

**Government of India
Central Institute of Fisheries, Nautical & Engineering Training
(CIFNET)**

PROSPECTUS

**VESSEL NAVIGATOR COURSE (VNC)
&
MARINE FITTER COURSE (MFC)**

CIFNET

Central Institute of Fisheries, Nautical & Engineering Training (CIFNET), erstwhile Central Institute of Fisheries Operatives (CIFO), was established in 1963 at Kochi to meet the trained manpower needs of ocean going fishing vessels and that of fishing industry, by the Govt. of India. Subsequently two units of CIFNET were established, at Chennai, Visakhapatnam in 1968 and 1981 respectively, for meeting the additional requirement of manpower necessitated by the expansion of marine fishing industry with large number of fishing vessels in their fleet. The name was later upgraded consistent with its functions as 'Central Institute of Fisheries Nautical & Engineering Training' (CIFNET). CIFNET is the only national institute of its kind in the country to meet the training requirements of technical and certified personnel such as Skippers, Mates, Engineers, Engine Drivers of ocean-going fishing vessels as stipulated in the Merchant Shipping (Amendment) Act. 1987. CIFNET is also responsible for developing the required technical manpower for supporting shore establishments.

The key objectives of the Institute are:

- To create technical manpower for the operation of Ocean going fishing vessels
- To create trained manpower to manage fishery establishments
- To provide training for technical teachers of Maritime States and Union Territories for manning their fishermen training centres
- To assist developing nations in the South-east Asia, Middle-east and African regions to create technical manpower for development of Marine Fisheries sector
- To provide technical consultancy service in all its related matters with special reference to technical manpower requirements.

FACILITIES

Infrastructure

The Institute has well developed permanent infrastructure facilities at its three centres which houses the class rooms, laboratories, workshop, Nautical-Chart practice hall, Simulator (ERS&N) centre, Craft & Gear practical, Library, Hostel, Recreation and other amenities.

CIFNET at its Headquarter at Kochi and its Units at Chennai & Visakhapatnam have well equipped facilities for imparting training and other related activities of the Institute.

Training Vessels

A detailed study of Nautical and Fishing Sciences is the core objective of the programme which requires sea exposure. For providing adequate sea training as per the curriculum, the institute has three ocean-going fishery training vessels based one at each centre. The overall length of the vessels ranges from 28 to 34 metres with Horse Power ranging from 600 to 750 BHP.

Departments

Each one of our Institutes at the above centres have the following Departments:-

Department of Fisheries Technology

The Department has ultra modern infrastructure for fishing gear repairs, fabrication and training. The Department imparts theoretical and practical classes on Fishing gear materials and design, Fishing technique, Fishery Biology, Deck Equipments etc. Fabrication, repairs and maintenance of fishing gears required for the training vessels of the

Institute is also undertaken by this department. This Department is also equipped with a fishing gear and fishery biology laboratory.

Department of Nautical Science

The Department of Nautical Science has well equipped facilities at all the three centres of CIFNET for imparting theoretical as well as practical training in Seamanship, Navigation, Marine Meteorology and Oceanography. It has excellent visual aids for onshore training. The Department is also equipped with modern navigational equipments and has a spacious navigation hall for conducting chart practical and passage planning.

Department of Marine Engineering

Division comprises of various disciplines of engineering such as Marine Engines, Marine Auxiliaries, Electrical, Electronics, Computer Application, Fishing Craft Technology, Refrigeration and Hydraulics. Well established Workshop and Laboratories on the above disciplines are available with the institute to impart a systematic practical training to the students during their course of study.

Marine Engineering Workshop

A well-equipped workshop is available for maintenance and repairs of the training vessels of the Institute. It also provides practical training with the special emphasis on machining, welding, smithy, fitting, carpentry and IC engine refitting.

Training Section

Training section of the Institute coordinates all the training activities of the Institute. Selection of candidates by conducting entrance examinations, interviews, curriculum development, planning, programming and conducting various training courses are dealt by the section. It is also providing employment guidance for the post-institutional trainees.

Library

The Institute library is adequately equipped with technical-scientific books and reputed journals on Nautical Science, Marine Engineering, Fishing Craft Technology, Fishing Gear Technology, Workshop Technology, Electrical Technology, Electronics, Computer Science, Fishery Biology, Fish handling, Marine Meteorology, Oceanography, Refrigeration, Hydraulics etc. at its three centres.

Courses offered

Regular Courses & Ancillary courses

The Institute has been conducting two trade courses viz. Vessel Navigator & Marine Fitter Course of 2 years duration, which is formulated under Craftman Training scheme of NCVT, New Delhi since 2006. These two trades are started with the view of producing practical Trades man in the Marine Sector and manpower for the Deck side and Engine side of the fishing vessel. The successful candidates, after obtaining requisite sea service will become competent to appear the respective competency examinations conducted by the Mercantile Marine Department, Director General of Shipping, Ministry of Shipping, Govt. of India.

In addition, the Institute is also conducting ancillary courses viz. Shore Mechanic Course (12 months), Advanced Diploma in Fishing Gear Technology (12 months) and Fishery Teacher Training Course (6 months) for the benefit of personnel who are managing the shore establishments of the Fisheries Organisations.

Statutory Courses

A Number of preparatory courses such as Elementary Fishing Technology Course, Advanced Fishing Technology Course and Radar Observers Course, are mandatory for obtaining the competency certificates issued by MMD, D.G. Shipping. CIFNET is the sole agency in India approved by the DG Shipping for the conduct of Elementary Fishing Technology and Advanced Fishing Technology courses.

Refresher Courses for examination

Preparatory coaching classes are essential for the candidates appearing for Competency examinations to update their knowledge. CIFNET organises refresher training courses for Mate Fishing Vessel Examination, Engine Driver Fishing Vessel Examination, Skipper Gr. II Examination, Engineer Fishing Vessel Examination to enable the candidates to face the examination with confidence and courage.

Training for foreign nationals

The Institute also arranges Special training programmes for Foreign Nationals from countries like Nigeria, Zambia, Tanzania, Ghana, PDR Yemen, Myanmar, Laos, Sri Lanka, Bangladesh, Maldives, Philippines etc. under various schemes like FAO Fellowship, CFTC, SCAAP, ESCAP, ITEC, Colombo Plan etc. Thus over the years the Institute came out as a nodal Institution in the South-east Asia for training the personnel of the fishing fleet and offering Special training in Nautical, Fisheries and Engineering disciplines.

Short term Training programmes

The Institute's facilities in the field of Nautical, Fisheries and Engineering Technology are utilised for tailor-made short term courses for the specific requirement of the participants as categorised here under.

- Short term and extension training programmes for Fishermen
- Tailor made programmes conducted for sister organisations
- Refresher courses for serving officials of fishery organisations
- Orientation courses for new entrants of fishery and financial institutions
- Refresher courses for college faculties
- Short term courses for graduate, post graduate students of Fishery colleges, B.Tech. and M.Tech. students of Engineering colleges.

The Technical expertise, training and infrastructure facilities of CIFNET are being utilised to the optimum level by conducting various short term training programmes for the students fraternity during last few years. The ITI / ITC, Graduates, Post Graduates students and students of the Engineering Colleges had the opportunity to attend these specially designed sandwich programmes and were able to absorb gainful practical knowledge.

• For Under Graduates/Post Graduate students of Fishery colleges

- Fisheries Technology
- Fishery Biology
- Refrigeration & Equipment Engineering
- Fishing Vessel Engineering
- Seamanship & Navigation
- Oceanography & Meteorology

• For M.Tech. / B.Tech Students

- Marine Diesel Engine and associated system
- Marine Engineering
- Marine Refrigeration
- Marine Electro Technology
- Power Generation and Distribution onboard ships
- Marine Electronic equipments and Power supplies

Vessel Navigator Course (VNC) and Marine Fitter Course (MFC)

The Vessel Navigator and Marine Fitter courses are two new trade courses started by NCVT under Craftsman Training Scheme by DGET, Ministry of Labour, New Delhi. These two courses are started with a view of producing practical tradesman in the Marine sector and manpower for the deck side and engine side of the fishing vessels. These courses are of two years duration.

CIFNET has been approved by DGET, Ministry of Labour for starting of the trades. These courses were started for the first time in India in CIFNET. The courses are of residential nature.

On successful completion of the above courses they will be gaining Academic and practical experience in the specialized subjects like Navigation, Marine Engineering so that they will be able to get wider opening at the shore establishments, fishing vessels, marine crafts etc.

VESSEL NAVIGATOR COURSE	
Theory	Practical & Viva voce
1. General English	
2. Applied Mathematics	
3. Fishing Gear Material, Accessories and Design	Practical
4. Seamanship, Safety and Watch Keeping	12. Chart Work
5. Elementary Marine Engineering	13. Fishing Gear
6. Social Studies	Viva Voce
7. Naval Architecture & Ship Construction	14. Seamanship and Navigation
8. Fishing Technique	15. Fishing Gear Technology
9. Marine Fisheries, Fish Processing & Fish Finding Equipments	16. Onboard Training- Navigational aspects and Fisheries
10. Practical Navigation	Report
11. Marine Meteorology & Basic Principles of Oceanography	17. Report on Onboard Training- Navigational Aspects and Fisheries

MARINE FITTER COURSE	
Theory	Practical & Viva voce
1. General English	
2. Applied Mathematics	
3. Marine Engines	
4. Workshop Technology	16. Workshop Practical - I
5. Engineering Drawing	17. Workshop Practical and Viva Voce – II
6. Marine Electrical Technology	18. Onboard Practical on all Engg. System Operation & Maintenance
7. Basic Electronics & Instrumentation	Report
8. Social Studies	19. Onboard Training –
9. General Engineering Knowledge	Operation, Trouble-shooting & Maintenance of Marine
10. Naval Architecture and Ship Construction	Engines, Auxiliaries and
11. Machine Drawing	Other Machineries & Equipments
12. Hydraulics and Deck Machineries	
13. Fishing Technology	
14. Seamanship and Navigation	
15. Heat Engines and Refrigeration	

Mode of study

Theory:- The theory papers are handled by well experienced faculties of the Institute who have proven practical track records in their field of study. The classes are handled with modern teaching aids like Multi-media, Internet, Overhead projectors, live models etc.

Practical:- The curriculum gives special emphasis on practical aspects in Nautical science, Fishery Biology, Fishing Craft Technology, Fishing Gear etc. Practical exposures are given to the students in the well established laboratories.

On-board training:- The onboard practical training is an opportunity to students to get acquainted with the operation and maintenance of the vessel which is the unique nature of this course.

Method of Evaluation

Observation of progress record : I & II terminal/ Model examinations
 Final Examination : All India Trade Test will be conducted by the NCVT.
 Certificate to be awarded : After the successful completion of the course Certificate will be awarded by NCVT.
 Minimum Attendance : 90%

Career profile

After successful completion of the two years trade courses, the candidates will be able to choose their career on board fishing vessel or shore establishments dealing with Fishing gear manufacturing, Maintenance and shore Workshops.

No. of Seats

Course	No. of seats			Remarks
	Kochi	Chennai	Visakha- patnam	
Vessel Navigator	16	16	16	15% of seats are reserved for Scheduled Caste and
Marine Fitter	16	16	16	7 ½% for Scheduled Tribe candidates.

* The candidates who do not pass in atleast one subject/paper of the I Terminal examination held at the end of first year, will not be eligible to get the stipend during second year till completion of training..

Mode of selection

Through Entrance Examination which will be conducted by CIFNET at Kochi, Chennai, Visakhapatnam, Kolkatta, Delhi, Bhubaneswar and Mumbai.

Eligibility Criteria

Entry : Pass in 10th Standard or equivalent examination with 50% marks in Maths and Science. Attested copy of mark list of 10th Std. or equivalent examination should be enclosed with application even if candidate possesses higher qualification. The candidates who are appearing 10th examination during March 2012 are also eligible to apply. However the selection will be made only through marks obtained in 10th and entrance examination.

Age limit : 16 to 20 years as on 1st August, 2012. Upper age limit relaxable to Scheduled Caste/Scheduled Tribe candidates by 5 years. Attested copy of Age/Date of birth certificate is to be enclosed with the application. SC/ST candidates who claim relaxation of age should submit along with the application, attested copy of community certificate from REVENUE Authorities specifying that they belong to Scheduled Caste/ Scheduled Tribe, failing which age relaxation will not be granted. There is no age limit when employed candidates are sponsored for training. However no relaxation in educational qualification is granted to the sponsored candidates also.

- Physical Fitness** : Candidates should be physically fit for strenuous work on board fishing vessels.
- Vision** : In the case of Vessel Navigator Course, the candidates should pass the prescribed eye test conducted by Approved Doctors of DG Shipping, before admission.
- Stipend** : Rs.700/- per month (for open selection candidates only) on submission of Surety Bond for Rs.10,000/- at the time of admission.
- Medium of instruction** : English
- Uniform** : Uniform for theoretical and practical classes are compulsory. All trainees are directed to purchase the uniforms after joining the institute to avoid colour shade differences.

Hostel Facilities

The course is residential. The students will be provided Hostel facility within the campus.

Fee structure for 1st Year

Details	Amount Rs.	Remarks
Tuition fee	720	@ Rs.60/- per month
Caution Deposit	1,500	
Sports fee	300	@ Rs.25/- per month

Magazine fee	150	Annually
Council fee	15	
Hostel Rent	1800	@ Rs.150/- per month
Hostel Mess Deposit	2,000	
Vessel Mess Deposit	1,800	Annually
Study tour Deposit	1,500	
Computer & internet facility	300	
Total	10,085	

1. *Mess Dues will be payable on monthly basis.*
2. *Examination fee is payable before Trade examinations as per DGET norms.*
3. *Fee for the second year has to be paid at the beginning of the year.*
4. *If the fees are not paid within the stipulated dates, the trainees have to remit the fees with fines / super fines as the case may be.*

Entrance Examination

The Entrance Examination will be conducted in English at **Kochi/Chennai/Visakhapatnam/kolkatta/Delhi/Bhubaneswar/ Mumbai** from **10.00 to 12.00hrs.** on **24.06.2012** (tentative date). All eligible candidates who submit proper applications in time will be called for Entrance Examination. If eligible candidates do not get the Hall tickets by **17.06.2012** they may contact CIFNET office at Kochi/Chennai/Visakhapatnam and also refer institutes web site to get the latest information.

Entrance examination will be of Objective type, which covers the topics of **Maths, science subjects** and **English language**

How to apply

The filled applications (in the prescribed forms) along with the attested copies of certificates in respect of qualification, including mark list of SSLC / 10th Standard Examination, Age, Experience (if any) and Community Certificate (in the case of SC/ST Candidates) and two self addressed (Unstamped) envelopes of size 25cms x 11cms. should reach the Director, Central Institute of Fisheries, Nautical & Engineering Training, Post Box No.1724, Fine Arts Avenue, Kochi-682016 on or before **21.05.2012**. Applications which are received late/incomplete/without age certificate/SSLC Mark List/Community Certificate (for SC/ST only)/not in the prescribed forms, will not be considered.

Guidelines for filling up the Application form

1. Illegible/wrong/filling with over writing, incomplete filling up will lead to Rejection of the application for which the applicant alone shall be responsible.
2. Information provided in the forms will be treated as final and no request for correction, alteration, addition etc. will be entertained.
3. Fill up only in English using the Capital letters
4. Write only one character in one box
5. Leave one box blank between words.
6. Use a coma to separate letters or group of words
7. Use only Black Ball point pen

Downloaded application duly filled may be sent with application fee of Rs.300/- (for General) & Rs. 150/- (for SC/ ST candidates) through demand draft drawn in favour of 'Senior Administrative Officer, CIFNET' payable at Kochi - 16

Following item-wise instruction may be read carefully before filling up the application.

Item No.A: Write for Vessel Navigator& for Marine Fitter.

Item No.B: Write for Open & for Sponsorship.

Item No.C:

Exam Centre	Code	Exam Centre	Code
Kochi	01	Delhi	05
Chennai	02	Bhubaneswar	06
Viskhapatnam	03	Bombay	07
Kolkatta	04		

Item No.1: Write full name as in 10th standard certificate. Initials have to be written after the name leaving one box blank.

Item No.2: The complete address for the communication may be indicated with phone number. Please note that all correspondence will be addressed to the above address during the course of study.

Item No.3: Enter your Date of birth in Christian Era in the order of Day – Month – Year.

Item No.4: Write for SC; for ST; for Fishermen community or for any other community.

Item No.5: Write name of your Father/Guardian with initials.

Item No.6: The details of total marks obtained and percentage for 10th or equivalent and subsequent examinations passed may be filled.

Item No.7: Write details of training/experience obtained in fishing, if any.

Item No.8: Tick mark the language proficiency.

Item No.9: Fill in physical measurements.

Filled in applications shall be sent to:

**The Director,
CIFNET,
Fine Arts Avenue,
Ernakulam, Kochi – 682 016**

CIFNET ADDRESSES FOR COMMUNICATION

HQ - KOCHI

Central Institute of Fisheries, Nautical & Engineering
Training (CIFNET),
Fine Arts Avenue, Kochi – 682 016, India.
Ph: 0484-2351610, 2351493, 2351790.
Fax: 0484-2370879 E-Mail: cifnet@nic.in,
cifnethq@yahoo.com Website: www.cifnet.gov.in

UNIT - CHENNAI

Central Institute of Fisheries, Nautical & Engineering
Training (CIFNET), No. 59
S.N. Street, Royapuram, Chennai – 600 013.
Ph: 044-25952691, 25952692 Fax: 044-25951785.

UNIT - VISAKHAPATNAM

Central Institute of Fisheries, Nautical & Engineering
Training (CIFNET),
Post Bo No.191, Beach Road,
Visakhapatnam – 530 001.
Ph: 0891-2563894 Fax: 0891-2566787.