



**BANGLADESH**

**NATIONAL HYDROGRAPHIC REPORT  
For 11<sup>TH</sup> NIOHC MEETING**

**DELHI, INDIA  
01- 02 MARCH 2011**

## **CONTENTS**

1. Hydrographic Office
2. Surveys
3. New Charts & Updates
4. New Publications & Updates
5. Maritime Safety Information (MSI)
6. Capacity Building
7. Oceanographic Activities
8. Conduct of Hydrographic Course
9. Conclusion

1. **Hydrographic Office.** In Bangladesh, all hydrographic activities at sea are administrated from Naval Headquarters at Dhaka. However, Bangladesh Inland Water and Transport Authority (BIWTA) is responsible for the Hydrographic survey of inland water ways. Bangladesh Navy Hydrographic Department (BNHD) consists of following units:

- a. Directorate of Hydrography at Naval Headquarters.
- b. BN Hydrographic and Oceanographic Centre (BNHOC) at Chittagong.
- c. Three offshore hydrographic survey ship, two small coastal hydrographic survey vessel and two survey motor boats.
- d. BN Hydrographic School at Chittagong.

2. **Surveys.**

- a. **Coverage of New Surveys.** New surveys are being carried out in the coastal area using both single beam and multi-beam echo sounders (MBES) to update charts INT 7428 and BN 7509, 7501, 7505, 3506 & 3507.
- b. **New Technologies or Equipment.** BNHD is in the process of acquiring portable shallow water MBES and sub bottom profiler.
- c. **New Ship.** BN has procured hydrographic survey vessel EX HMS ROEBUCK from Royal UK Navy. The ship is commissioned as BNS ANUSHANDHAN which enhanced our hydrographic survey capabilities.
- d. **Problems Encountered.** BNHD is encountering problem with multi-beam data processing as MBES is newly inducted.

3. **New Charts & Updates:**

- a. **ENCs.** The ENC cell of BNHD is not yet fully developed.
- b. **ENC Distribution Method.** Not Applicable.
- c. **RNCs.** Nil.
- d. **INT Charts**
  - (1) BN has produced INT 7425 and INT 7428 (for which Bangladesh is responsible) out of its 03 INT charts. INT 7426 will be published very soon.
  - (2) INT 7425 (for which Bangladesh is responsible) was covering more land area towards north and did not cover the prominent navigational features of the area like St. Martins island and its' Light house. The matter was also mentioned in our national report of 10<sup>th</sup> NIOHC meeting. The present limit of INT 7425 is as follows:

Title of Chart	SW corner position		NE corner position		Dimensions (mm)
	Lat(N)	Long(E)	Lat(N)	Long(E)	
Malancha River to Elephent point	20°30.00'	089°06.00'	22°33.00'	092°24.00	977.0 x 648.7

(3) **Re-adjustment of INT 7419 and 7430.** In the northern Bay of Bengal there are other problems found in the INT chart scheme. INT 7419 and INT 7430 (for which India and Myanmar are responsible) cover much of the Bangladesh water and therefore huge overlaps are made with INT 7425. As such, the limits of these two charts (INT 7419 and INT 7430) need to be readjusted.

e. **National Paper Charts.**

(1) **Publication of New Charts.**

- (a) BN chart 2502 (Shah Amanat Bridge to Silok Bazar).
- (b) BN chart 2501 (Digraj to Deotala Godalpur, Deotala Godal Pur to Labanchora, Lobonchara to Khulna).

(2) **Update.** Following charts have been updated:

- (a) BN Chart 3502 (Approaches to Maishkhali Channel and Adjoining Area).
- (b) BN Chart 3509 (Pussur River- Pavanga Shoal to Zafar Khal and Zafar Khal to Monkey point).

f. **Problems Encountered.** Nil.

4. **New Publications & Updates.**

a. **Updates.** BN Tide Table 2011.

b. **Problems Encountered.** Nil.

5. **Maritime Safety Information(MSI).** In Bangladesh Notices to Mariners are issued by Principal Officer of Mercantile Marine Department (POMMD) regularly. These notices are widely circulated among the national maritime agencies through different means. Written notice regarding MSI is also issued from Chittagong and Mongla port authority.

6. **Capacity Building.**

a. **Training Received, Needed, Offered.**

(1) **Training Received.** Bangladesh highly appreciates the assistance of IHO to provide training package on cartography which will commence on 07 March 2011. Besides, the offer of Cat A and Cat B hydrography course from India is also highly appreciated.

(2) **Training Needed.** Bangladesh need following courses/ training packages for human resource development:

- (a) Cat A hydrography course.
- (b) Cat B cartography course.
- (c) Training packages on MBES (data acquisition and data processing).
- (d) ENC production.
- (e) Physical oceanography.

(3) **Training Offered.** Bangladesh has planned to conduct Cat B hydrography course at BN Hydrographic School from 03 April 2011 which has been offered to member states through IHO circular. Good responses are received from member states.

b. **Status of National, Bilateral, Multilateral or Regional Development.**

BNHD and UKHO have signed a MOU regarding the production, printing and distribution of INT charts of Bangladesh area and its supporting publications.

7. **Oceanographic Activities.** Nil.

8. **Conduct of Hydrographic Course.** Last year following courses were conducted in BN hydrographic School:

- a. Survey Recorder 1st class
- b. Survey Recorder 2nd class

9. **Conclusion.** Bangladesh recognizes the importance of hydrography for the prosperity of the nation including the role of hydrography in promoting the regional cooperation. BNHD, as the organization of a small maritime nation with the scarcity of resources, is working relentlessly to provide updated nautical charts and other related information to the mariners/ other sea users in her water. Considering human resource development as one of the main objectives, BNHD is putting her maximum efforts to develop the same. Every year BNHD is trying to annex new equipment and technologies. However, BNHD still needs the assistance of friendly nations in building efficient manpower.