

# **Inland Navigation Kerala**

Presented on 15 Feb 2010

# Organizational setup

```
graph TD; A[Organizational setup] --> B[Administration  
Coastal shipping and  
Inland Navigation  
Department]; A --> C[Implementation  
Irrigation  
Department];
```

## Administration

Coastal shipping and  
Inland Navigation  
Department

## Implementation

Irrigation  
Department

# Waterways of Kerala

- National waterway
  - Kollam – Kottappuram : 168 km
  - Champakkara and Udyogamandal canal : 37 km
  - **Total** : **205 km.**
- State waterway
  - Kovalam to Kollam : 74 km
  - Kottappuram to Neeleswaram : 349 km.
  - **State waterway total** : **423 km.**
- Feeder canals
  - Total length : 1097 km.

# Missing links in state waterway

- Vadakara – Mahe : 17.61 km
- Mahe – Thalasseri : 10.15 km
- Thalasseri – Anjarakkandi : 3.47 km.
- Anjarakkandi – Kattampally : 16.80 km.
- Total : 48.03 km

# **Main sources of funding for IWT Work**

- **Govt. of India funds**
- **State funds**
- **Deposit works for other departments**

# **Gol works**

- **Twelfth Finance commission awards**
  - **Allocation : 225 Crores**
  - **Plan period : April 2005 – March 2010**
  - **Nature of works proposed**
    - **Dredging and deepening of canal**
    - **Side protection works**
    - **Construction of jetties**
    - **Construction of foot bridges**

# TFC - Physical details

- **Works proposed for** : 186 km
- **Works completed** : 49 km
- **Works expected to be completed by 3/2010** : 137 km
- **Total** : 186 km.

# TFC Financial details

- **Total amount earmarked : 225 Crore**
- **Total expenditure till date : 46 Crore**
- **Works entrusted to PSUs : 136 Crore**
- **Anticipated by 31<sup>st</sup> March : 179 crore**
- **Total Expected : 225 crore**



# Bottlenecks

- **Delay in getting encumbrance free land**
- **Difficulties in eviction of encroachers**
- **Interruption by public, media and political parties**
- **Lack of interest from stake holders**

## Works entrusted to PSUs

- Varkala tunnel region
- Akkulam lake renovation
- Karipuzha canal in Kayamkulam
- PC canal in Thrissur District
- Dredging canal in Kannur area
- Seaport – airport connectivity
- Purchase of dredger
- Muziris heritage project in Kodungallur

# GoK works

- **Small works like**
  - bund protection works
  - Jetties
  - Foot bridges
  - Lock etc.
- **Average allocation per year: 10 crore**

# Deposit work by IWAI

## A. Side protection

- Entrusted to : Inland Navigation
- Nature of work entrusted : side protection of NW III in Chavara area
- Length of work allocated : 3.50 km
- Amount deposited : 205.4 Lakhs
- Year of deposit : 2006
- Reason  
: delay in dredging the canal by KMMML and IRE (both PSUs) and labour problems in execution.

# Arrangement of works

1. Arranged in 2 parts : 2.00 km and 1.50 km
2. So far arranged : 2261 m
3. Completed: 356 m
4. In progress: 1500 m
5. Why delayed : delay in dredging
6. As dredging was taken up in addition to side protection works, funds were found insufficient. Request for addl funds (99 lakhs).

## **B. Dredging at Ayiramthengu**

- Entrusted to : Mechanical wing
- Qty of dredging entrusted : 17600 m<sup>3</sup>
- Qty done : 14,180 m<sup>3</sup>
- Estimated cost : 19.60 lakhs
- Amount deposited : 9.80 lak (3/2007)

# **Schemes on anvil**

## **Proposal under 13<sup>th</sup> FC**

1. Vadakara – Mahe canal
2. Development of state waterway
3. Development of AVM canal
4. Development of feeder canals
5. Compensation for relocating fishing nets from NW III

# 1.Vadakara Mahe Canal

- The project was taken up for execution during 1963 with Gol funds
- Entire land for the stretch was acquired
- Gol has withdrawn the funds followed by the Indo- China war
- Further attempts by GoK for funds is yet to be materialized
- Latest estimate amount is Rs. 165 Crore.



## 2. Development of state waterway

- Total length of state waterway less NW III : 423 km
- Work arranged under TFC : 185 km.
- River and lake portion : 154 km
- Length to be developed : 84 km.
- Amount estimated : 335 crore.
- Area covered : Kovalam to Kollam, Ponnani to Vadakara

### 3. AVM Canal

- Anantha Victoria Marththandam canal (AVM)
- Location : Poovar in Trivandrum District to Kolachal in Tamil Nadu (towards south)
- Main arterial transportation route during the reign of Travancore Kings
- Proposal : Connect Kovalam to Poovar and then to Kolachal
- Length: 42 km.
- Amount : 282 crore
- Present stage: Investigation is being arranged

# 4. Development of Feeder canals

- Area of work proposed :  
Kottayam, Alappuzha and  
Ernakulam Districts
- Length of feeder canals : 1097 km.
- Length covered : 419 km
- Balance to be developed : 678 km.
- Amount estimated : 340 Crore

# 5. Relocation of fishing nets

- Requirement : to relocate the stake nets and Chinese fishing nets protruding into NW III.
- Amount required : 9.00 crore
- Compensation per stake net : 0.50 lakhs
- Compensation per Chinese net : 1.00 lakhs

# Abstract

- Vadakara – Mahe canal : 165
- Development of state waterway : 335
- Development of AVM canal : 282
- Development of feeder canals : 340
- Relocating fishing nets from NW III : 9
- **Total amount in Crores : 1131**

# Conclusion

- Extension of NW III from Kottappuram to Neeleswaram is requested
- Funding for connectivity of Kovalam and Kolachal (AVM canal) is requested
- Funds for taking up missing links (48km) is requested