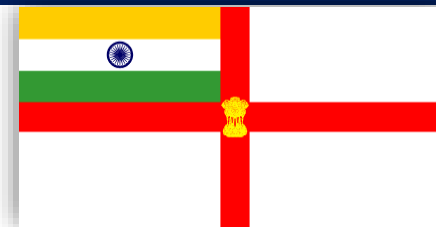




# INDIAN NAVY



## **International Training on Hydrographic Survey**

***'Knowledge Begets Precision'***

**Conducted by: National Institute of Hydrography, Goa  
HQ Southern Naval Command, Kochi**

The background of the slide is a map of India, showing the coastline and some internal features. The word 'INDIA' is written in large, spaced-out letters across the top half of the map. A thick blue border is drawn around the entire slide, with a cross-like shape at the corners.

## **TRAINING ORGANISATION**

**The Institute is headed by an Officer-in-Charge of the rank of Commodore/ Captain who is assisted by a Chief Instructor being the head of the training department comprising of four faculties.**

**The Training Cell (TC), the Training Design and Evaluation Cell (TDEC) and the Controller of Examination (CoE) are the other significant arms of the training department. These arms ensure the smooth functioning of the Institute by closely monitoring training activities, currency of various syllabi, evaluating the training parameters, monitoring effectiveness of training imparted and conduct of examinations.**

## **TRAINING FACULTIES**

**The Institute has Four (04) major faculties imparting training in Hydrography which are :-**

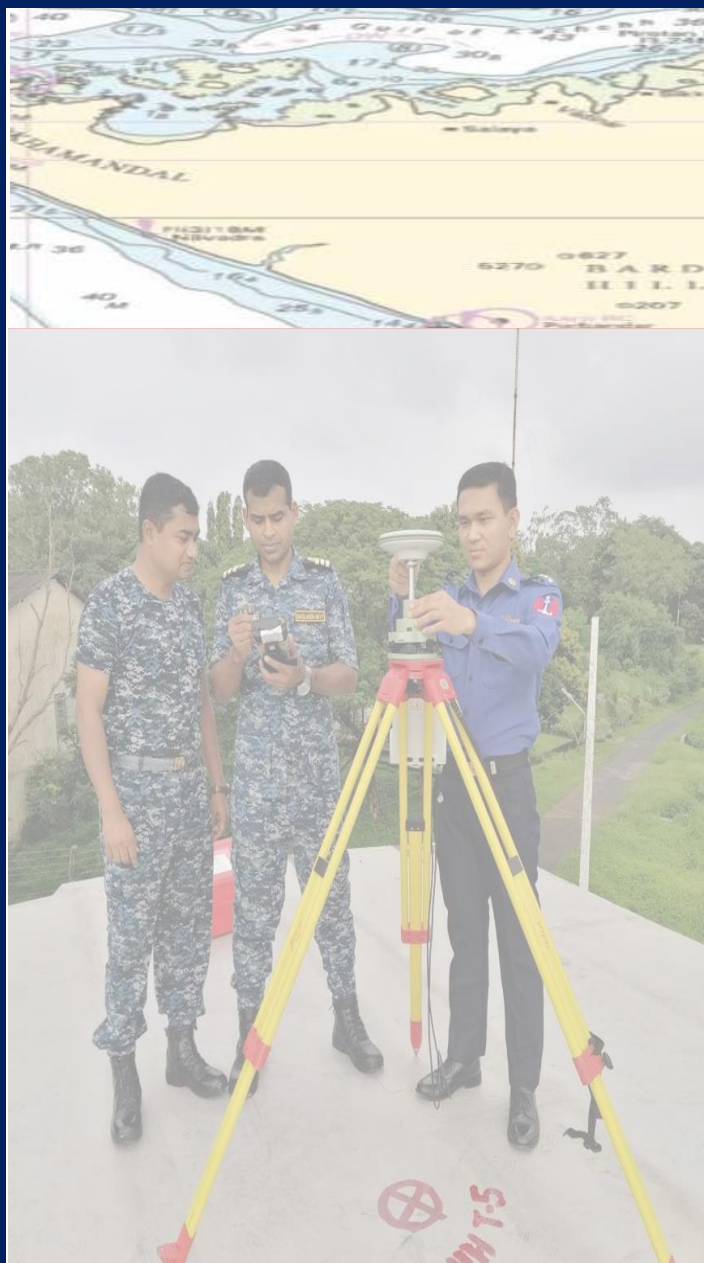
**Faculty of Hydrographic Control – Geodetic aspects of Surveying**

**Faculty of Hydrographic Practice – Survey Equipment and Operations**

**Faculty of Ancillary Hydrography – Environmental aspects, Tides and Oceanography**

**Faculty of Technical Orientation – Laboratories**

**The Institute boasts of a modern Electronic Equipment Lab, a Computer Bay equipped with a training LAN, Digital Survey Processing Systems, a Modern auditorium, well furnished class rooms with audio visual aids and a well stocked Library. The Institute provides air conditioned accommodation for the International trainees. The Survey Motor Boats (SMBs) available are fully equipped with surveying equipment and Multibeam swath sounding systems are the main stay of practical training.**



## **MAJOR COURSES**

### **OFFICERS (One course per Year)**

- **Basic 'Hydrography' Course (IHO Cat 'B')**  
Entry Level – Graduate Degree in Mathematics and /or Physics/  
B.E./ B.Tech with Watch Keeping Certificate
- **Long 'Hydrography' Course (IHO Cat 'A')**  
Entry Level – Basic 'H' or Equivalent Cat 'B' course + 2½ Years  
Field Experience.

### **SAILORS (Two Courses per Year)**

- **Basic 'Qualifying' Hydrography Course**  
Entry Level – The qualification required for this course is 10+2  
or its equivalent with Physics and Mathematics
- **Leading Seaman 'Qualifying' Hydrography Course**  
Mid Level – This course is conducted after 2 to 3 years of  
exposure to Hydrographic Surveying and sea experience.
- **Petty Officer 'Q' Hydrography Course**  
Highest Level – This course is designed for advanced  
professional training of sailors. The prerequisite is 7 years of  
experience in Hydrographic Surveying after Basic 'Q' course.



## **AFFILIATIONS & ACCREDITATIONS**

The Institute enjoys the distinction of being the first of its kind in the region and hence was recognised by IHO as the Regional Training Centre for South, South East Asian and African nations. Presently, both the Cat 'A' and Cat 'B' courses are certified by IHO/FIG/ICA and in addition the Cat 'A' course and Cat 'B' course are also affiliated with Goa University for award of Masters of Science Degree and Post Graduate Diploma/ Certificate in Hydrography, as applicable.

<b><u>COURSE</u></b>	<b><u>INSTITUTION</u></b>	<b><u>CERTIFICATION</u></b>
<b>Long Hydrography Course</b>	<b>IHO/ FIG/ ICA</b>	<b>Category 'A' Hydrographic Survey, S-5A (Edition 1.0.2)</b>
	<b>Goa University</b>	<b>MSc (Hydrography) or Post Graduate Diploma</b>
<b>Basic Hydrography Course</b>	<b>IHO/ FIG/ ICA</b>	<b>Category 'B' Hydrographic Survey, S-5B (Edition 1.0.1)</b>
	<b>Goa University</b>	<b>Post Graduate Certificate (Hydrography)</b>
<b>Petty Officer Qualifying Course</b>	<b>Cochin University of Science and Technology</b>	<b>Diploma (Hydrographic Survey)</b>

In order to provide wide spectrum of exposure to the Cat 'A' course during its professional training phase the trainees are attached with the National Institute of Oceanography (NIO) at Goa, School of Naval Meteorology and Oceanology at Kochi and the National Hydrographic Office (NHO), Indian Institute of Remote Sensing (IIRS), Survey Of India (SOI) all at Dehradun, India. This not only provides them with a strong base in Hydrography but also facilitates an insight into other interdisciplinary subjects related to the hydrographic field.

## **OTHER FACILITIES**

The Institute being an Indian Naval Establishment, boasts of various sporting facilities which includes a sailing club with enterprise class boats and wind surfers, swimming pool with a health club attached and tennis/ squash courts all within 4 kms of its premises. The Institute also has football, volleyball and basketball adjacent to it. A well equipped Gymnasium is also available for fitness enthusiasts in the Institute.



**‘Training Input = Fleet Output’**

For more information on international training, please visit  
<https://www.indianavy.nic.in/content/foreign-training>