



NATIONAL REPORT





NATIONAL HYDROGRAPHIC OFFICE DEHRADUN (INDIA)



ROLE

- ✓ Hydrographic Surveys and Production of Nautical Products
- ✓ Maritime Safety Information in NAVAREA VIII – Indian Ocean, Arabian Sea & Bay of Bengal
- ✓ NAVTEX Coordinator

SHIPS

- Seven Ocean going Survey Ships (four latest ones being inducted shortly)

TRAINING

- ❑ Cat 'A' and Cat 'B' courses at National Institute of Hydrography (NIH), Goa



TRAINING COURSES AT NIH, GOA



<u>Ser</u>	<u>Course</u>	<u>Duration</u>
(A)	<u>Long 'H' Course</u> . Cat 'A' Officers' course recognised by IHO. Eligible students awarded Master of Science degree from Goa University.	43 Weeks
(B)	<u>Basic 'H' Course</u> . Cat 'B' Officers' course recognised by IHO.	29 Weeks
(C)	<u>PO 'Q' SR</u> . An advanced level sailors' course. On successful completion, a diploma in Hydrography awarded from Cochin University of Science and Technology.	20 Weeks
(D)	<u>LS SR 'Q' Refresher</u> . A mid-level sailors' refresher course.	11 Weeks
(E)	<u>Basic 'Q'</u> . An entry level sailors' qualifying course.	16 Weeks



HYDROGRAPHIC SURVEYS



National Surveys

Foreign Cooperation Surveys

Defence Surveys

Project Surveys





TECHNOLOGY IN USE



Latest Data Acquisition and Processing Software

Deployment of AUV

Utilisation of ROV





INT CHARTS – AREA ‘H’



Total 32 ENC's and 29 equivalent Paper Charts produced for Area ‘H’

INT No	Prod	National No	TITLE	ENC
7739	IN	2514	Approaches to Port Louis	IN52514A
			Port Louis	IN62514P
77391	IN	2503	Approaches to Cargados Carajos Shoals (St Brandon)	IN42503S
77392	IN	2504	Mathurin Harbour	IN62504H
77393	IN	2505	Approaches to Mathurin Harbour	IN52505T
77394	IN	2506	Plan A- Grand Bay	IN52506D
			Plan A- Grande Riviere Noire Bay	IN52506B
77395	IN	2507	Grand Port	IN62507P
77396	IN	2512	Agalega Island	IN52512I
77397	IN	2527	Mauritius	IN32527M



NATIONAL SERIES CHARTS & ENC_s – AREA 'H'



New Charts and Publications (Mauritius)

National No	Title	ENC
2527	Mauritius	IN32527M
2530	Approaches to Grand Port	IN52530A



NATIONAL SERIES CHARTS & ENC_s – AREA 'H'



Charts and Publications (Seychelles)

National No	Title	ENC
2552	Western Approaches To Mahe Island	IN52552W
2509	Assumption Island	IN52509I IN62509A IN62509B
2513	Coetivy Island	IN52513C
2550	Port Victoria	IN62550A
2551	App. To Port Victoria	IN62550A
2554	Aldabra Island	IN62554A
2555	Approaches to Aldabra Island	IN52555I



NATIONAL SERIES CHARTS & ENC_s – AREA 'H'



Charts and Publications (Tanzania)

National No	Title	ENC
2516	Dar Es Salaam Harbour	IN62516D
2517	Dar Es Salaam Anchorage	IN62517N
2520	Approaches to Dar Es Salaam	IN52520A
2524	Port of Zanzibar	IN62524P
2528	Approaches to Mkoani Harbour Mkoani Harbour	IN42528K IN52528H
2693	Tanga Port	IN62693T



NATIONAL SERIES CHARTS & ENC_s – AREA 'H'



Charts and Publications (Kenya)

National No	Title	ENC
2642	Manda Bay	IN52642M
2641	Kiwaiyu Bay	IN52641K
2640	Mkokoni	IN52640M
2643	Approaches to Manda Bay	IN42643A



NATIONAL SERIES CHARTS & ENC's – AREA 'H'



Charts and Publications (Mozambique)

National No	Title	ENC
2510	Beira Port Pungoe Wharf	IN52510B IN62510P
2511	Approaches to Beira Port	IN52511A



NEW PUBLICATION



Indian List of Radio Signals - INP 31 (5)



PAPER CHARTS AND ENC_s DISTRIBUTION



- ✓ Paper Charts marketed through Chart Agents - List Available on www.hydrobharat.gov.in
- ✓ Paper charts and ENC_s updated through N to M fortnightly
- ✓ Digital Catalogue available on web page
- ✓ ENC_s distributed through UKHO and PRIMAR



MARINE SAFETY INFORMATION TRANSMISSION



- ✓ Navarea warnings are issued for NAVAREA VIII
- ✓ Updated warnings and NtoM available on website
- ✓ Country-wise NAVAREA requests from Coastal States of Area 'H' are as follows :

<u>Country</u>	<u>Number of Messages</u>	<u>Topics / Subject of Messages</u>
Kenya	02	Survey
Reunion Island	04	Firing Exercise
Tanzania	02	Survey
NAVAREA X	05	Space Debris



MARINE SAFETY INFORMATION TRANSMISSION

NEW INITIATIVE



All in force NAVAREA, NAVTEX and Temporary & Preliminary Notices are available for visualisation along with details of affected Charts and ENC's for mariners on INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA-WINS) on www.hydrobharat.gov.in



CAPACITY BUILDING HYDROGRAPHY



Hydrographic Training at NIH

Total 858 Foreign trainees
12 Foreign trainees in 2023

Cartographic & ENC Production training at NHO

Total 31 Foreign trainees
05 Foreign trainees in 2023

Joint Hydrographic Surveys with On-job Training on board ships





राष्ट्रीय जलसर्वेक्षण कार्यालय
NATIONAL HYDROGRAPHIC OFFICE

THANK YOU