



**TECHNICAL AND ADVISORY VISITS TO
BANGLADESH BY IHB CAPACITY BUILDING
TEAM**

**BANGLADESH NAVY HYDROGRAPHIC
DEPARTMENT**

Monaco

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Introduction

- ❖ Bangladesh Navy Hydrographic Department (BNHD) was formed in 1980.
- ❖ Addition to own technical know-how, BNHD invites friendly nations for capacity building.
- ❖ Entered into a digital era of hydrographic survey through technical and technological support by NAVFCO, French.
- ❖ Training received from nations like India, UK, Italy, South Korea and org like Nippon Foundation, GEBCO etc.
- ❖ Technical team from IHB visited in 2012 under Capacity Building (CB) program.
- ❖ Main focus of CB team was to identify shortcomings of BNHD and a suggestions for future requirement.

Visit by IHB CB Team

- ❖ CB Team visited Bangladesh 03 Nov to 07 Nov 2012.
- ❖ Team took keen interest to understand and appreciate performance of survey equipment & other deployment.
- ❖ Hydrographic ships/ units visited by CB Team:
 - Directorate of Hydrography, Naval Headquarters, Dhaka
 - BNS ANUSHANDHAN
 - BNS SHAIBAL
 - Bangladesh Navy Hydrographic and Oceanographic Centre (BNHOC)
 - BN Hydrographic School
- ❖ Call on with personnel within the chain of survey operation

Outcome of CB Visit and Impact in BNHD

- ❖ A very comprehensive report is submitted by CB Team to BNHD.
- ❖ For meeting current and future challenges definite proposal is made for strengthen hydrographic department.
- ❖ Report accepted by BNHD spontaneously with appreciation to CB team for their relentless efforts.
- ❖ Main recommendation of the CB team vis-à-vis the steps taken by BNHD are projected....

Outcome of CB Visit and Impact in BNHD

CB Team Suggestion	Actions Taken by BNHD
Efforts to bring BN's MBES operations to a fully operational state.	<ul style="list-style-type: none">□ All three MBES of BN are made operational.□ Locally data acquisitions by MBES are being made. Expecting training on MBES data validation and data management from some experienced hydrographic office.
Replacement of EM-1002 system fitted on-board BNS ANUSHANDHAN before the system becomes unsupportable	Very recently EM-1002 MBES is renovated by Kongsberg with an intention of getting service for few more years
BN seek the assistance of an experienced hydrographic office to develop a MBES survey data appraisal system at BNHOC and train the staff accordingly.	BNHD has taken up efforts for training personnel on MBES data appraisal as well as development of skilled manpower. BN already arranged MBES training under bilateral agreement with UKHO.
Investigate the provision of BNHOC with data storage and management systems to provide a unified national hydrographic database and obtaining assistance from an experienced hydrographic office.	The initiative has been taken to establish one unified national hydrographic database. However, experience hydrographic office, IHO may assist in this regard.

Outcome of CB Visit and Impact in BNHD

CB Team Suggestion

Actions Taken by BNHD

BNHOC, through existing cooperation or bilateral arrangements with other hydrographic offices, request professional assistance to enhance tidal analysis and prediction capability

Efforts are continued to train BNHOC personnel on tidal data analysis and prediction from some experienced hydrographic offices through bilateral agreement. In this regard, IHO assistance is always welcome.

Establishment of a dedicated BNHOC website to include charts and publications available, notices to mariners, navigational warnings, details of surveys

It is under active consideration by the authority.

Upgrading of Tide tables to a 'Maritime Handbook' including the national List of Lights, Radio Signals

This is under process. It will be made in due course of time.

Director Hydrography to considers the Technical Teams comments on the proposed new BNHOC structure

The comment about new structure is actively considered for restructuring of BNHOC

Outcome of CB Visit and Impact in BNHD

CB Team Suggestion	Actions Taken by BNHD
<p>Through existing cooperation or bilateral arrangements with other hydrographic offices, seek professional assistance to convert paper chart to ENCs</p>	<p>BNHD has taken up efforts to develop manpower for conversion of paper chart into ENC. Technological assistance is sought from many experienced nations. One week CB training is planned in 2014. However, follow-up training under CB project is also required.</p>
<p>BNHOC develop an effective ENC production and maintenance capability</p>	<p>Efforts are continued to train BNHOC personnel for ENC production and maintenance. Efforts being made to receive assistance from capable Hydrographic Offices.</p>
<p>BN arrange sending more officers for IHO Cat A hydrography and IHO Cat B cartography courses in recognized institutions.</p>	<p>BNHD is seldom receiving Cat-A Hydrography and Cat-B cartography courses. These are badly required to develop our human resources.</p>

Suggestions for Effective CB Program

- Going into depth for finding out the loopholes of the problems including bureaucratic hurdles.
- Identifying absolute shortcomings on professional aspects and steps to the solution.
- Full pledged CB support may be given to the concern nation with an intention to bring up to the standard.
- A review process may be made to the supported nation after a certain period of time. So that the progress curve and area of weakness can be further sort-out for continuous to the goal and decision may be taken to discontinue for those nations, whose progress are below satisfactory.

THANK YOU

