Inland Navigation
Kerala

Presented on 15 Feb 2010
Organizational setup

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 31st 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 KMML 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 m³
- Qty done: 14,180 m³
- Estimated cost: 19.60 lakhs
Schemes on anvil
Proposal under 13th 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 GoI funds
• Entire land for the stretch was acquired
• GoI 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