



IHB File No.TA-006-1

CIRCULAR LETTER 25/2009
17 April 2009

HYDROGRAPHIC COURSES AT THE PAKISTAN NAVY
HYDROGRAPHIC SCHOOL, KARACHI
(2009 - 2010)

(Courses endorsed by the Chairman, ROPME Sea Area Hydrographic Commission)

Dear Hydrographer,

1. To enhance regional cooperation in the field of Hydrography, the Pakistan Navy Hydrographic Department (PNHD) has decided to hold training courses for Officers, CPOs/Sailors and Civilians. The courses will be conducted at the Pakistan Navy Hydrographic School and are designed to cover the requirements for the efficient planning and conducting of hydrographic surveys. The students will acquire the necessary skills to enable them to be a productive member of a survey team.
2. The Hydrographer of Pakistan (as ROPME Chairman) has now informed the IHB, on behalf of the Government of Pakistan, about the following Hydrographic Courses at the PN Hydrographic School, Karachi in 2009 - 2010 for Gulf countries (1 place per country) on a free tuition basis:

<u>S.No.</u>	<u>Course Name (Officers)</u>	<u>Duration</u>
a.	Basic Cartographic Course (Officers) (7 September to 10 October 2009)	5 Weeks
	<u>Course Name (CPOs/ Sailors)</u>	
b.	Chief Survey Artificer (CSA) Course (8 November 2009 to 4 December 2009)	4 Weeks
c.	Advanced Professional (SA IV) Course (9 November 2009 to 13 February 2010)	14 Weeks

3. It may be noted that, if requested, the courses are also open to other countries on payment. The ROPME Sea Area Hydrographic Commission countries can also have additional places on payment. Availability of these courses to other countries on a free tuition basis will be considered in subsequent years depending upon response and available capacity. Tuition fees for the course are US\$400 per week for Officers and US\$200 per week for other ranks/civilian candidates. In addition, charges towards messing, laundry and other personal incidentals will be payable by the candidates as per actual. A rebate of up to 50% may be available on tuition fees.
4. The courses will commence according to the above schedule and will comprise theoretical lessons, practical exercises and on-the-job training / visits to various Hydrographic / Oceanographic facilities and field surveys onboard a Hydrographic Survey Vessel of Pakistan.
5. Eight places for male students from the Gulf countries of the ROPME Sea Area Hydrographic Commission littoral region will be considered for financing by the Government of Pakistan on a free tuition basis. However, allocation of slots under the free tuition basis (1 each) will be solely at the discretion of the Government of Pakistan.

6. Interested Governments / authorities responsible for hydrography should forward their nominations through the Embassy of Pakistan in their country to the following addresses, using the form provided in Annex 1 :

a. Military candidates:

Director General Joint Staff
Joint Staff Headquarters
Training Directorate (Trg - 1 Sec)
Chaklala
RAWALPINDI
PAKISTAN
Tel: +92 -51-5097072
Fax: +92 -51-9280277

b. A copy of the Military Candidate's application should also be endorsed to the following: -

(1) The Hydrographer
Hydrographic Department
Naval Headquarters
11, Liaquat Barracks
KARACHI - 75530
PAKISTAN
Tel: +92 21 56636151-5
Fax : +92 21 9201623

(2) Director of Naval Training
Naval Headquarters
ISLAMABAD
PAKISTAN
Tel: +92 21 20062541
Fax: +92 21 9261551

c. Civilian candidates (directly to):-

The Hydrographer
Hydrographic Department
Naval Headquarters
11, Liaquat Barracks
KARACHI - 75530
PAKISTAN
Tel: +92 21 56636151- 5
Fax : +92 21 9201623

7. Nominations must reach the above authorities 2 months prior commencement of each course. The same should also be copied to the Embassy of the respective country in Islamabad.

8. It is essential that candidates are employed by the hydrographic office, port authority or related national authority of their country. The nomination must be made through the employer and should include a statement specifying that the candidate will be employed in the Government or port authority service once he has successfully completed the course.

9. Nominated candidates should meet the following criteria:

- Good standard of the English language (written and spoken)
- A background in hydrographic / cartographic / geographic surveying or other relevant experience.
- Education to school/college level including mathematics and physics.
- Medical fitness

10. The course programme will cover the syllabi of all important aspects of Basic Hydrography / Cartography and Oceanography to assist in Hydrographic Surveying.

On behalf of the Directing Committee
Yours sincerely,

A handwritten signature in blue ink, appearing to be 'H. Gorziglia', written on a light yellow background.

Captain Hugo GORZIGLIA
Director

Annex 1: Nomination Form
Annex 2: Acceptance Form
Annex 3: Hydrographic Courses Details

**HYDROGRAPHIC COURSES AT PAKISTAN
HYDROGRAPHIC SCHOOL, KARACHI, PAKISTAN
(2009 - 2010)**

APPLICATION FORM

Affix recent
Photograph

1. Family Name
- First Name
2. Parents Name
3. Nationality
4. Date of Birth
- Place of Birth
5. Postal Address
-
- Telephone
- Fax
- E-mail
6. Passport No. Valid up to
7. Date and place of issue Issuing Authority
8. Present position: indicate description of duties
-
9. Academic / Educational background
-
10. Brief Description of candidate's past experience in hydrography / Cartography.....
-
- Signature of Nominee :

Name and position of Government Official authenticating this nomination.

Title of Service: **Signature**

ACCEPTANCE FORM

I hereby accept the invitation of the Government of Pakistan to participate _____
Course of Hydrography (from _____ to _____).

I confirm that: -

1. I will refrain from engaging in political, commercial and any activities other than those governed by the course programme;
2. I will inform the Government of Pakistan immediately if I am unable to attend the course;

Signature of the participant

Name of participant

Address
.....
.....

Date

HYDROGRAPHIC TRAINING-ALLIED COUNTRIES
COURSE NAME: Basic Cartography (Officers) Course

COURSE TITLE	Basic Cartographic (Officers) Course
COURSE SCHEDULE	7 September 2009 to 10 October 2009
WEB ADDRESS	www.paknavy.gov.pk
CONDUCTED BY	PN Hydrographic School PNS BAHADUR
DURATION	5 Weeks
STRENGTH	4+4 Trainees
COURSE/SELECTION CRITERIA	Nil
COURSE AIM	To provide participants with modern theories of nautical charting based on the format established by the International Hydrographic Organization as well as knowledge and techniques in drawing the bathymetric charts. Hence, to enable them to carry out all cartographic work for the preparation of Fair Sheets and Nautical Charts onboard ship and at Charting Centre.
PRE-REQUISITE	Nil
OUTLINE OF THE SYLLABUS	<ul style="list-style-type: none"> a. Geodesy b. Projections & Grid c. Computation & Draughtsmanship d. Law of Sea e. ENC Production
SEA TRIPS/OJTs	ENC Department, Charting Centre at Hydrographic Department, Naval Headquarters Karachi.
COST OF THE COURSE PER TRAINEE	US \$ 400 per week (Tuition fee only).
PASS PERCENTAGE	50%
EXAMINATION	Examination will be conducted after completion of each subject.
LEAVE	No Mid Term Leave as course is of only 5 weeks.
CERTIFICATE/DEGREE	Course Certificate at the end of course.
ANY OTHER RELEVANT INFORMATION	Nil

HYDROGRAPHIC TRAINING-ALLIED COUNTRIES
COURSE NAME: Chief Survey Artificer (CSA) Course (For Chief Petty Officers)

COURSE TITLE	Chief Survey Artificer (CSA) Course (For Chief Petty Officers, including Master Chief)
COURSE SCHEDULE	8 November 2009 to 4 December 2009
WEB ADDRESS	www.paknavy.gov.pk
CONDUCTED BY	PN Hydrographic School PNS BAHADUR
DURATION	4 weeks
STRENGTH	6 Trainees
COURSE/SELECTION CRITERIA	SA-III / SA-II with a minimum 6 months sea service.
COURSE AIM	To enable the prospect CNAS to enhance their theoretical as well as practical knowledge so that they can efficiently discharge their duties as Chief Navigation Artificer Survey on board survey vessel / establishment. This includes conduct of survey task, conduct of training, operation of oceanographic and hydrographic equipments/ instruments.
PRE-REQUISITE	Nil
OUTLINE OF THE SYLLABUS	a. Hydrography b. Modern Survey Software & Equipment c. Information and Communication Technology d. OOD Module
SEA TRIPS/OJT's	Nil
COST OF THE COURSE PER TRAINEE	US \$ 200 per week (Tuition fee only).
PASS PERCENTAGE	50%
EXAMINATION	Examination will be conducted after completion of each subject.
LEAVE	No Mid Term Leave as course is of only 16 weeks
CERTIFICATE/DEGREE	Course Certificate at the end of course.
ANY OTHER RELEVANT INFORMATION	Nil

HYDROGRAPHIC TRAINING-ALLIED COUNTRIES
COURSE NAME: Advanced Professional (SA IV) Course (for Petty Officer)

COURSE TITLE	Advanced Professional (SA IV) Course (for Petty Officer)
COURSE SCHEDULE	9 November 2009 to 13 Feb 2010
WEB ADDRESS	www.paknavy.gov.pk
CONDUCTED BY	PN Hydrographic School PNS BAHADUR
DURATION	14 Weeks
STRENGTH	4 + 5 Trainees
COURSE/SELECTION CRITERIA	SA-IV/LST with a minimum service of 4 years including at least 6 months sea with good academic record.
COURSE AIM	To train student to be competent at carrying out survey tasks as field In charges. This includes planning of hydrographic survey, collection of data and subsequent processing and preparation of fair sheet. Maintaining of digital data bank for bathymetric data.
PRE-REQUISITE	Nil
OUTLINE OF THE SYLLABUS	<p>a. Nautical Science</p> <p>b. Draughtmanship</p> <p>b. Hydrography. Geodesy, Projection and Grids, Positioning, Horizontal Control, Vertical Control, Survey Planning & Reconnaissance, Sounding, Multi Beam Echo Sounder, Side Scan Sonar Survey, Coast lining, Survey software for data collection & processing.</p> <p>c. Environmental Science. Under Water Acoustics, Oceanography, Oceanographic Instrumentation, Tide, Tidal Stream & Current, Law of the Sea and Maritime Boundaries, Geological & Geophysical Survey.</p> <p>d. Computer Based Training on Latest Softwares.</p> <p>(i) Planning project, basic setting, equipment interfacing, data collection, data editing, processing, printing of fair sheet using Hydropro Software, Hypack Max Software, MBES 6042 Software.</p> <p>(ii) Training on latest Topographic/Tide gauge/Current Meter Software.</p>
SEA TRIPS/OJTs	SV BEHR PAIMA, ENC Department, Charting Centre at Hydrographic Department, Naval Headquarters Karachi.
COST OF THE COURSE PER TRAINEE	US \$ 200 per week (Tuition fee only).
PASS PERCENTAGE	50%
EXAMINATION	Examination will be conducted after completion of each subject.
LEAVE	No Mid Term Leave as course is of only 5 weeks.
CERTIFICATE/DEGREE	Course Certificate at the end of course.
ANY OTHER RELEVANT INFORMATION	Nil