

Guidelines on New Research Studies on Port and Inland Water Transport Sector

The Research Committee of the Ministry was originally constituted in the year 1976 to consider the research proposals of Ports, Shipping, ship building & Ship repairs and Inland Water Transport. The Research Committee was reconstituted in years 1978 & 2001 and recently in the year 2005.

1. FUNCTIONS

- a) Identification of broad areas in which research is to be undertaken.
- b) Scrutiny of schemes proposed and screening of requests for funds.
- c) Scrutiny of proposals for acquisition of capital equipment and regulation of funds.
- d) Monitoring and evaluation of schemes.
- e) Advice on method of dissemination of results of studies undertaken.
- f) And all other issues relating to research pertaining to Ports, Shipping and IWT.

2. METHODOLOGY:

The Research Committee discusses the proposals received from research institutions and approves the proposals subject to availability of funds if:-

- i) The proposal comes under thrust areas.
- ii) The study should not be of basis research.
- iii) It should be a common problem of ports, shipping etc. instead of specific problem of an organization.

Development Wing is assisting the Research Committee in processing the proposal for sanction, release of funds, monitoring the progress, processing to time cost over run if any etc.

3. THRUST AREAS

A. PORT SECTOR

- i. Generation of basic data for the coastal area in India
- ii. Erosion and siltation
- iii. Pollution control and Abatement

- iv. Designs of Coastal Structures
- v. New materials for Construction and use in Ports and Harbours
- vi. Off shore Structures including floating break waters.

B. SHIP BUILDING AND SHIPPING SECTOR

- i. Energy Conservation on Board ships
- ii. Noise and Vibration Control of ships
- iii. Development of maritime communication System
- iv. Hull Design of country boats

C. IWT Section

- i. River Engineering: Physical and mathematical modeling of River behaviour.
- ii. Hydraulic and Hydrographic data and Data base management. Computer aided base management.
- iii. Different types of berthing structures-Development of standard designs.
- iv. IWT Vessels-Design of standard vessels and performance prediction, Navigation aids.

The above thrust area can be extended to cover the changing needs of research work.

4. COMPOSITION OF RESEARCH COMMITTEE

Sl. No.	Designation	Ministry / Department	Capacity
1.	Additional Secretary & Financial Adviser	Ministry of Shipping	Chairman
2.	Joint Secretary (Ports)	Ministry of Shipping	Member
3.	Joint Secretary (Shipping)	Ministry of Shipping	Member
4.	Development Adviser (Ports)	Ministry of Shipping	Member
5.	Director	C.W.P.R.S. Ministry of Water Resource, Pune	Member
6.	Adviser	Department of Science & Technology	Member
7.	Member (Technical)	Inland Waterways authority of India	Member
8.	Representative	Planning Commission	Member
9.	Representative	D.G. (Shipping)	Member

10.	Chief Hydraulic Engineer	Kandla Port Trust	Member
11.	Representative	NSDRC, Visakhapatnam	Member
12.	Representative	NIOT, Department of Ocean Development	Member
13.	Representative	Director General of Lighthouses & Lightships	Member
14.	Chief Hydraulic Engineer	Kolkata Port Trust	Member
15.	Chief Engineer	Chennai Port Trust	Member
16.	Chief Mechanical Engineer	Mumbai Port Trust	Member
17.	Director (Engineering)	Ministry of Shipping	Member - Secretary