



BANGLADESH

NATIONAL HYDROGRAPHIC REPORT

FOR THE 10TH NIOHC MEETING

DHAKA, BANGLADESH

23TH - 24TH FEBRUARY 2009

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
10. Recommendation

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

- a. Director of Hydrography at Naval Headquarters.
- b. BN Hydrographic and Oceanographic Centre (BNHOC) at Chittagong Naval base.
- c. BN Hydrographic School at Chittagong Naval Base.
- d. Two offshore hydrographic ship, one small hydrographic coastal vessel and two hydrographic motor boats.

2. **Surveys**

a. **Coverage of New Surveys**

- (1) **Coastal Belt Area.** Moheshkhali River mouth area, Scale of Survey 1:25,000 Chittagong outer anchorage area, Scale of Survey 1:25,000 and Mongla port fairway buoy area, scale of survey 1:30,000
- (2) **Coast Lining.** Chittagong port harbour entry area.
- (3) **Offshore Area.** South-West of Fairway buoy (1:250,000)
- (4) **Check Survey.** Mongla Port area. (1:30,000)

b. **New Technologies or Equipment:**

- (1) **Multibeam Echo Sounder (EM30002D).** Kongsberg MBES EM3002D has successfully installed on board BNS SHAIBAL. The performance of MBES is satisfactory.
- (2) **Side Scan Sonar (Edgetech 4200MP).** SSS 4200MP has been procured from Edgetech, USA. Its Test & Trail will be completed soon.

c. **New Ships:** BN has taken a plane to procure / construct a purpose built Hydrographic ship. In this regard various offers have received from home and abroad. Any donor in this regard will be highly appreciated.

3. **New Charts & Updates:**

- a. **New Charts.** Hatia Island to St. Martin's Island, BN Chart 25002 (**Paper Chart**)
- b. **Update.** **BN Chart 3501 (Scale 1: 35,000):** St. Martin's Island and Adjoining Area, **BN Chart 3502 (Scale 1:35,000):** Approaches to Maishkhali

Channel and Adjoining Area, **BN Chart 3503 (Scale 1:35,000)** Kutubdia Channel and Adjoining Area, **BN Chart 3510 (Scale 1:35,000)**: Monkey Point to Mongla (Pussur River), **BN Chart 7511 (Scale 1: 75,000)**: Matabaria Island to Elephant Point and **BN Chart 40001 (Scale 1: 400 000)**: Hariabhanga River to St. Martin's Island.

c. **ENCs:** ENC of INT 7428 have been prepared by BNHOC, however validation could not be done due to the not availability of proper software.

d. **RNCs:** Nil

e. **INT Chart Printing:** Only one INT Chart number 7428 has been published. It has been noticed that INT 7425 has not adequately covered the related important sea area, specially the St. Martin's Island area, therefore it needs to be readjusted. It has also been noticed that the dimension of other relevant INT charts as mentioned in M-11 may be re-adjusted. The proposal for amendment is depicted below:

PROPOSED INDEX OF INT CHARTS								
Ser	INT Chart No	Title of Chart	SW corner position		NE corner position		Natural Scale/ Mid Lat(N)	Dimensions (mm)
			Lat(N)	Long(E)	Lat(N)	Long(E)		
1.	7525	Malancha River to Elephant point	20°30.00'	089°06.00'	22°33.00'	092°24.00'	1:3500 00 (21°30')	977.0X648.7
2.	7426	A. Approaches to Hiron point	21°20.00'	089°19.50'	21°55.30'	089°40.50'	1:100 000 (22°00')	361.4X649.8
		B. Pavanga Shoal to Jayman Reach	21°50.00'	089°27.00'	22°25.20'	089°39.00'	1:100 000 (22°00')	206.5X650.2
		C. Tatal point to Khulna	22°20.00'	089°30.50'	22°55.00'	089°39.00'	1:000 00 (22°00')	146.3X648.9
		D. Mongla Port	22°25.00'	089°34.00'	22°32.00'	08 9°37.20'	1:25000 (22°00')	220.3X518.5
3.	7428	A. Approaches to Chittagong	21°48.00'	091°28.00'	22°23.20'	091°56.10'	1:100 000 (22°05')	483.3X649.7
		B. Chittagong Harbour	22°07.80'	091°41.50'	22°20.10'	091°51.30'	1:350 00 (22°05')	481.6X649.3

f. **Problems Encountered:** Shortage of appropriate ENC software and Hardware in BNHOC.

4. **New Publications & Updates**

a. **Updates.** Local BN Tide table-2010.

c. **Problems Encountered.** Nil.

5. **Maritime Safety Information (MSI).** Written notice regarding MSI is issued from Chittagong and Mongla port authority. These notices are widely circulated among the national maritime agencies, with subsequently transmitted to the concerned ship at sea by fax / E-mail. Installation of NAVTEX system is in progress.

6. **Capacity Building:**
 - a. **ENC.** A complete ENC production training package is badly needed for the up gradation of BNHD capabilities.
7. **Oceanographic Activities.** Nil.
8. **Conduct of Hydrographic Course.** Following course have been conducted in BN hydrographic School at Chittagong:
 - a. Cat-A Hydrographic course
 - b. SR-II course
 - c. SR-I course
9. **Conclusion.** With the assistance of friendly countries and other maritime related international organization, Bangladesh Hydrographic Department is progressing well. It is expected that confidence building efforts in the field of Hydrography will continue further. In addition a complete ENC production training is extremely essential for BNHD to fulfill the aim of worldwide ENC production program of IHO.
10. **Recommendation.** Following recommendations are made to uplift the maritime safety aspect of the region and existing hydrographic capability of NIOHC member states:
 - a. The coverage of INT in respect to our area may be readjusted.
 - b. Effective CBM program may be taken in to consideration to achieve the final aim of assistance.
 - c. To achieve the ENC production capacity of IHO member states, result oriented CBM programme may be implemented.