

# EXCAVATION AT KEELADI, TIRUPPUVANAM TALUK SIVAGANGA DT (T.N)

K. AMARNATH RAMAKRISHNA
SUPERINTENDING ARCHAEOLOGIST
ARCHAEOLOGICAL SURVEY OF INDIA
GUWAHATI CIRCLE
GUWAHATI

### **Background for the excavation**

- Among the habitation sites noticed during exploration, Keeladi strikes importance due to its vast area and proximity to the celebrated historic town of Madurai, the capital of Pandyas of Sangam period.
- Keeladi is the only intact habitation site as on date available near Madurai having ample scope for large scale scientific excavation.
- There is no space available to conduct excavation to know the cultural sequence of Madurai city due to rapid urban growth.
- Many of the habitation sites in the Vaigai river valley face threat of being destroyed due to rapid agricultural expansion and urbanization.

### **Background for the excavation**

- ➤ Many of the habitation sites in the Vaigai river valley face threat of being destroyed due to rapid agricultural expansion and urbanization
- Keeladi has potent archaeological wealth to provide crucial evidences to understand the cultural transformation of Iron Age to Early Historic period and further developments that took place in subsequent periods in Vaigai river valley
- ➤ The excavation at Keeladi is likely to provide evidences to understand the cultural development of ancient Madurai
- Will also help to understand the chronological events/ sequence of southern Tamil Nadu in particular

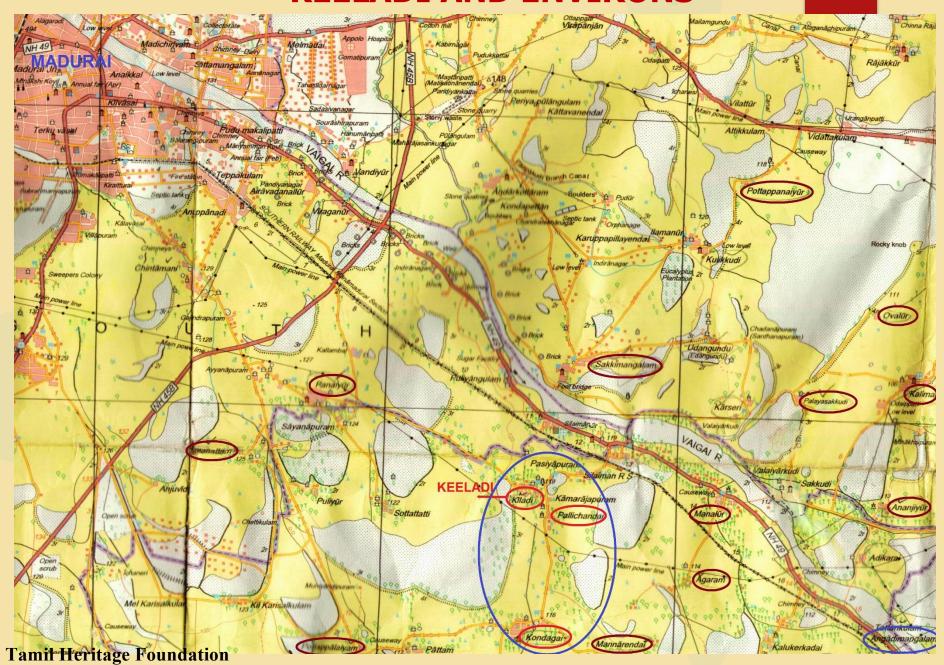
## **LOCATION**

- ➤ Keeladi (09° 51' 40" N, E 078° 11' 70" E) lies about 12 Kms south east of Madurai on the ancient highway (modern NH 49) leading to Ramesvaram via Tiruppuvanam.
- Strategically located on the south bank of river Vaigai and is surrounded by various historical places.
- ➤ Vaigai is one among the sacred rivers and the major life line for southern Tamil Nadu.
- > The actual site is located south east of present Keeladi village and west of Manalur lake (kanmay).

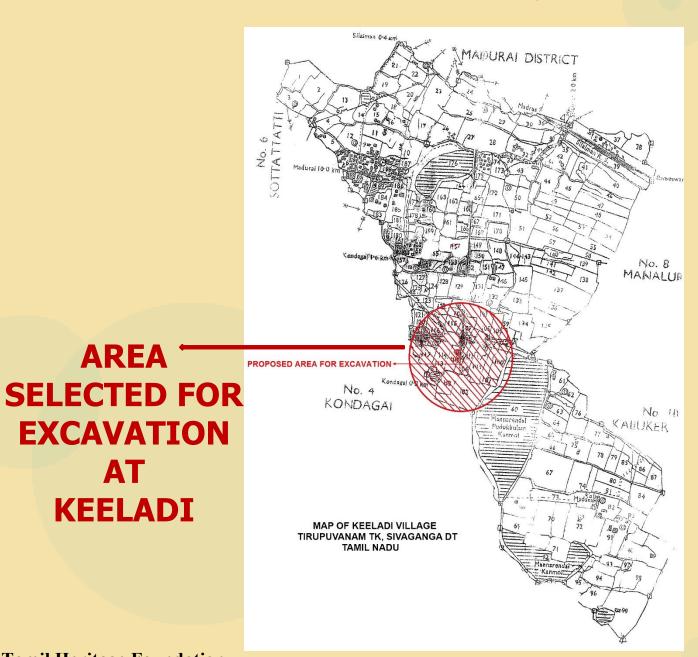
# **LOCATION OF THE SITE**



#### **KEELADI AND ENVIRONS**



### **KEELADI VILLAGE MAP**



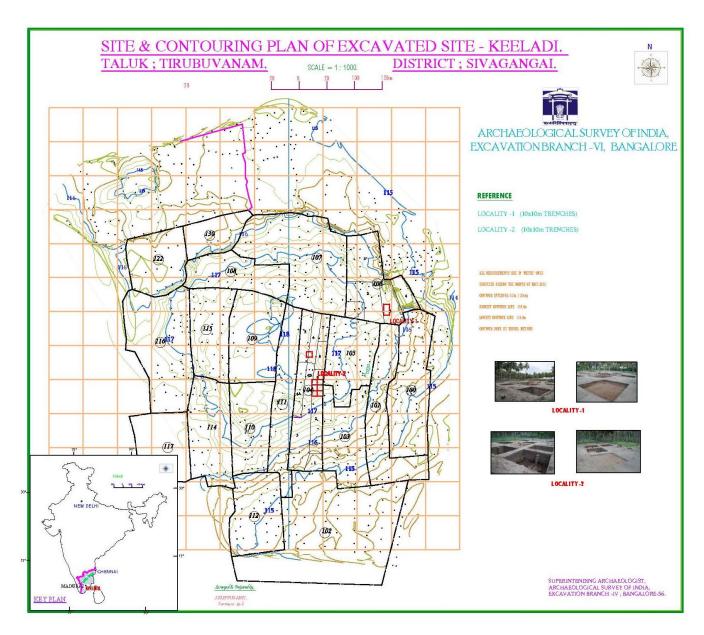
**Tamil Heritage Foundation** 

AREA T

AT

**KEELADI** 

#### **KEELADI CONTOUR MAP**



# **Historical Background**

- Except the below mentioned references no earlier references found
- ➤ During 13<sup>th</sup> cent. AD the whole area thrived as a Brahmin settlement well versed in four vedas called *Kuntidevi Chaturvedimangalam*, named after Pandyan queen. The present Kondagai is the corrupt form of the above.
- The inscriptions in the nearby Siva temple mentions that it was located in the territorial unit of 'Velur Kulakkizh'. The name Keeladi is derived for its location lying to the east of 'Kuntidevi Chaturvedimangalam'
- ➤ The Ayyanar temple near Siva temple contain many stone images datable to c. 12 13<sup>th</sup> cent. CE.
- The cultural continuity of the site is evinced by the finding of a stone slab inscription near the urn burial complex datable to

### IMPORTANCE OF THE SITE

- ➤ The impressive habitation mound at Keeladi is called as 'Pallichandai Thidal' or 'Mettupunjai' is located 1 km to the south east of present Keeladi village
- ➤ The mound is spread in an area of about **110 acres** with circumference of **4.5 km**
- The mound raising of about **2.88 meters** from the present ground level.
- ➤ In this area three localities namely 1 & 2 with extension of 2 were subjected to excavation during the first season.
- ➤ A total number of 43 quadrants were opened in the season 2014 – 15
- ➤ A total number of **59** quadrants were opened in the season **2015 16**



View of Excavated Trenches in Locality — 1 (2014 -15)



View of Excavated Trenches in Locality — 2 (2014 -15)
Tamil Heritage Foundation



View of Excavated Trenches in Locality – 2 (Extn)
Tamil Heritage Foundation (2014 – 15)

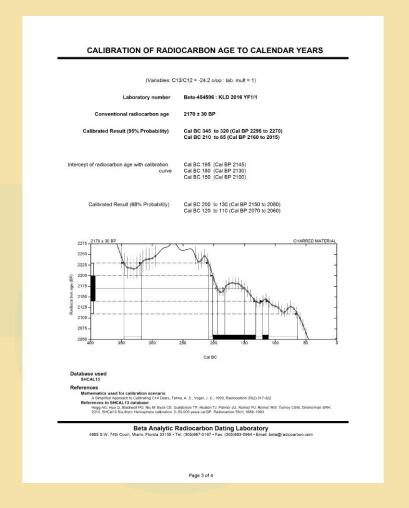
# **CULTURAL SEQUENCE**

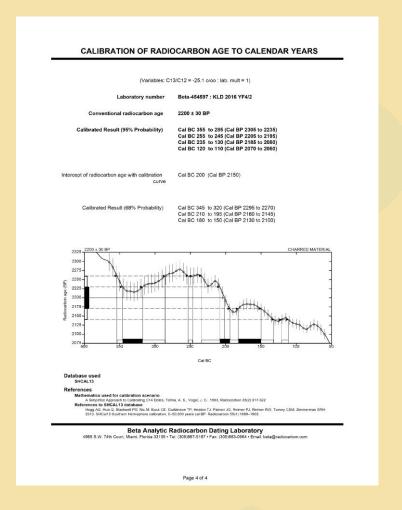
- ➤ In Locality 1 the cultural deposit measured up to 2.80 meters with six layers
- ➤ In Locality 2 the cultural deposit measured up to 4.50 meters with six layers
- ➤ In Locality 2 (extension) the cultural deposit measured up to 3.70 meters with six layers
- > Fine variety of Black and Red ware found at the lowest level
- ➤ Based on the archaeological evidences found at the Keeladi site tentatively dated from 3<sup>rd</sup> century B.C.E to 10<sup>th</sup>

### century C.E

### **SCIENTIFIC DATING**

### ➤ Carbon 14 dating 200 B.C.E







Stratification of Layers (Loc – 1) (2014 – 15)



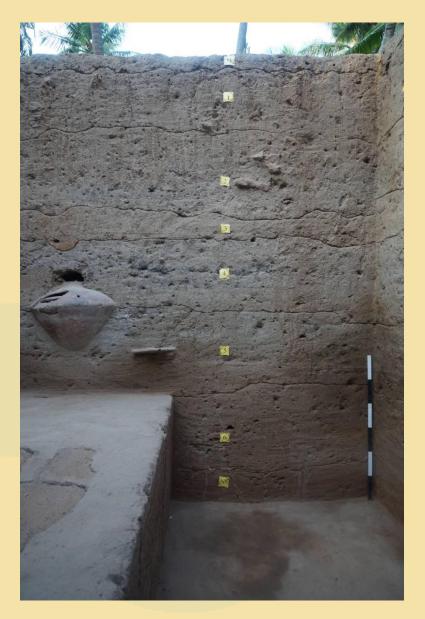
Stratification of Layers (Loc – 1) (2014 – 15)
Tamil Heritage Foundation



Stratification of Layers (Loc – 2) (2014 – 15)



Stratification of Layers Below Natural Soil (Loc - 2) (2014 - 15)





Stratification of Layers (Loc – 2 – Extn) (2014 – 15)

### IMPORTANCE OF THE SITE

- > Excavation revealed impressive structural activities of early historic period. The structures comprise of **brick walls**, **rectangular chamber**, **brick floor corridor** and **tanks**
- ➤ The size of the bricks measures L 36 x B 24 x T 7 cms & L 34 x B 23 x T 6 cms (Locality 2), L 33 x B 21 x T 5 cms (Locality 1) comparable with other early historic sites in Tamil Nadu
- The presence of large number of **handmade grooved tiles** suggests the existence of tiled roof above the structure
- > Two types of ring wells were found in Locality 2.
- ➤ The ring wells in lower most level were decorated and each ring measured 48 cms in height
- ➤ The ring well in upper level were plain and each measured 23 cms in height Tamil Heritage Foundation



Exposed brick structure - 1 (Loc-1) (2014 - 15)



Keeladi – Brick structure - 2 (Loc-1) (2014 – 15)



Keeladi – Brick structure - 2 (Loc-1) (2014 – 15)



**Keeladi – Exposed brick floor with ring well(Loc -2) (2014 – 15)** 



**Keeladi – Exposed brick wall with roof tiles in Loc -II (2014 – 15)** 



**Keeladi – Exposed brick flooring with parallel walls in Loc -II (2014 – 15)** 



Keeladi – Exposed Ring well (Loc-2) (2014 – 15)



**Keeladi** – Brick structure (Loc-2) (2014 – 15)



Keeladi –View of Exposed Structure (Loc- 2)
Tamil Heritage Foundation (2014 – 15)

# **ANTIQUITIES**

- ➤ Total number of antiquities 1800 Nos
- > Semiprecious stone beads Carnelian, Agate, & Chalcedony
- Quartz and Pearl beads
- ➤ Glass beads 800 Nos (various colours)
- Copper coins square & round
- Terracotta objects Figurines, beads, gamesmen, spindle whorl, disc, wheel
- Bone stylus or points
- Metal objects Iron spearheads & Copper Antimony rods
- > Ivory dice
- > Shell bangles
- Stone Quern & Pestles



Keeladi – Terracotta Figurines (2014 – 15)

Tamil Heritage Foundation



### Terracotta Beads (2014 – 15)

Semi precious stone beads (2014 – 15)

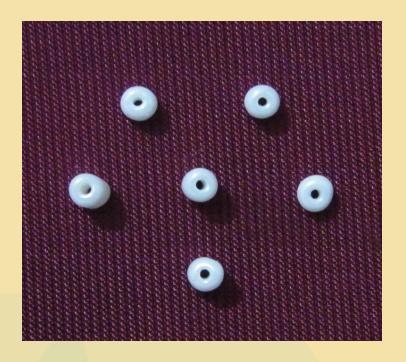




# **Semi precious stone beads**

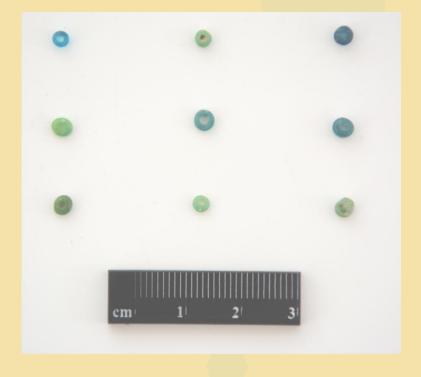
**Glass Beads** (2014 – 15)





### **Pearl Beads**

**Glass Beads** (2014 – 15)





Keeladi – Copper Objects (2014 – 15)



**Keeladi – Iron Objects** 



Keeladi – Bone Objects (2014 – 15)



**Keeladi – Shell bangles** 



Keeladi – Ivory Dice (2014 – 15)



Keeladi - Gamesmen



**Keeladi – TC Discs** (2014 – 15)



## **POTTERY**

- > 32 Tamil-Brahmi inscribed potsherds were found. The names of the individual include 'Thisan', 'Uthiran', 'Adhan', 'Iyanan', and 'Surama'.
- ➤ The Tamil-Brahmi inscribed potsherds are datable to 2<sup>nd</sup> century B.C.E to 1century C.E.
- ➤ Nearly 350 graffitti potsherd were found. The symbols include **Fish, boat, swastik, sun, arrow**, etc.
- ➤ The Ceramic assemblages include black and red ware, white painted black and red ware, black ware, red ware and Russet coated painted ware (Andhra or Satavahana ware)
- > the Roman potteries found at the site are **Arretine and**Roulletted ware and shows the commercial trade link.



**Keeladi – Tamil – Brahmi inscribed potsherd (2014 – 15)** 



Keeladi - Tamil - Brahmi inscribed potsherd (2014 - 15)



Keeladi - Tamil - Brahmi inscribed potsherd (2014 - 15)



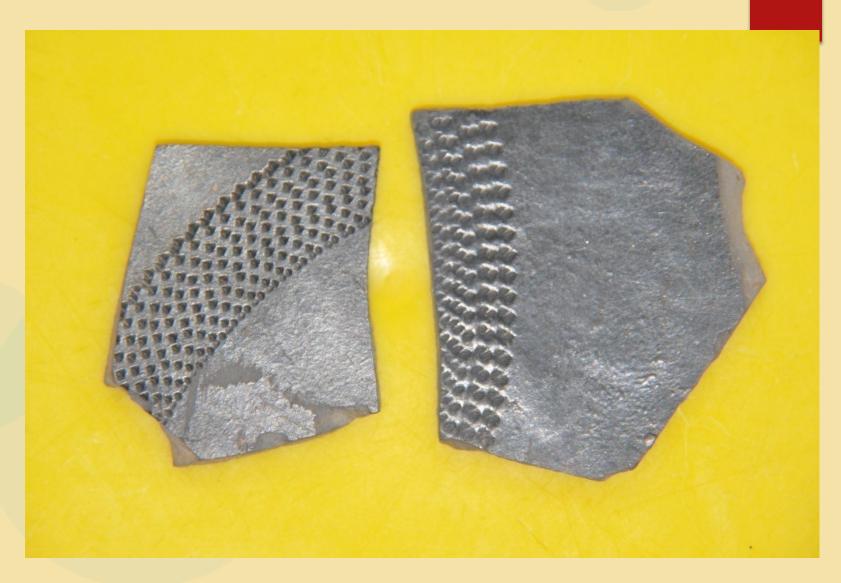
**Keeladi – Tamil – Brahmi inscribed potsherd (2014 – 15)** 







Potsherds with fish symbol (2014 – 15)



Keeladi – Roulette pot sherds (2014 – 15)
Tamil Heritage Foundation



Keeladi – Rusett coated pot sherd with graffitti (2014 – 15)



## **Russett coated painted ware**

White painted Black & red ware (2014 – 15)







Storage pot insitu (2014 – 15)



**Decorated storage pot** 



**Keeladi – Pottery Varieties** 

Keeladi – Insitu bowls (2014 – 15)





**Keeladi – Pottery Varieties** (2014 – 15)



**Tamil Heritage Foundation** 







**Keeladi – Pottery Varieties** (2014 – 15)

**Tamil Heritage Foundation** 

## **Associated burial site**



- Kondagai is the associated burial complex of this site as indicated by presence of urn burials
- Further excavations in the burial area shall reveal more details about its association with habitation



## Thank You

End of Part-II

Continue reading Part-III