalabund	77.403	10.398	Kavadikoottam R.f.	Dindigul	Palani	RF	
346	Nalabund	77.404	10.398	Kavadikoottam R.f.	Dindigul	Palani	RF	
347	Nalabund	77.405	10.398	Kavadikoottam R.f.	Dindigul	Palani	RF	
348	Nalabund	77.344	10.423	Ayyampalayam	Dindigul	Palani	Pappampatti	Semi Critical
349	Nalabund	77.316	10.423	Anamalai R.f.	Tiruppur	Udumalaipettai	RF	
350	Nalabund	77.361	10.404	Ayyampalayam	Dindigul	Palani	Pappampatti	Semi Critical
351	Nalabund	77.372	10.422	Ayyampalayam	Dindigul	Palani	Pappampatti	Semi Critical
352	Nalabund	77.709	10.726	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
353	Nalabund	77.731	10.713	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
354	Nalabund	77.709	10.800	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
355	Nalabund	77.710	10.897	Mangalapatti	Tiruppur	Vellakoil	Vellakoil	Critical
356	RR and RS	76.783	10.929	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical
357	RR and RS	76.798	10.936	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical
358	RR and RS	76.811	10.940	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical
359	RR and RS	76.821	10.935	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical
360	RR and RS	76.841	10.925	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical
361	RR and RS	76.838	10.941	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical
362	RR and RS	76.858	10.935	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical
363	RR and RS	76.846	10.950	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
364	RR and RS	76.869	10.927	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical
365	RR and RS	76.874	10.955	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical
366	RR and RS	76.791	10.979	Bodugampatti (block I)	Coimbatore	Thondamuthur	THONDAMUTHUR	Over Exploited
367	RR and RS	76.821	10.999	Bodugampatti (block I)	Coimbatore	Thondamuthur	THONDAMUTHUR	Over Exploited
368	RR and RS	76.830	10.999	Bodugampatti (block I)	Coimbatore	Thondamuthur	THONDAMUTHUR	Over Exploited
369	RR and RS	76.846	10.994	Bodugampatti (block I)	Coimbatore	Thondamuthur	THONDAMUTHUR	Over Exploited
370	RR and RS	76.840	11.010	Bodugampatti (block I)	Coimbatore	Thondamuthur	THONDAMUTHUR	Over Exploited
371	RR and RS	76.887	11.010	Chinnathadagam	Coimbatore	Periyanaickenpalay am	THUDIALUR	Over Exploited
372	RR and RS	76.921	11.021	Coimbatore	Coimbatore		COIMBATORE SOUTH	Over Exploited
373	RR and RS	76.926	11.029	Coimbatore	Coimbatore		COIMBATORE SOUTH	Over Exploited
374	RR and RS	76.903	11.056	Chinnathadagam	Coimbatore	Periyanaickenpalay am	THUDIALUR	Over Exploited
375	RR and RS	76.922	11.072	Chinnathadagam	Coimbatore	Periyanaickenpalay am	THUDIALUR	Over Exploited
376	RR and RS	76.952	11.076	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
377	RR and RS	76.957	11.070	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
378	RR and RS	76.976	11.111	Vellamadai	Coimbatore	Sarcarsamakulam	SARKAR SAMAKULAM	Semi Critical
379	RR and RS	77.003	11.107	Vellamadai	Coimbatore	Sarcarsamakulam	SARKAR SAMAKULAM	Semi Critical
380	RR and RS	77.005	11.108	Vellamadai	Coimbatore	Sarcarsamakulam	SARKAR SAMAKULAM	Semi Critical
381	RR and RS	77.028	11.089	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical



**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
382	RR and RS	77.034	11.095	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
383	RR and RS	77.049	11.086	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
384	RR and RS	77.057	11.099	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
385	RR and RS	77.068	11.096	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
386	RR and RS	77.082	11.100	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
387	RR and RS	77.065	11.087	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
388	RR and RS	77.054	11.065	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
389	RR and RS	77.023	11.066	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
390	RR and RS	77.002	11.076	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
391	RR and RS	77.003	11.066	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
392	RR and RS	76.990	11.080	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
393	RR and RS	77.056	11.107	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
394	RR and RS	77.074	11.114	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
395	RR and RS	77.079	11.122	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
396	RR and RS	77.085	11.131	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
397	RR and RS	77.037	11.158	Vellamadai	Coimbatore	Sarcarsamakulam	SARKAR SAMAKULAM	Semi Critical
398	RR and RS	77.035	11.162	Vellamadai	Coimbatore	Sarcarsamakulam	SARKAR SAMAKULAM	Semi Critical
399	RR and RS	77.023	11.143	Vellamadai	Coimbatore	Sarcarsamakulam	SARKAR SAMAKULAM	Semi Critical
400	RR and RS	77.033	11.137	Vellamadai	Coimbatore	Sarcarsamakulam	SARKAR SAMAKULAM	Semi Critical
401	RR and RS	77.050	11.130	Vellamadai	Coimbatore	Sarcarsamakulam	SARKAR SAMAKULAM	Semi Critical
402	RR and RS	77.043	11.156	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
403	RR and RS	77.050	11.153	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
404	RR and RS	77.052	11.164	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
405	RR and RS	77.068	11.174	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
406	RR and RS	77.051	11.184	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
407	RR and RS	77.065	11.195	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
408	RR and RS	77.089	11.195	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
409	RR and RS	77.102	11.197	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
410	RR and RS	77.100	11.193	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
411	RR and RS	77.095	11.195	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
412	RR and RS	77.098	11.164	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
413	RR and RS	77.099	11.160	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
414	RR and RS	77.096	11.220	Pogalur	Coimbatore	Annur	Annur(N)	Over Exploited
415	RR and RS	77.084	11.226	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
416	RR and RS	77.080	11.214	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
417	RR and RS	77.113	11.212	Pogalur	Coimbatore	Annur	Annur(N)	Over Exploited
418	RR and RS	77.105	11.207	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
419	RR and RS	77.129	11.198	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
420	RR and RS	77.124	11.192	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
421	RR and RS	77.116	11.190	Pogalur	Coimbatore	Annur	Annur(N)	Over Exploited
422	RR and RS	77.140	11.211	Pogalur	Coimbatore	Annur	Annur(N)	Over Exploited
423	RR and RS	77.198	11.214	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
424	RR and RS	77.206	11.199	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
425	RR and RS	77.196	11.189	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
426	RR and RS	77.233	11.204	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
427	RR and RS	77.231	11.185	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
428	RR and RS	77.215	11.186	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
429	RR and RS	77.234	11.164	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
430	RR and RS	77.245	11.167	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
431	RR and RS	77.247	11.158	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
432	RR and RS	77.177	11.227	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
433	RR and RS	77.193	11.211	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
434	RR and RS	77.273	11.261	Kuttagam	Tiruppur	Avanashi	Cheyur	Over Exploited
435	RR and RS	77.291	11.253	Kuttagam	Tiruppur	Avanashi	Cheyur	Over Exploited
436	RR and RS	77.316	11.228	Kaniampundi	Tiruppur	Avanashi	Avinashi(E)	Over Exploited
437	RR and RS	77.357	11.285	Sokkanur	Tiruppur	Tiruppur	Perumanallur	Over Exploited
438	RR and RS	77.342	11.305	Sokkanur	Tiruppur	Tiruppur	Perumanallur	Over Exploited
439	RR and RS	77.382	11.311	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
440	RR and RS	77.358	11.376	Santhipalayam	Erode	Nambiyur	Nambiyur	Over Exploited
441	RR and RS	77.356	11.363	Santhipalayam	Erode	Nambiyur	Nambiyur	Over Exploited
442	RR and RS	77.487	11.218	Punjaithalavaipala yam	Tiruppur	Uthukuli	Uthukuli	Over Exploited
443	RR and RS	77.489	11.213	Punjaithalavaipala yam	Tiruppur	Uthukuli	Uthukuli	Over Exploited
444	RR and RS	77.458	11.150	Punjaithalavaipala yam	Tiruppur	Uthukuli	Uthukuli	Over Exploited
445	RR and RS	77.478	11.134	Punjaithalavaipala yam	Tiruppur	Uthukuli	Uthukuli	Over Exploited
446	RR and RS	77.444	11.115	Mudalipalayam	Tiruppur	Tiruppur	Tiruppur (S)	Over Exploited
447	RR and RS	77.101	11.082	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
448	RR and RS	77.157	11.095	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
449	RR and RS	77.147	11.114	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
450	RR and RS	77.140	11.126	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
451	RR and RS	77.122	11.112	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
452	RR and RS	77.022	11.005	Coimbatore	Coimbatore		COIMBATORE SOUTH	Over Exploited
453	RR and RS	77.075	11.029	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
454	RR and RS	76.902	10.958	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
455	RR and RS	77.078	10.979	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
456	RR and RS	77.094	10.969	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
457	RR and RS	77.099	10.960	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
458	RR and RS	77.098	10.946	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
459	RR and RS	77.093	10.958	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
460	RR and RS	77.117	10.957	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
461	RR and RS	77.121	10.942	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
462	RR and RS	77.157	10.968	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
463	RR and RS	77.157	10.968	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
464	RR and RS	77.157	10.976	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
465	RR and RS	77.157	10.975	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
466	RR and RS	77.139	10.971	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
467	RR and RS	77.127	10.983	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
468	RR and RS	77.128	10.988	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
469	RR and RS	77.138	10.993	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
470	RR and RS	77.141	11.004	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
471	RR and RS	77.134	11.008	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
472	RR and RS	77.113	11.000	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
473	RR and RS	77.114	11.009	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
474	RR and RS	77.113	11.013	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
475	RR and RS	77.106	11.013	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
476	RR and RS	77.107	11.013	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
477	RR and RS	77.097	10.990	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
478	RR and RS	77.086	11.000	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
479	RR and RS	77.146	11.007	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
480	RR and RS	77.159	10.991	Paruvai	Tiruppur	Palladam	Karadivavi	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
481	RR and RS	77.160	10.997	Paruvoi	Tiruppur	Palladam	Karadivavi	Over Exploited
482	RR and RS	77.156	10.986	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
483	RR and RS	77.211	10.953	Paruvoi	Tiruppur	Palladam	Karadivavi	Over Exploited
484	RR and RS	77.178	10.968	Paruvoi	Tiruppur	Palladam	Karadivavi	Over Exploited
485	RR and RS	77.179	10.988	Paruvoi	Tiruppur	Palladam	Karadivavi	Over Exploited
486	RR and RS	77.175	11.006	Paruvoi	Tiruppur	Palladam	Karadivavi	Over Exploited
487	RR and RS	77.171	11.014	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
488	RR and RS	77.241	10.958	Paruvoi	Tiruppur	Palladam	Karadivavi	Over Exploited
489	RR and RS	77.176	11.049	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
490	RR and RS	77.166	11.030	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
491	RR and RS	77.160	11.043	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
492	RR and RS	77.210	11.012	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
493	RR and RS	77.210	11.024	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
494	RR and RS	77.185	10.995	Paruvoi	Tiruppur	Palladam	Karadivavi	Over Exploited
495	RR and RS	77.220	10.979	Paruvoi	Tiruppur	Palladam	Karadivavi	Over Exploited
496	RR and RS	77.224	10.984	Paruvoi	Tiruppur	Palladam	Karadivavi	Over Exploited
497	RR and RS	77.230	10.993	Paruvoi	Tiruppur	Palladam	Karadivavi	Over Exploited
498	RR and RS	77.233	11.004	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
499	RR and RS	77.238	11.003	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
500	RR and RS	77.230	11.015	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
501	RR and RS	77.224	11.024	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
502	RR and RS	77.248	10.980	Karaipudur	Tiruppur	Palladam	Palladam	Over Exploited
503	RR and RS	77.248	11.015	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
504	RR and RS	77.223	11.068	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
505	RR and RS	77.236	11.067	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
506	RR and RS	77.262	11.100	Mudalipalayam	Tiruppur	Tiruppur	Tiruppur (S)	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
507	RR and RS	77.264	11.099	Mudalipalayam	Tiruppur	Tiruppur	Tiruppur (S)	Over Exploited
508	RR and RS	77.243	11.120	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
509	RR and RS	77.231	11.121	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
510	RR and RS	77.211	11.114	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
511	RR and RS	77.205	11.131	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
512	RR and RS	77.207	11.130	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
513	RR and RS	77.256	11.143	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
514	RR and RS	77.329	11.135	Pongupalayam	Tiruppur	Tiruppur	Tiruppur (N)	Over Exploited
515	RR and RS	77.330	11.136	Pongupalayam	Tiruppur	Tiruppur	Tiruppur (N)	Over Exploited
516	RR and RS	77.340	11.144	Pongupalayam	Tiruppur	Tiruppur	Tiruppur (N)	Over Exploited
517	RR and RS	77.372	11.137	Pongupalayam	Tiruppur	Tiruppur	Tiruppur (N)	Over Exploited
518	RR and RS	77.373	11.137	Pongupalayam	Tiruppur	Tiruppur	Tiruppur (N)	Over Exploited
519	RR and RS	77.361	11.193	Pongupalayam	Tiruppur	Tiruppur	Tiruppur (N)	Over Exploited
520	RR and RS	77.350	11.234	Sokkanur	Tiruppur	Tiruppur	Perumanallur	Over Exploited
521	RR and RS	77.424	11.235	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
522	RR and RS	77.362	11.052	Karaipudur	Tiruppur	Palladam	Palladam	Over Exploited
523	RR and RS	77.363	11.055	Karaipudur	Tiruppur	Palladam	Palladam	Over Exploited
524	RR and RS	77.385	11.049	Mudalipalayam	Tiruppur	Tiruppur	Tiruppur (S)	Over Exploited
525	RR and RS	77.407	11.044	Nachipalayam	Tiruppur	Pongalur	Avinashipalayam(S)	Over Exploited
526	RR and RS	77.366	11.037	Karaipudur	Tiruppur	Palladam	Palladam	Over Exploited
527	RR and RS	77.374	11.024	Nachipalayam	Tiruppur	Pongalur	Avinashipalayam(S)	Over Exploited
528	RR and RS	77.359	11.034	Karaipudur	Tiruppur	Palladam	Palladam	Over Exploited
529	RR and RS	77.351	11.029	Nachipalayam	Tiruppur	Pongalur	Avinashipalayam(S)	Over Exploited
530	RR and RS	77.390	10.998	Nachipalayam	Tiruppur	Pongalur	Avinashipalayam(S)	Over Exploited
531	RR and RS	77.392	10.987	Nachipalayam	Tiruppur	Pongalur	Avinashipalayam(S)	Over Exploited
532	RR and RS	77.377	10.982	Madappur	Tiruppur	Pongalur	Pongalur	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
533	RR and RS	77.425	10.974	Nachipalayam	Tiruppur	Pongalur	Avinashipalayam(S)	Over Exploited
534	RR and RS	77.430	10.968	Nachipalayam	Tiruppur	Pongalur	Avinashipalayam(S)	Over Exploited
535	RR and RS	77.432	10.969	Nachipalayam	Tiruppur	Pongalur	Avinashipalayam(S)	Over Exploited
536	RR and RS	77.282	10.932	Karaipudur	Tiruppur	Palladam	Palladam	Over Exploited
537	RR and RS	77.262	10.909	Madappur	Tiruppur	Pongalur	Pongalur	Over Exploited
538	RR and RS	77.262	10.911	Madappur	Tiruppur	Pongalur	Pongalur	Over Exploited
539	RR and RS	77.262	10.918	Madappur	Tiruppur	Pongalur	Pongalur	Over Exploited
540	RR and RS	77.314	10.915	Madappur	Tiruppur	Pongalur	Pongalur	Over Exploited
541	RR and RS	77.306	10.919	Madappur	Tiruppur	Pongalur	Pongalur	Over Exploited
542	RR and RS	77.337	10.935	Madappur	Tiruppur	Pongalur	Pongalur	Over Exploited
543	RR and RS	77.312	10.937	Madappur	Tiruppur	Pongalur	Pongalur	Over Exploited
544	RR and RS	77.219	10.934	Paruvai	Tiruppur	Palladam	Karadivavi	Over Exploited
545	RR and RS	77.231	10.929	Paruvai	Tiruppur	Palladam	Karadivavi	Over Exploited
546	RR and RS	77.220	10.925	Paruvai	Tiruppur	Palladam	Karadivavi	Over Exploited
547	RR and RS	77.187	10.900	Varapatti	Coimbatore	Sultanpet	Varapatti	Over Exploited
548	RR and RS	77.195	10.875	Varapatti	Coimbatore	Sultanpet	Varapatti	Over Exploited
549	RR and RS	77.200	10.870	Varapatti	Coimbatore	Sultanpet	Varapatti	Over Exploited
550	RR and RS	77.223	10.892	Varapatti	Coimbatore	Sultanpet	Varapatti	Over Exploited
551	RR and RS	77.166	10.868	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
552	RR and RS	77.183	10.773	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
553	RR and RS	77.182	10.770	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
554	RR and RS	77.223	10.758	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
555	RR and RS	77.226	10.748	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
556	RR and RS	77.214	10.758	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
557	RR and RS	77.176	10.733	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
558	RR and RS	77.235	10.737	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
559	RR and RS	77.247	10.732	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
560	RR and RS	77.248	10.729	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
561	RR and RS	77.239	10.755	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
562	RR and RS	77.224	10.732	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
563	RR and RS	77.154	10.732	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
564	RR and RS	77.194	10.703	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
565	RR and RS	77.192	10.703	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
566	RR and RS	77.155	10.688	Moongiltholuvu	Tiruppur	Gudimangalam	Pethappampatti	Over Exploited
567	RR and RS	77.161	10.629	Seelakkampatti	Coimbatore	Pollachi South	KOLARPATTI	Over Exploited
568	RR and RS	77.152	10.620	Seelakkampatti	Coimbatore	Pollachi South	KOLARPATTI	Over Exploited
569	RR and RS	77.212	10.627	Udumalaiuppettai	Tiruppur		Udumalpet	Semi Critical
570	RR and RS	77.228	10.634	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
571	RR and RS	77.228	10.631	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
572	RR and RS	77.232	10.622	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
573	RR and RS	77.225	10.602	Udumalaiuppettai	Tiruppur		Udumalpet	Semi Critical
574	RR and RS	77.197	10.593	Udumalaiuppettai	Tiruppur		Udumalpet	Semi Critical
575	RR and RS	77.174	10.577	Periappanuthur	Tiruppur	Udumalaiuppettai	Periavalavadi	Over Exploited
576	RR and RS	77.184	10.547	Periappanuthur	Tiruppur	Udumalaiuppettai	Periavalavadi	Over Exploited
577	RR and RS	77.229	10.509	Kuralkuttai	Tiruppur	Udumalaiuppettai	Kurichikottai	Safe
578	RR and RS	77.230	10.508	Kuralkuttai	Tiruppur	Udumalaiuppettai	Kurichikottai	Safe
579	RR and RS	77.268	10.528	Kuralkuttai	Tiruppur	Udumalaiuppettai	Kurichikottai	Safe
580	RR and RS	77.270	10.528	Kuralkuttai	Tiruppur	Udumalaiuppettai	Kurichikottai	Safe
581	RR and RS	77.376	10.466	Metraathi	Tiruppur	Madathukulam	Madathukulam	Semi Critical
582	RR and RS	77.376	10.465	Metraathi	Tiruppur	Madathukulam	Madathukulam	Semi Critical
583	RR and RS	77.409	10.468	Ayyampalayam	Dindigul	Palani	Pappampatti	Semi Critical
584	RR and RS	77.409	10.467	Ayyampalayam	Dindigul	Palani	Pappampatti	Semi Critical



**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
585	RR and RS	77.303	10.514	Metrathi	Tiruppur	Madathukulam	Madathukulam	Semi Critical
586	RR and RS	77.309	10.500	Kuralkuttai	Tiruppur	Udumalaipettai	Kurichikottai	Safe
587	RR and RS	77.289	10.503	Kuralkuttai	Tiruppur	Udumalaipettai	Kurichikottai	Safe
588	RR and RS	77.270	10.497	Kuralkuttai	Tiruppur	Udumalaipettai	Kurichikottai	Safe
589	RR and RS	77.371	10.405	Ayyampalayam	Dindigul	Palani	Pappampatti	Semi Critical
590	RR and RS	77.372	10.404	Ayyampalayam	Dindigul	Palani	Pappampatti	Semi Critical
591	RR and RS	77.433	10.426	Ayyampalayam	Dindigul	Palani	Pappampatti	Semi Critical
592	RR and RS	77.450	10.412	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
593	RR and RS	77.535	10.412	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
594	RR and RS	77.536	10.414	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
595	RR and RS	77.524	10.416	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
596	RR and RS	77.527	10.416	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
597	RR and RS	77.511	10.409	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
598	RR and RS	77.617	10.431	Thangachiammap atti	Dindigul	Oddanchatram	Oddanchathram	Over Exploited
599	RR and RS	77.627	10.528	Porulur	Dindigul	Thoppampatti	Devathur	Over Exploited
600	RR and RS	77.676	10.532	Thangachiammap atti	Dindigul	Oddanchatram	Oddanchathram	Over Exploited
601	RR and RS	77.675	10.543	Porulur	Dindigul	Thoppampatti	Devathur	Over Exploited
602	RR and RS	77.693	10.549	Porulur	Dindigul	Thoppampatti	Devathur	Over Exploited
603	RR and RS	77.694	10.550	Porulur	Dindigul	Thoppampatti	Devathur	Over Exploited
604	RS	77.449	10.454	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
605	RS	77.479	10.482	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
606	RS	77.510	10.483	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
607	RS	77.475	10.677	Dalavoipattinam	Tiruppur	Dharapuram	Alangiyam	Semi Critical
608	RS	77.489	10.612	Kottathurai	Dindigul	Thoppampatti	Korikadavu	Semi Critical
609	RS	77.473	10.598	Kottathurai	Dindigul	Thoppampatti	Korikadavu	Semi Critical
610	RS	77.454	10.619	Kottathurai	Dindigul	Thoppampatti	Korikadavu	Semi Critical
611	RS	77.419	10.622	Kottathurai	Dindigul	Thoppampatti	Korikadavu	Semi Critical
612	RS	77.527	10.517	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
613	RS	77.529	10.517	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
614	RS	77.550	10.510	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
615	RS	77.548	10.507	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
616	RS	77.552	10.503	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
617	RS	77.549	10.503	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
618	RS	77.556	10.506	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
619	RS	77.568	10.507	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
620	RS	77.576	10.519	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
621	RS	77.577	10.519	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
622	RS	77.579	10.511	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
623	RS	77.578	10.509	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
624	RS	77.574	10.525	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
625	RS	77.574	10.526	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
626	RS	77.548	10.491	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
627	RS	77.553	10.487	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
628	RS	77.533	10.526	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
629	RS	77.537	10.559	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
630	RS	77.536	10.559	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
631	RS	77.529	10.551	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
632	RS	77.530	10.551	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
633	RS	77.545	10.545	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
634	RS	77.511	10.581	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
635	RS	77.524	10.571	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
636	RS	77.525	10.594	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
637	RS	77.562	10.582	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
638	RS	77.563	10.581	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
639	RS	77.571	10.593	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
640	RS	77.572	10.593	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
641	RS	77.580	10.590	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
642	RS	77.581	10.589	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
643	RS	77.584	10.597	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
644	RS	77.592	10.598	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
645	RS	77.594	10.599	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
646	RS	77.566	10.619	Koothampoodi	Dindigul	Thoppampatti	Kallimanthayam	Over Exploited
647	RS	77.568	10.627	Koothampoodi	Dindigul	Thoppampatti	Kallimanthayam	Over Exploited
648	RS	77.582	10.640	Koothampoodi	Dindigul	Thoppampatti	Kallimanthayam	Over Exploited
649	RS	77.583	10.641	Koothampoodi	Dindigul	Thoppampatti	Kallimanthayam	Over Exploited
650	RS	77.549	10.657	Dalavoipattinam	Tiruppur	Dharapuram	Alangiyam	Semi Critical
651	RS	77.539	10.671	Dalavoipattinam	Tiruppur	Dharapuram	Alangiyam	Semi Critical
652	RS	77.540	10.672	Dalavoipattinam	Tiruppur	Dharapuram	Alangiyam	Semi Critical
653	RS	77.545	10.687	Dalavoipattinam	Tiruppur	Dharapuram	Alangiyam	Semi Critical
654	RS	77.571	10.688	Dalavoipattinam	Tiruppur	Dharapuram	Alangiyam	Semi Critical
655	RS	77.626	10.736	Thoppampatti	Tiruppur	Dharapuram	Dharapuram	Semi Critical
656	RS	77.475	10.787	Thoppampatti	Tiruppur	Dharapuram	Dharapuram	Semi Critical
657	RS	77.658	10.705	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
658	RS	77.643	10.696	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
659	RS	77.655	10.682	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
660	RS	77.585	10.684	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
661	RS	77.731	10.723	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
662	RS	77.697	10.715	Koothampoodi	Dindigul	Thoppampatti	Kallimanthayam	Over Exploited
663	RS	77.924	10.665	Santhapadi	Karur	Aravakurichi	Pallapatti(K)	Over Exploited
664	RS	77.946	10.656	Santhapadi	Karur	Aravakurichi	Pallapatti(K)	Over Exploited
665	RS	77.964	10.655	Santhapadi	Karur	Aravakurichi	Pallapatti(K)	Over Exploited
666	RS	77.956	10.648	Santhapadi	Karur	Aravakurichi	Pallapatti(K)	Over Exploited
667	RS	77.909	10.740	Aravakurichi	Karur		Aravakurichi	Safe
668	RS	77.917	10.729	Santhapadi	Karur	Aravakurichi	Pallapatti(K)	Over Exploited
669	RS	77.855	10.793	Senapathipalayam	Tiruppur	Vellakoil	Kannivadi	Over Exploited
670	RS	77.852	10.785	Senapathipalayam	Tiruppur	Vellakoil	Kannivadi	Over Exploited
671	RS	77.867	10.772	Santhapadi	Karur	Aravakurichi	Pallapatti(K)	Over Exploited
672	RS	77.768	10.857	Senapathipalayam	Tiruppur	Vellakoil	Kannivadi	Over Exploited
673	RS	77.662	10.848	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
674	RS	77.680	10.843	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
675	RS	77.638	10.809	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
676	RS	77.511	10.976	Kathanganni	Tiruppur	Kangeyam	Kangeyam	Over Exploited
677	RS	77.534	10.968	Kathanganni	Tiruppur	Kangeyam	Kangeyam	Over Exploited
678	RS	77.401	11.010	Nachipalayam	Tiruppur	Pongalur	Avinashipalayam(S)	Over Exploited
679	RS	77.342	10.676	Metrathi	Tiruppur	Madathukulam	Madathukulam	Semi Critical
680	RS	77.284	10.693	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
681	RS	77.282	10.697	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
682	RS	77.270	10.656	Periapatti	Tiruppur	Gudimangalam	Gudimangalam	Over Exploited
683	RS	77.271	10.605	Udumalaipettai	Tiruppur		Udumalpet	Semi Critical
684	RS	77.645	10.582	Koothampoodi	Dindigul	Thoppampatti	Kallimanthayam	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
685	RS	77.642	10.544	Porulur	Dindigul	Thoppampatti	Devathur	Over Exploited
686	RS	77.719	10.664	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
687	RS	77.725	10.656	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
688	RS	77.673	10.722	Koothampoodi	Dindigul	Thoppampatti	Kallimanthayam	Over Exploited
689	RS	77.730	10.714	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
690	RS	77.719	10.703	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
691	RS	77.721	10.702	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
692	RS	77.704	10.708	Koothampoodi	Dindigul	Thoppampatti	Kallimanthayam	Over Exploited
693	RS	77.744	10.673	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
694	RS	77.748	10.659	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
695	RS	77.771	10.671	M.athappampatti	Dindigul	Oddanchatram	Chinnakkampatti	Over Exploited
696	RS	77.778	10.706	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
697	RS	77.757	10.691	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
698	RS	77.810	10.725	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
699	RS	77.813	10.741	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
700	RS	77.814	10.737	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
701	RS	78.008	10.678	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
702	RS	78.025	10.674	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
703	RS	78.041	10.668	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
704	RS	78.047	10.683	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
705	RS	78.055	10.680	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
706	RS	78.036	10.689	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
707	RS	78.066	10.643	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
708	RS	78.066	10.641	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
709	RS	78.050	10.652	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
710	RS	78.068	10.669	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
711	RS	78.020	10.646	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
712	RS	78.011	10.654	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
713	RS	78.014	10.655	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
714	RS	78.060	10.683	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
715	RS	78.054	10.699	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
716	RS	78.053	10.695	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
717	RS	78.064	10.718	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
718	RS	78.047	10.711	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
719	RS	78.040	10.711	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
720	RS	78.016	10.699	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
721	RS	78.030	10.745	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
722	RS	78.024	10.741	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
723	RS	78.035	10.741	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
724	RS	78.048	10.729	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
725	RS	78.061	10.733	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
726	RS	78.057	10.746	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
727	RS	78.052	10.748	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
728	RS	78.063	10.752	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
729	RS	78.048	10.735	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
730	RS	78.048	10.737	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
731	RS	78.067	10.749	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
732	RS	78.018	10.771	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
733	RS	78.073	10.781	Kakkavadi	Karur	Thanthoni	Thoranakalpatti	Over Exploited
734	RS	78.065	10.788	Kakkavadi	Karur	Thanthoni	Thoranakalpatti	Over Exploited
735	RS	78.018	10.803	Aravakurichi	Karur		Aravakurichi	Safe
736	RS	78.020	10.813	Aravakurichi	Karur		Aravakurichi	Safe

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
737	RS	78.074	10.810	Kakkavadi	Karur	Thanthoni	Thoranakalpatti	Over Exploited
738	RS	78.078	10.812	Kakkavadi	Karur	Thanthoni	Thoranakalpatti	Over Exploited
739	RS	78.060	10.809	Kakkavadi	Karur	Thanthoni	Thoranakalpatti	Over Exploited
740	RS	78.043	10.835	Kakkavadi	Karur	Thanthoni	Thoranakalpatti	Over Exploited
741	RS	78.027	10.836	Kakkavadi	Karur	Thanthoni	Thoranakalpatti	Over Exploited
742	RS	78.083	10.882	Kakkavadi	Karur	Thanthoni	Thoranakalpatti	Over Exploited
743	RS	78.106	10.958	Vellianai(south)	Karur	Thanthoni	Velliyanai	Over Exploited
744	RS	78.090	10.940	Vellianai(south)	Karur	Thanthoni	Velliyanai	Over Exploited
745	RS	78.048	10.900	Kakkavadi	Karur	Thanthoni	Thoranakalpatti	Over Exploited
746	RS	78.067	11.054	Nanniyur	Karur	Karur	Vangal	Over Exploited
747	RS	77.963	11.012	Athipalayam )	Karur	K.Paramathy	K.Paramathy	Over Exploited
748	RS	77.861	10.354	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
749	RS	77.879	10.360	Virakkal	Dindigul	Attur	Athoor	Semi Critical
750	RS	77.882	10.363	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
751	RS	77.884	10.363	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
752	RS	77.889	10.362	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
753	RS	77.890	10.363	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
754	RS	77.890	10.358	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
755	RS	77.901	10.357	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
756	RS	77.913	10.353	Virakkal	Dindigul	Attur	Athoor	Semi Critical
757	RS	77.889	10.370	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
758	RS	77.935	10.383	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
759	RS	77.941	10.387	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
760	RS	77.945	10.392	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
761	RS	78.098	10.237	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
762	RS	78.103	10.242	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
763	RS	78.103	10.242	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
764	RS	78.116	10.238	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
765	RS	78.118	10.238	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
766	RS	78.125	10.234	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
767	RS	78.086	10.252	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
768	RS	78.083	10.260	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
769	RS	78.082	10.264	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
770	RS	78.055	10.256	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
771	RS	78.038	10.267	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
772	RS	78.070	10.285	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
773	RS	78.071	10.286	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
774	RS	78.071	10.291	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
775	RS	78.071	10.295	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
776	RS	78.079	10.297	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
777	RS	78.082	10.311	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
778	RS	78.075	10.324	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
779	RS	78.074	10.330	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
780	RS	78.079	10.340	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
781	RS	78.079	10.339	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
782	RS	78.090	10.330	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
783	RS	78.087	10.330	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
784	RS	78.077	10.339	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
785	RS	78.076	10.341	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
786	RS	78.070	10.353	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
787	RS	78.070	10.352	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
788	RS	78.064	10.351	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited



**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
789	RS	78.064	10.349	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
790	RS	78.053	10.358	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
791	RS	78.052	10.358	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
792	RS	78.051	10.357	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
793	RS	78.056	10.366	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
794	RS	78.055	10.366	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
795	RS	78.069	10.382	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
796	RS	78.069	10.383	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
797	RS	78.043	10.409	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
798	RS	78.042	10.410	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
799	RS	78.051	10.425	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
800	RS	78.034	10.421	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
801	RS	78.029	10.433	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
802	RS	78.030	10.434	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
803	RS	78.059	10.440	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
804	RS	78.059	10.441	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
805	RS	78.058	10.443	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
806	RS	78.072	10.516	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
807	RS	78.079	10.515	Komberipatti	Dindigul	Vadamadurai	Ayyalur	Semi Critical
808	RS	78.050	10.541	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
809	RS	78.045	10.553	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
810	RS	78.024	10.550	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
811	RS	78.029	10.542	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
812	RS	78.012	10.547	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
813	RS	78.012	10.551	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
814	RS	78.014	10.534	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
815	RS	78.065	10.566	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
816	RS	78.049	10.573	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
817	RS	78.039	10.573	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
818	RS	78.022	10.568	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
819	RS	78.024	10.566	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
820	RS	78.030	10.566	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
821	RS	78.037	10.562	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
822	RS	78.038	10.562	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
823	RS	78.031	10.560	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
824	RS	78.045	10.560	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
825	RS	78.054	10.558	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
826	RS	78.048	10.554	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
827	RS	78.034	10.621	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
828	RS	78.020	10.619	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
829	RS	78.060	10.619	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
830	RS	78.065	10.601	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
831	RS	78.069	10.601	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
832	RS	78.039	10.606	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
833	RS	77.985	10.628	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
834	RS	78.000	10.630	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
835	RS	78.014	10.630	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
836	RS	78.025	10.628	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
837	RS	78.020	10.595	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
838	RS	78.047	10.655	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
839	RS	78.039	10.589	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
840	RS	76.749	10.965	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
841	RS	76.753	10.966	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical
842	RS	76.912	10.999	Vedappatti	Coimbatore		PERUR	Over Exploited
843	RS	76.919	10.999	Vedappatti	Coimbatore		PERUR	Over Exploited
844	RS	76.938	11.003	Coimbatore	Coimbatore		COIMBATORE SOUTH	Over Exploited
845	RS	76.944	11.002	Coimbatore	Coimbatore		COIMBATORE SOUTH	Over Exploited
846	RS	76.925	10.972	Vedappatti	Coimbatore		PERUR	Over Exploited
847	RS	76.930	10.966	Vedappatti	Coimbatore		PERUR	Over Exploited
848	RS	76.906	10.971	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical
849	RS	76.909	10.970	Ikkaraibooluvamp oatti	Coimbatore	Thondamuthur	ALANDURAI	Semi Critical
850	RS	76.939	10.958	Vedappatti	Coimbatore		PERUR	Over Exploited
851	RS	76.942	10.951	Vedappatti	Coimbatore		PERUR	Over Exploited
852	RS	76.948	10.949	Vedappatti	Coimbatore		PERUR	Over Exploited
853	RS	76.965	10.968	Vedappatti	Coimbatore		PERUR	Over Exploited
854	RS	76.961	10.965	Vedappatti	Coimbatore		PERUR	Over Exploited
855	RS	76.968	10.963	Vedappatti	Coimbatore		PERUR	Over Exploited
856	RS	76.963	10.962	Vedappatti	Coimbatore		PERUR	Over Exploited
857	RS	76.952	10.981	Coimbatore	Coimbatore		COIMBATORE SOUTH	Over Exploited
858	RS	76.957	10.981	Coimbatore	Coimbatore		COIMBATORE SOUTH	Over Exploited
859	RS	76.960	10.984	Coimbatore	Coimbatore		COIMBATORE SOUTH	Over Exploited
860	RS	76.970	10.990	Coimbatore	Coimbatore		COIMBATORE SOUTH	Over Exploited
861	RS	76.982	10.993	Coimbatore	Coimbatore		COIMBATORE SOUTH	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
862	RS	76.907	10.985	Vedappatti	Coimbatore		PERUR	Over Exploited
863	RS	76.994	11.007	Coimbatore	Coimbatore		COIMBATORE SOUTH	Over Exploited
864	RS	77.021	10.992	Coimbatore	Coimbatore		COIMBATORE SOUTH	Over Exploited
865	RS	77.026	10.986	Coimbatore	Coimbatore		COIMBATORE SOUTH	Over Exploited
866	RS	77.021	10.986	Coimbatore	Coimbatore		COIMBATORE SOUTH	Over Exploited
867	RS	77.009	10.977	Chettippalayam	Coimbatore		OTTAKKAL MANDABAM	Critical
868	RS	77.010	10.974	Chettippalayam	Coimbatore		OTTAKKAL MANDABAM	Critical
869	RS	77.094	11.038	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
870	RS	77.098	11.043	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
871	RS	77.100	11.048	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
872	RS	77.112	11.027	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
873	RS	77.117	11.027	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
874	RS	77.128	11.032	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
875	RS	77.082	11.021	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
876	RS	77.057	11.061	Vellanaipatti	Coimbatore	Sarcarsamakulam	SARAVANAMPATTI	Semi Critical
877	RS	77.082	10.993	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
878	RS	77.074	10.988	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
879	RS	77.140	10.988	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
880	RS	77.138	11.007	Rasipalayam	Coimbatore	Sulur	Sulur	Over Exploited
881	RS	77.157	10.980	Appanaickenpatti	Coimbatore	Sultanpet	SELAKKARICHAL	Over Exploited
882	RS	77.217	11.083	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
883	RS	77.202	11.073	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
884	RS	77.236	11.107	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
885	RS	77.294	11.103	Mudalipalayam	Tiruppur	Tiruppur	Tiruppur (S)	Over Exploited
886	RS	77.237	11.042	Poomalur	Tiruppur	Palladam	Samalapuram	Over Exploited
887	RS	77.151	11.098	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
888	RS	77.155	11.090	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
889	RS	77.040	11.164	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
890	RS	77.044	11.161	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
891	RS	77.066	11.190	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
892	RS	77.072	11.189	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
893	RS	77.074	11.211	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
894	RS	77.077	11.209	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
895	RS	77.096	11.175	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
896	RS	77.080	11.162	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
897	RS	77.113	11.172	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
898	RS	77.132	11.176	Kaduvettipalayam	Coimbatore	Sulur	Karumathampatti	Over Exploited
899	RS	77.113	11.156	Vadavalli	Coimbatore	Annur	ANNUR(S)	Semi Critical
900	RS	77.100	11.239	Pogalur	Coimbatore	Annur	Annur(N)	Over Exploited
901	RS	77.101	11.234	Pogalur	Coimbatore	Annur	Annur(N)	Over Exploited
902	RS	77.115	11.227	Pogalur	Coimbatore	Annur	Annur(N)	Over Exploited
903	RS	77.129	11.230	Pogalur	Coimbatore	Annur	Annur(N)	Over Exploited
904	RS	77.135	11.230	Pogalur	Coimbatore	Annur	Annur(N)	Over Exploited
905	RS	77.114	11.246	Pogalur	Coimbatore	Annur	Annur(N)	Over Exploited
906	RS	77.189	11.236	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
907	RS	77.210	11.231	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
908	RS	77.191	11.203	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
909	RS	77.244	11.246	Kuttagam	Tiruppur	Avanashi	Cheyur	Over Exploited
910	RS	77.279	11.268	Kuttagam	Tiruppur	Avanashi	Cheyur	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
911	RS	77.264	11.258	Kuttagam	Tiruppur	Avanashi	Cheyur	Over Exploited
912	RS	77.326	11.235	Kaniampundi	Tiruppur	Avanashi	Avinashi(E)	Over Exploited
913	RS	77.284	11.223	Kaniampundi	Tiruppur	Avanashi	Avinashi(E)	Over Exploited
914	RS	77.390	11.305	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
915	RS	77.363	11.262	Sokkanur	Tiruppur	Tiruppur	Perumanallur	Over Exploited
916	RS	77.366	11.262	Sokkanur	Tiruppur	Tiruppur	Perumanallur	Over Exploited
917	RS	77.416	11.278	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
918	RS	77.417	11.274	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
919	RS	77.445	11.267	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
920	RS	77.451	11.257	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
921	RS	77.406	11.237	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
922	RS	77.407	11.233	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
923	RS	77.463	11.219	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
924	RS	77.461	11.214	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
925	RS	77.466	11.214	Pudupalayam	Tiruppur	Uthukuli	Kunnathur	Over Exploited
926	RS	77.492	11.193	Punjaithalavaipala yam	Tiruppur	Uthukuli	Uthukuli	Over Exploited
927	RS	77.494	11.199	Punjaithalavaipala yam	Tiruppur	Uthukuli	Uthukuli	Over Exploited
928	RS	77.513	11.161	Voipadi	Erode	Chennimalai	Chennimalai	Over Exploited
929	RS	77.520	11.161	Voipadi	Erode	Chennimalai	Chennimalai	Over Exploited
930	RS	77.525	11.160	Voipadi	Erode	Chennimalai	Chennimalai	Over Exploited
931	RS	77.527	11.168	Voipadi	Erode	Chennimalai	Chennimalai	Over Exploited
932	RS	77.243	11.144	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
933	RS	77.186	11.161	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
934	RS	77.273	11.196	Kaniampundi	Tiruppur	Avanashi	Avinashi(E)	Over Exploited
935	RS	77.277	11.192	Kaniampundi	Tiruppur	Avanashi	Avinashi(E)	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
936	RS	77.263	11.187	Kaniampundi	Tiruppur	Avanashi	Avinashi(E)	Over Exploited
937	RS	77.266	11.185	Vettuvapalayam	Tiruppur	Avanashi	Avinashi(W)	Over Exploited
938	RS	77.384	11.133	Punjaithalavaipala yam	Tiruppur	Uthukuli	Uthukuli	Over Exploited
939	RS	77.390	11.131	Punjaithalavaipala yam	Tiruppur	Uthukuli	Uthukuli	Over Exploited
940	RS	77.389	11.136	Pongupalayam	Tiruppur	Tiruppur	Tiruppur (N)	Over Exploited
941	RS	77.399	11.113	Mudalipalayam	Tiruppur	Tiruppur	Tiruppur (S)	Over Exploited
942	RS	77.437	11.119	Mudalipalayam	Tiruppur	Tiruppur	Tiruppur (S)	Over Exploited
943	RS	77.453	11.125	Punjaithalavaipala yam	Tiruppur	Uthukuli	Uthukuli	Over Exploited
944	RS	77.459	11.120	Punjaithalavaipala yam	Tiruppur	Uthukuli	Uthukuli	Over Exploited
945	RS	77.489	11.110	Kathanganni	Tiruppur	Kangeyam	Kangeyam	Over Exploited
946	RS	77.490	11.107	Kathanganni	Tiruppur	Kangeyam	Kangeyam	Over Exploited
947	RS	77.570	11.103	Marudurai	Tiruppur	Kangeyam	Nathakadaiyur	Semi Critical
948	RS	77.403	10.786	Sadayapalayam	Tiruppur	Kundadam		
949	RS	77.420	10.781	Tothiampatti	Tiruppur	Kundadam	Kundadam	Over Exploited
950	RS	77.606	10.655	Koothampoodi	Dindigul	Thoppampatti	Kallimanthayam	Over Exploited
951	RS	77.619	10.705	Thurambadi	Tiruppur	Mulanur	Mulanur	Over Exploited
952	RS	77.208	10.544	Udumalaiipettai	Tiruppur		Udumalpet	Semi Critical
953	RS	77.217	10.545	Udumalaiipettai	Tiruppur		Udumalpet	Semi Critical
954	RS	77.226	10.565	Udumalaiipettai	Tiruppur		Udumalpet	Semi Critical
955	RS	77.208	10.524	Kuralkuttai	Tiruppur	Udumalaiipettai	Kurichikottai	Safe
956	RS	77.194	10.516	Udumalaiipettai	Tiruppur		Udumalpet	Semi Critical
957	RS	77.193	10.523	Udumalaiipettai	Tiruppur		Udumalpet	Semi Critical
958	RS	77.299	10.543	Udumalaiipettai	Tiruppur		Udumalpet	Semi Critical
959	RS	77.169	10.480	Kuralkuttai	Tiruppur	Udumalaiipettai	Kurichikottai	Safe

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
960	RS	77.218	10.536	Kuralkuttai	Tiruppur	Udumalaipettai	Kurichikottai	Safe
961	RS	77.246	10.521	Kuralkuttai	Tiruppur	Udumalaipettai	Kurichikottai	Safe
962	RS	77.379	10.405	Ayyampalayam	Dindigul	Palani	Pappampatti	Semi Critical
963	RS	77.378	10.417	Ayyampalayam	Dindigul	Palani	Pappampatti	Semi Critical
964	RS	77.383	10.429	Ayyampalayam	Dindigul	Palani	Pappampatti	Semi Critical
965	RS	77.377	10.484	Mettrathi	Tiruppur	Madathukulam	Madathukulam	Semi Critical
966	RS	77.380	10.479	Mettrathi	Tiruppur	Madathukulam	Madathukulam	Semi Critical
967	RS	77.383	10.458	Ayyampalayam	Dindigul	Palani	Pappampatti	Semi Critical
968	RS	77.438	10.441	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
969	RS	77.444	10.427	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
970	RS	77.466	10.433	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
971	RS	77.474	10.447	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
972	RS	77.474	10.441	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
973	RS	77.457	10.407	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
974	RS	77.470	10.397	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
975	RS	77.466	10.387	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
976	RS	77.445	10.402	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
977	RS	77.487	10.420	Sithraikulam	Dindigul	Palani	Neikkarapattai	Safe
978	RS	77.512	10.443	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
979	RS	77.491	10.468	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
980	RS	77.498	10.472	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
981	RS	77.502	10.517	Mettupatti	Dindigul	Thoppampatti	Thoppampatti	Over Exploited
982	RS	77.528	10.471	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
983	RS	77.537	10.459	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe



**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
984	RS	77.585	10.479	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
985	RS	77.589	10.477	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
986	RS	77.537	10.439	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
987	RS	77.537	10.435	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
988	RS	77.555	10.423	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
989	RS	77.512	10.413	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
990	RS	77.504	10.422	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
991	RS	77.637	10.459	Thangachiammap atti	Dindigul	Oddanchatram	Oddanchathram	Over Exploited
992	RS	77.644	10.461	Thangachiammap atti	Dindigul	Oddanchatram	Oddanchathram	Over Exploited
993	RS	77.661	10.448	Thangachiammap atti	Dindigul	Oddanchatram	Oddanchathram	Over Exploited
994	RS	77.502	10.407	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
995	RS	77.495	10.398	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
996	RS	77.518	10.403	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
997	RS	77.512	10.396	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
998	RS	77.530	10.408	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
999	RS	77.536	10.395	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
1000	RS	77.531	10.393	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
1001	RS	77.527	10.396	Kalickkanaickenp atti	Dindigul	Palani	Palani	Safe
1002	RS	77.543	10.471	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
1003	RS	77.565	10.430	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
1004	RS	77.660	10.449	Thangachiammapatti	Dindigul	Oddanchatram	Oddanchathram	Over Exploited
1005	RS	77.620	10.502	Porulur	Dindigul	Thoppampatti	Devathur	Over Exploited
1006	RS	77.624	10.502	Porulur	Dindigul	Thoppampatti	Devathur	Over Exploited
1007	RS	77.590	10.501	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
1008	RS	77.595	10.502	Veppanavalasu	Dindigul	Palani	Ayakudi	Semi Critical
1009	RS	77.704	10.546	M.athappampatti	Dindigul	Oddanchatram	Chinnakkampatti	Over Exploited
1010	RS	77.724	10.533	M.athappampatti	Dindigul	Oddanchatram	Chinnakkampatti	Over Exploited
1011	RS	77.697	10.531	M.athappampatti	Dindigul	Oddanchatram	Chinnakkampatti	Over Exploited
1012	RS	77.739	10.530	Thangachiammapatti	Dindigul	Oddanchatram	Oddanchathram	Over Exploited
1013	RS	77.743	10.530	Thangachiammapatti	Dindigul	Oddanchatram	Oddanchathram	Over Exploited
1014	RS	77.716	10.500	Thangachiammapatti	Dindigul	Oddanchatram	Oddanchathram	Over Exploited
1015	RS	77.751	10.491	Thangachiammapatti	Dindigul	Oddanchatram	Oddanchathram	Over Exploited
1016	RS	77.768	10.544	Thangachiammapatti	Dindigul	Oddanchatram	Oddanchathram	Over Exploited
1017	RS	77.781	10.545	Idayakottai	Dindigul	Oddanchatram	Puliyurnatham	Over Exploited
1018	RS	77.792	10.552	Idayakottai	Dindigul	Oddanchatram	Puliyurnatham	Over Exploited
1019	RS	77.792	10.550	Idayakottai	Dindigul	Oddanchatram	Puliyurnatham	Over Exploited
1020	RS	77.820	10.597	Idayakottai	Dindigul	Oddanchatram	Puliyurnatham	Over Exploited
1021	RS	77.830	10.586	Idayakottai	Dindigul	Oddanchatram	Puliyurnatham	Over Exploited
1022	RS	78.075	10.787	Kakkavadi	Karur	Thanthoni	Thoranakalpatti	Over Exploited
1023	RS	78.057	10.740	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
1024	RS	78.043	10.762	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
1025	RS	78.004	10.765	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited
1026	RS	78.001	10.758	Landakottai	Dindigul	Guziliamparai	Kottanatham	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
1027	RS	78.107	10.908	Vellianai(south)	Karur	Thanthoni	Velliyanai	Over Exploited
1028	RS	78.022	10.679	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1029	RS	78.028	10.688	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1030	RS	78.056	10.675	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1031	RS	78.030	10.669	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1032	RS	78.037	10.677	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1033	RS	78.066	10.674	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1034	RS	78.069	10.659	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1035	RS	78.072	10.649	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1036	RS	77.992	10.655	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1037	RS	77.977	10.658	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1038	RS	78.029	10.640	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1039	RS	78.053	10.636	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1040	RS	78.064	10.632	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1041	RS	78.073	10.627	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1042	RS	78.051	10.622	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1043	RS	78.051	10.625	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1044	RS	78.029	10.626	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1045	RS	78.002	10.634	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1046	RS	78.010	10.633	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1047	RS	78.020	10.631	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1048	RS	77.951	10.630	Kalvarpatti	Dindigul	Vedasandur	Vedasandur	Over Exploited
1049	RS	77.999	10.618	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1050	RS	78.014	10.610	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1051	RS	78.016	10.615	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1052	RS	78.039	10.618	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
1053	RS	78.045	10.615	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1054	RS	78.069	10.606	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1055	RS	78.055	10.609	Mallapuram	Dindigul	Guziliamparai	Palayam	Over Exploited
1056	RS	78.054	10.596	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1057	RS	78.017	10.596	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1058	RS	78.055	10.589	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1059	RS	78.067	10.581	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1060	RS	78.087	10.590	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1061	RS	78.073	10.573	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1062	RS	78.059	10.564	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1063	RS	78.065	10.547	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1064	RS	78.036	10.556	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1065	RS	78.044	10.546	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1066	RS	78.036	10.543	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1067	RS	78.023	10.548	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1068	RS	78.020	10.551	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1069	RS	77.978	10.577	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1070	RS	77.977	10.582	Kalvarpatti	Dindigul	Vedasandur	Vedasandur	Over Exploited
1071	RS	77.986	10.539	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1072	RS	77.980	10.546	Palapatti	Dindigul	Vedasandur	Kovilur	Over Exploited
1073	RS	78.003	10.532	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1074	RS	78.009	10.534	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1075	RS	78.030	10.530	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1076	RS	78.032	10.535	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1077	RS	78.058	10.540	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1078	RS	78.001	10.516	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
1079	RS	77.899	10.596	Kalvarpatti	Dindigul	Vedasandur	Vedasandur	Over Exploited
1080	RS	77.950	10.600	Kalvarpatti	Dindigul	Vedasandur	Vedasandur	Over Exploited
1081	RS	77.940	10.530	Kalvarpatti	Dindigul	Vedasandur	Vedasandur	Over Exploited
1082	RS	77.936	10.507	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1083	RS	77.921	10.509	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1084	RS	77.903	10.498	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1085	RS	77.882	10.500	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1086	RS	77.934	10.546	Kalvarpatti	Dindigul	Vedasandur	Vedasandur	Over Exploited
1087	RS	77.938	10.560	Kalvarpatti	Dindigul	Vedasandur	Vedasandur	Over Exploited
1088	RS	77.931	10.483	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1089	RS	77.934	10.473	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1090	RS	77.936	10.462	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1091	RS	77.897	10.463	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1092	RS	77.923	10.447	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1093	RS	77.895	10.494	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1094	RS	77.887	10.467	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1095	RS	77.896	10.462	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1096	RS	77.912	10.486	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1097	RS	77.945	10.453	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1098	RS	77.900	10.429	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1099	RS	77.900	10.434	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1100	RS	77.887	10.426	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1101	RS	77.869	10.423	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1102	RS	77.872	10.425	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1103	RS	77.875	10.439	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1104	RS	77.929	10.420	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
1105	RS	77.932	10.422	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1106	RS	77.923	10.409	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1107	RS	77.921	10.405	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
1108	RS	77.918	10.398	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
1109	RS	77.908	10.394	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1110	RS	77.901	10.391	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1111	RS	77.901	10.401	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1112	RS	77.896	10.398	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
1113	RS	77.862	10.401	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1114	RS	77.863	10.406	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1115	RS	77.884	10.404	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1116	RS	77.894	10.410	Sullerumbu	Dindigul	Reddiyarchattiram	Reddiarchatram	Over Exploited
1117	RS	77.823	10.398	Nilamalakottai	Dindigul	Reddiyarchattiram	Palakkanoothu	Over Exploited
1118	RS	77.821	10.406	Nilamalakottai	Dindigul	Reddiyarchattiram	Palakkanoothu	Over Exploited
1119	RS	77.832	10.406	Nilamalakottai	Dindigul	Reddiyarchattiram	Palakkanoothu	Over Exploited
1120	RS	77.825	10.419	Nilamalakottai	Dindigul	Reddiyarchattiram	Palakkanoothu	Over Exploited
1121	RS	77.806	10.426	Nilamalakottai	Dindigul	Reddiyarchattiram	Palakkanoothu	Over Exploited
1122	RS	77.863	10.380	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
1123	RS	77.871	10.376	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
1124	RS	77.865	10.371	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
1125	RS	77.899	10.372	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
1126	RS	77.868	10.356	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
1127	RS	77.896	10.348	Virakkal	Dindigul	Attur	Athoor	Semi Critical
1128	RS	77.912	10.347	Virakkal	Dindigul	Attur	Athoor	Semi Critical
1129	RS	77.919	10.359	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
1130	RS	77.917	10.365	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
1131	RS	77.923	10.375	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
1132	RS	77.836	10.321	Virakkal	Dindigul	Attur	Athoor	Semi Critical
1133	RS	77.971	10.484	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1134	RS	77.976	10.483	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1135	RS	77.980	10.479	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1136	RS	77.991	10.476	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1137	RS	77.986	10.469	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1138	RS	77.971	10.470	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1139	RS	78.007	10.509	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1140	RS	77.997	10.508	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1141	RS	78.007	10.499	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1142	RS	78.017	10.496	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1143	RS	78.022	10.500	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1144	RS	78.030	10.502	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1145	RS	78.025	10.511	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1146	RS	78.053	10.515	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1147	RS	78.032	10.493	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1148	RS	78.034	10.499	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1149	RS	78.024	10.489	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1150	RS	78.058	10.479	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1151	RS	78.056	10.474	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1152	RS	78.029	10.481	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1153	RS	78.014	10.479	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1154	RS	78.003	10.479	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1155	RS	77.996	10.461	Nagayakottai	Dindigul	Vedasandur	Eriodu	Over Exploited
1156	RS	78.013	10.454	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
1157	RS	77.997	10.447	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1158	RS	78.003	10.446	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1159	RS	77.994	10.453	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1160	RS	78.021	10.436	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1161	RS	78.004	10.437	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1162	RS	78.006	10.432	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1163	RS	77.969	10.448	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1164	RS	77.963	10.441	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1165	RS	77.963	10.455	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1166	RS	77.962	10.422	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1167	RS	77.962	10.427	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1168	RS	78.016	10.419	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1169	RS	78.021	10.418	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1170	RS	78.039	10.435	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1171	RS	78.057	10.427	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1172	RS	78.053	10.449	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1173	RS	78.040	10.460	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1174	RS	78.016	10.467	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1175	RS	78.033	10.454	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1176	RS	78.067	10.440	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1177	RS	78.068	10.434	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1178	RS	78.072	10.419	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1179	RS	78.050	10.406	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1180	RS	78.052	10.408	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1181	RS	78.064	10.409	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1182	RS	78.062	10.407	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited



**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
1183	RS	78.058	10.416	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1184	RS	78.070	10.504	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1185	RS	78.080	10.497	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1186	RS	78.067	10.488	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1187	RS	78.065	10.473	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1188	RS	78.083	10.480	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1189	RS	78.087	10.480	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1190	RS	78.097	10.484	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1191	RS	78.105	10.486	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1192	RS	78.105	10.483	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1193	RS	78.107	10.473	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1194	RS	78.108	10.470	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1195	RS	78.097	10.472	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1196	RS	78.103	10.471	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1197	RS	78.092	10.461	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1198	RS	78.082	10.448	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1199	RS	78.086	10.514	Komberipatti	Dindigul	Vadamadurai	Ayyalur	Semi Critical
1200	RS	78.105	10.494	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1201	RS	78.136	10.496	Komberipatti	Dindigul	Vadamadurai	Ayyalur	Semi Critical
1202	RS	78.146	10.476	Komberipatti	Dindigul	Vadamadurai	Ayyalur	Semi Critical
1203	RS	78.165	10.428	Komberipatti	Dindigul	Vadamadurai	Ayyalur	Semi Critical
1204	RS	78.164	10.420	Komberipatti	Dindigul	Vadamadurai	Ayyalur	Semi Critical
1205	RS	78.159	10.415	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1206	RS	78.156	10.409	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1207	RS	78.156	10.396	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1208	RS	78.156	10.393	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
1209	RS	78.155	10.388	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1210	RS	78.160	10.383	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1211	RS	78.159	10.376	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1212	RS	78.125	10.460	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1213	RS	78.119	10.452	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1214	RS	78.111	10.450	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1215	RS	78.129	10.445	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1216	RS	78.116	10.442	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1217	RS	78.104	10.427	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1218	RS	78.094	10.426	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1219	RS	78.137	10.332	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1220	RS	78.136	10.357	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1221	RS	78.149	10.360	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1222	RS	78.130	10.353	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1223	RS	78.119	10.344	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1224	RS	78.127	10.337	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1225	RS	78.108	10.350	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1226	RS	78.101	10.356	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1227	RS	78.099	10.360	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1228	RS	78.098	10.367	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1229	RS	78.085	10.357	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1230	RS	78.071	10.361	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1231	RS	78.060	10.364	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1232	RS	78.064	10.366	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1233	RS	78.064	10.381	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1234	RS	78.056	10.388	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
1235	RS	78.025	10.386	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1236	RS	78.030	10.387	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1237	RS	78.065	10.372	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1238	RS	78.073	10.336	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1239	RS	78.080	10.322	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1240	RS	78.093	10.327	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1241	RS	78.121	10.305	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1242	RS	78.142	10.252	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1243	RS	78.139	10.254	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1244	RS	78.142	10.263	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1245	RS	78.133	10.258	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1246	RS	78.126	10.265	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1247	RS	78.120	10.259	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1248	RS	78.120	10.267	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1249	RS	78.116	10.280	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1250	RS	78.107	10.282	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1251	RS	78.107	10.291	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1252	RS	78.106	10.267	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1253	RS	78.105	10.272	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1254	RS	78.113	10.265	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1255	RS	78.107	10.260	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1256	RS	78.107	10.257	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1257	RS	78.108	10.253	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1258	RS	78.086	10.279	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1259	RS	78.088	10.284	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1260	RS	78.089	10.291	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
1261	RS	78.088	10.298	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1262	RS	78.088	10.302	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1263	RS	78.095	10.298	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1264	RS	78.094	10.295	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1265	RS	78.094	10.304	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1266	RS	78.081	10.275	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1267	RS	78.090	10.268	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1268	RS	78.076	10.279	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1269	RS	78.081	10.287	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1270	RS	78.080	10.256	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1271	RS	78.066	10.311	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1272	RS	78.067	10.318	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1273	RS	78.072	10.337	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1274	RS	78.059	10.339	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1275	RS	78.065	10.344	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1276	RS	78.054	10.353	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1277	RS	78.054	10.347	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1278	RS	78.051	10.313	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1279	RS	78.041	10.310	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1280	RS	78.024	10.329	Sengurichi	Dindigul	Shanarpatti	Shanarpatti	Over Exploited
1281	RS	78.023	10.341	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1282	RS	78.020	10.338	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1283	RS	78.033	10.337	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1284	RS	78.036	10.344	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1285	RS	78.036	10.356	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1286	RS	78.033	10.362	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
1287	RS	78.029	10.365	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1288	RS	78.029	10.348	Madur	Dindigul	Shanarpatti	Silvathur	Over Exploited
1289	RS	78.013	10.350	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1290	RS	78.005	10.343	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1291	RS	78.005	10.363	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1292	RS	78.000	10.368	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1293	RS	77.995	10.352	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1294	RS	77.994	10.328	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1295	RS	78.006	10.322	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1296	RS	78.033	10.373	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1297	RS	77.991	10.389	Periyakottai	Dindigul	Dindigul	Dindigul North	Semi Critical
1298	RS	77.975	10.353	Dindigul	Dindigul		RF	
1299	RS	77.955	10.357	Dindigul	Dindigul		RF	
1300	RS	77.947	10.367	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1301	RS	77.942	10.377	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1302	RS	77.923	10.390	Adalur	Dindigul	Reddiyarchattiram	Dharmathupatti	Semi Critical
1303	RS	77.957	10.313	Anaipatti	Dindigul	Dindigul	Dindigul South	Semi Critical
1304	RS	77.939	10.323	Pillayarnattam	Dindigul	Attur	Chinnalpatti	Over Exploited
1305	RS	77.931	10.319	Pillayarnattam	Dindigul	Attur	Chinnalpatti	Over Exploited
1306	RS	77.914	10.310	Pillayarnattam	Dindigul	Attur	Chinnalpatti	Over Exploited
1307	RS	77.921	10.303	Pillayarnattam	Dindigul	Attur	Chinnalpatti	Over Exploited
1308	RS	77.903	10.292	Pillayarnattam	Dindigul	Attur	Chinnalpatti	Over Exploited
1309	RS	77.904	10.290	Pillayarnattam	Dindigul	Attur	Chinnalpatti	Over Exploited
1310	RS	77.892	10.283	Pillayarnattam	Dindigul	Attur	Chinnalpatti	Over Exploited
1311	RS	77.917	10.274	Pillayarnattam	Dindigul	Attur	Chinnalpatti	Over Exploited
1312	RS	77.888	10.228	Jambudurai kottaiai	Dindigul	Nilakkottai	Oruthattu	Critical

**AQUIFER MAPPING AND MANAGEMENT PLAN FOR AMARAVATHI AQUIFER SYSTEM, TAMIL NADU**

<b>S. No.</b>	<b>Type</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Village</b>	<b>District</b>	<b>Block</b>	<b>Firka</b>	<b>Category</b>
1313	RS	77.877	10.239	Jambudurai kottaiai	Dindigul	Nilakkottai	Oruthattu	Critical
1314	RS	77.862	10.272	Sengattampatti R.f.	Dindigul	Batlagundu	Nilakottai	Over Exploited
1315	RS	77.853	10.273	Virakkal	Dindigul	Attur	Athoor	Semi Critical
1316	RS	77.848	10.273	Virakkal	Dindigul	Attur	Athoor	Semi Critical
1317	RS	77.816	10.273	Virakkal	Dindigul	Attur	Athoor	Semi Critical
1318	RS	77.807	10.266	Virakkal	Dindigul	Attur	Athoor	Semi Critical
1319	RS	77.826	10.256	Virakkal	Dindigul	Attur	Athoor	Semi Critical
1320	RS	77.836	10.258	Virakkal	Dindigul	Attur	Athoor	Semi Critical
1321	RS	77.808	10.297	Manalur	Dindigul	Attur	Ayyampalayam	Over Exploited
1322	RS	77.812	10.295	Virakkal	Dindigul	Attur	Athoor	Semi Critical
1323	RS	77.815	10.291	Virakkal	Dindigul	Attur	Athoor	Semi Critical
1324	RS	77.876	10.294	Virakkal	Dindigul	Attur	Athoor	Semi Critical
1325	RS	78.118	10.386	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1326	RS	78.126	10.378	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1327	RS	78.113	10.379	Sengurichi	Dindigul	Shanarpatti	Kambiliampatti	Semi Critical
1328	RS	78.100	10.391	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1329	RS	78.106	10.399	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1330	RS	78.103	10.406	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1331	RS	78.091	10.405	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1332	RS	78.080	10.409	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1333	RS	78.078	10.403	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1334	RS	78.072	10.401	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1335	RS	78.081	10.412	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1336	RS	78.095	10.419	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited
1337	RS	78.090	10.404	Tennampatti	Dindigul	Vadamadurai	Vadamadurai	Over Exploited



“நீரை சேமிப்போம், உயிரைக் காப்போம்”

“जल बचाएं, जीवन बचाएं”

“Save Water, Save Life”

“நீரை சேமிப்போம், பூமியை காப்பாற்றுவோம்”

“जल बचाएं, पृथ्वी बचाएं”

“Save Water, Save Earth”

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தொலைபேசி / फोन / Phone: 044- 24914494 / 24912941

தொலைநகல் / टेलीफैक्स / Tele Fax: 044- 24914334

மின்னஞ்சல் / ईमेल / E Mial: [rdsecr-cgwb@nic.in](mailto:rdsecr-cgwb@nic.in)

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