

24th Meeting of the North Indian Ocean Hydrographic Commission

National Report by

BANGLADESH



MAIN ACHIEVEMENTS DURING THE YEAR

- Successfully conducted IHO Cat B Hydrography Course. 01 Foreign Officer attended the course
- 12 Paper charts and 07 ENC's were updated and distributed
- Encrypted ENC distribution system developed as Data Server
- Published Bangladesh Navy (BN) Tide Tables 2025
- Published BN Annual Summary of Notices to Mariners



MAIN ACHIEVEMENTS DURING THE YEAR

- Marine Weather forecast App is launched for mariners to receive the update information
- Inclusion of Autonomous Survey Platform (AUV, ASV, ATSS) is underway to accomplish more challenging task in future survey operation
- BN organized a seminar to celebrate WHD-2024 in presence of all maritime stakeholders to highlight the importance of hydrography for national development



MAIN CHALLENGES AND/OR OBSTRUCTIONS

- Due to dynamic and deltaic condition frequent hydrographic survey is required to update nautical charts
- Presence of Turbid water in the coastal region possess considerable challenges in case of Multibeam data acquisition (Limited swath coverage and processing of Multibeam data is quite time consuming)
- Cartographers face difficulties in matching data of different survey due to rapid and constant changes of depth in coastal areas



PROGRESS ON SURVEYS, CHARTING AND MSI

Surveys

- Hydrographic Survey is ongoing for the survey season 2024-2025
- Processed data will be applied for updating relevant INT series and National series charts/ENCs

Charting

- 12 National series Paper charts (01 New Chart & 11 New Edition) published
- 02 ENCs (New Chart) and 05 ENCs (New Edition) published
- All ENCs are being updated in regular interval



PROGRESS ON SURVEYS, CHARTING AND MSI

MSI

- **Notices to Mariners.** Issued by Bangladesh Navy Hydrographic and Oceanographic Center (BNHOC) and Department of Shipping through Mercantile Marine Office (MMO) regularly
- **Meteorological Warning.** Meteorological warnings are prepared and distributed by Bangladesh Meteorological Department (BMD)
- **NTM Distribution System.** NTM is issued and distributed by Bangladesh Navy Hydrographic and Oceanographic Center (BNHOC) and Mercantile Marine Office (MMO)



PROGRESS ON SURVEYS, CHARTING AND MSI

MSI

- **NAVTEX Coverage.** Transmitted with the help of NAVAREA coordinator India as part of NAVAREA VIII
- **Website for NTM and other Warnings.** All updated warnings including the Notices to Mariners are available in the website of BNHOC (www.bnhoc.navy.mil.bd) and Mercantile Marine Office (<https://mmd.gov.bd/>)



CAPACITY BUILDING

Contribution

Ser	Name of Training	Duration (weeks)	Number of Student
1.	18 th Basic Hydrographic Course (CAT B)- 2024	24	07 (Including 01 Foreign participant)
2.	SR-II 'Q' 2024	25	16
3.	SR-III 'Q' 2024	23	12
4.	2 nd Paper Chart Refresher Course 2024	06	07



CAPACITY BUILDING

Request for Support

- Category A training in Hydrography
- Category B training in Hydrography and Cartography
- Conversion Training (S-57 to S-101)
- Establishment of MSDI (Marine Spatial Data Infrastructure)



OCEANOGRAPHIC ACTIVITIES

General

- Bangladesh Navy Hydrographic Department (BNHD) is conducting oceanographic survey in limited scale by using available platforms and equipments
- BNHD has taken initiative to develop an Oceanographic Database on various seabed sample and seawater properties
- BNHD facilitates sampling and necessary assistance to all maritime R&D organizations, educational institutes and universities to collect oceanic data for research activities



OCEANOGRAPHIC ACTIVITIES

Tide Gauge Network

- Bangladesh maintains a tidal network of more than 25 tidal stations along the coastal belt of Bangladesh
- Installations of 04 in number Radar based Automatic Tide Gauges with GSM Telemetry facilities is in progress by Bangladesh Navy and more will be added in future

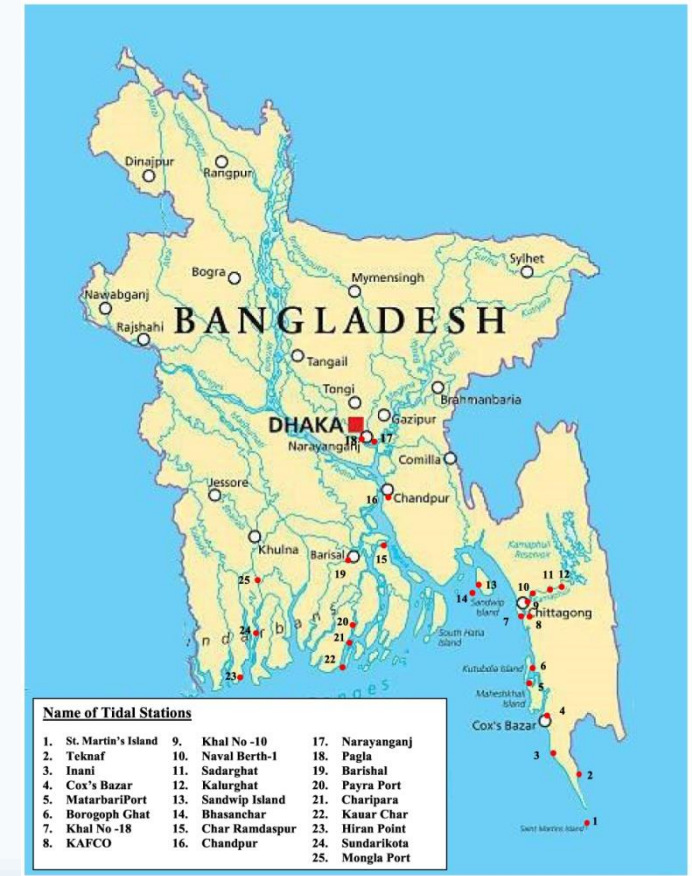


Figure: Tidal Network



OTHER ACTIVITIES

Environmental Protection

- Marine Reserve Area (MRA) and Marine Protected Areas (MPA) are well demarcated in BD charts
- Bangladesh Navy and Bangladesh Coast Guard vessels regularly monitors the marine pollution and ensure compliance

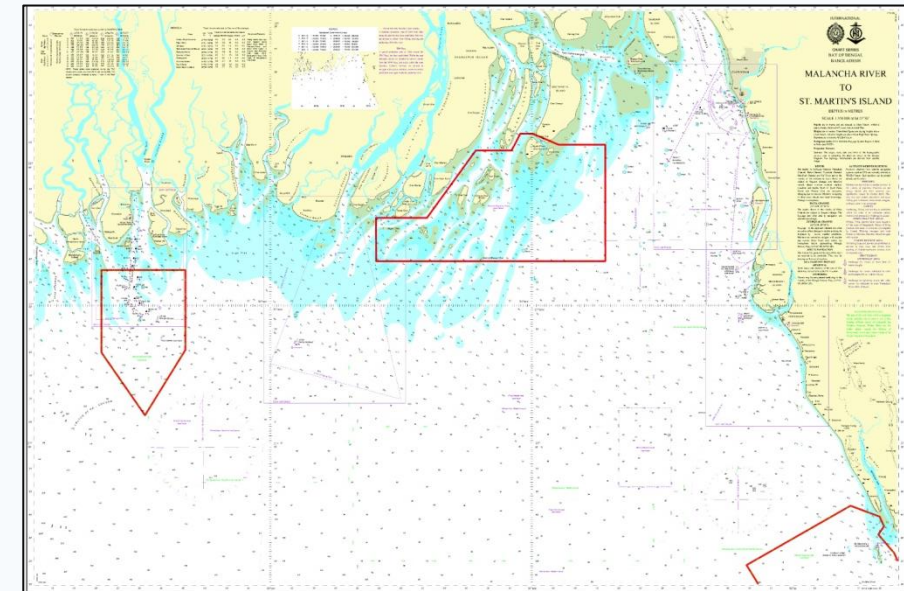


Fig: MRA and MPA



OTHER ACTIVITIES

Environmental Protection

- 02 in number Fishing charts has been circulated to all fishing vessels operated within jurisdiction of Bangladesh maritime water for better supervision and monitoring

MSDI Progress

- Conceptual phase

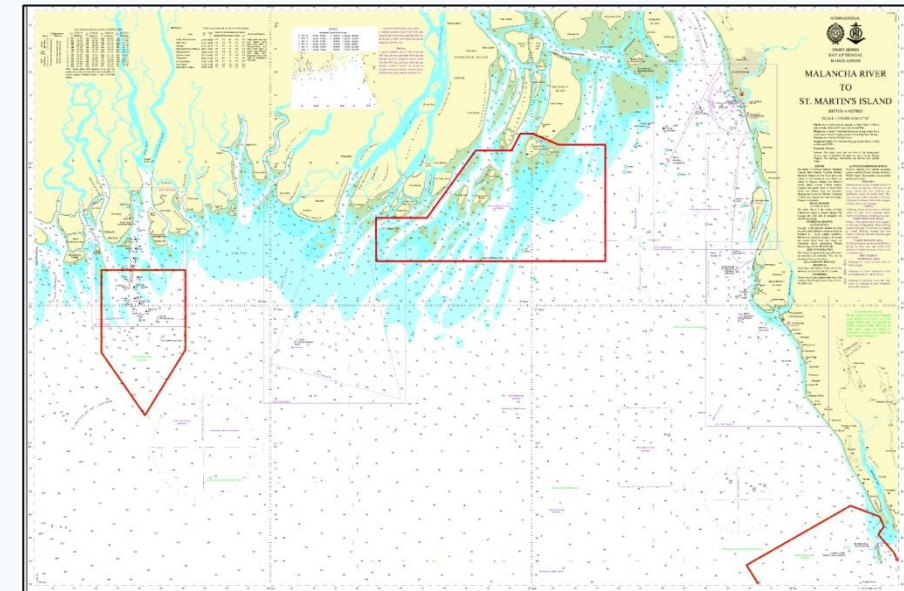


Fig: MRA and MPA



CONCLUSION

- Required Capacity building support in Hydrographic and Cartographic field for further improvement and gain self sufficiency
- BNHD is ready to share her expertise and experience with other Member States for mutual benefit

