



**NATIONAL REPORT
NATIONAL
HYDROGRAPHIC OFFICE
INDIA**

NHO – DEHRADUN

ROLE

- **Hydrographic surveys and production of nautical products**
- **Maritime safety information in Navarea VIII - Indian Ocean, Arabian Sea and Bay of Bengal**

SHIPS

Eight ocean going survey ships

TRAINING

National Institute of Hydrography - Goa

TRAINING COURSES AT NIH GOA

<u>SL</u>	<u>COURSE</u>	<u>DURATION</u>
(A)	<u>LONG H COURSE</u> CAT 'A' COURSE RECOGNIZED BY IHO ELIGIBLE STUDENTS AWARDED MSc DEGREE FROM GOA UNIVERSITY.	43 WEEKS
(B)	<u>BASIC H COURSE</u> CAT 'B' COURSE RECOGNIZED BY IHO	29 WEEKS
(C)	<u>PO 'Q' SR</u> AN ADVANCED LEVEL SAILOR COURSE. ON SUCCESSFUL COMPLETION DIPLOMA IN HYDROGRAPHY AWARDED FROM COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY.	20 WEEKS
(D)	<u>LS SR 'Q' REFRESHER</u> A MID-LEVEL SAILOR REFRESHER COURSE.	11 WEEKS
(E)	<u>BASIC 'Q'</u> AN ENTRY LEVEL SAILOR QUALIFYING COURSE.	16 WEEKS

TRAINING OF INTERNATIONAL PARTICIPANTS – 2017-18

SI	Course	Participants	Countries
(a)	Long 'H' (CAT 'A')	09	02 each from Nigeria and Sri Lanka. 01 each from Bangladesh, Indonesia, Philippines, Thailand and Vietnam
(b)	Basic 'H' (CAT 'B')	10	03 – Sri Lanka and 01 each from Kazakhstan, Kenya, Nigeria, Micronesia, Myanmar, Philippines and Vietnam
(c)	PO 'Q'	07	02 – Sri Lanka, 01 each from Bangladesh, Cameroon, Maldives, Mauritius and South Africa
(d)	Leading 'Q'	03	03 – Sri Lanka
(e)	Basic 'Q'	04	01 – Fiji, 01 – Maldives and 02 – Sri Lanka
(f)	ENC Workshop	07	04 – Sri Lanka and 03 – Myanmar

TRAINING OF INTERNATIONAL PARTICIPANTS – 2018-19

SI	Course	Participants	Countries
(a)	Long 'H' (CAT 'A')	08	02 – Bangladesh, 01 each from Nigeria, Sri Lanka, Indonesia, Myanmar, Philippines and Vietnam
(b)	Basic 'H' (CAT 'B')	10	02 each from Sri Lanka and Kazakhstan 01 each from Nigeria, Thailand, Myanmar, Morocco, Philippines and Vietnam
(c)	PO 'Q'	04	01 each from Bangladesh, Myanmar, Mauritius and Sri Lanka
(d)	Leading 'Q'	06	05 – Sri Lanka and 01 from Myanmar
(e)	Basic 'Q'	11	04 – Sri Lanka, 03 – Myanmar, 02 – Cameroon and 01 each from Mauritius and Maldives
(f)	ENC Workshop	08	04 – Myanmar and 02 each from Sri Lanka and Mauritius

TRAINING OF INTERNATIONAL PARTICIPANTS



TRAINING OF INTERNATIONAL PARTICIPANTS



HYDROGRAPHIC SURVEYS

- National surveys
- International surveys
- Defence surveys





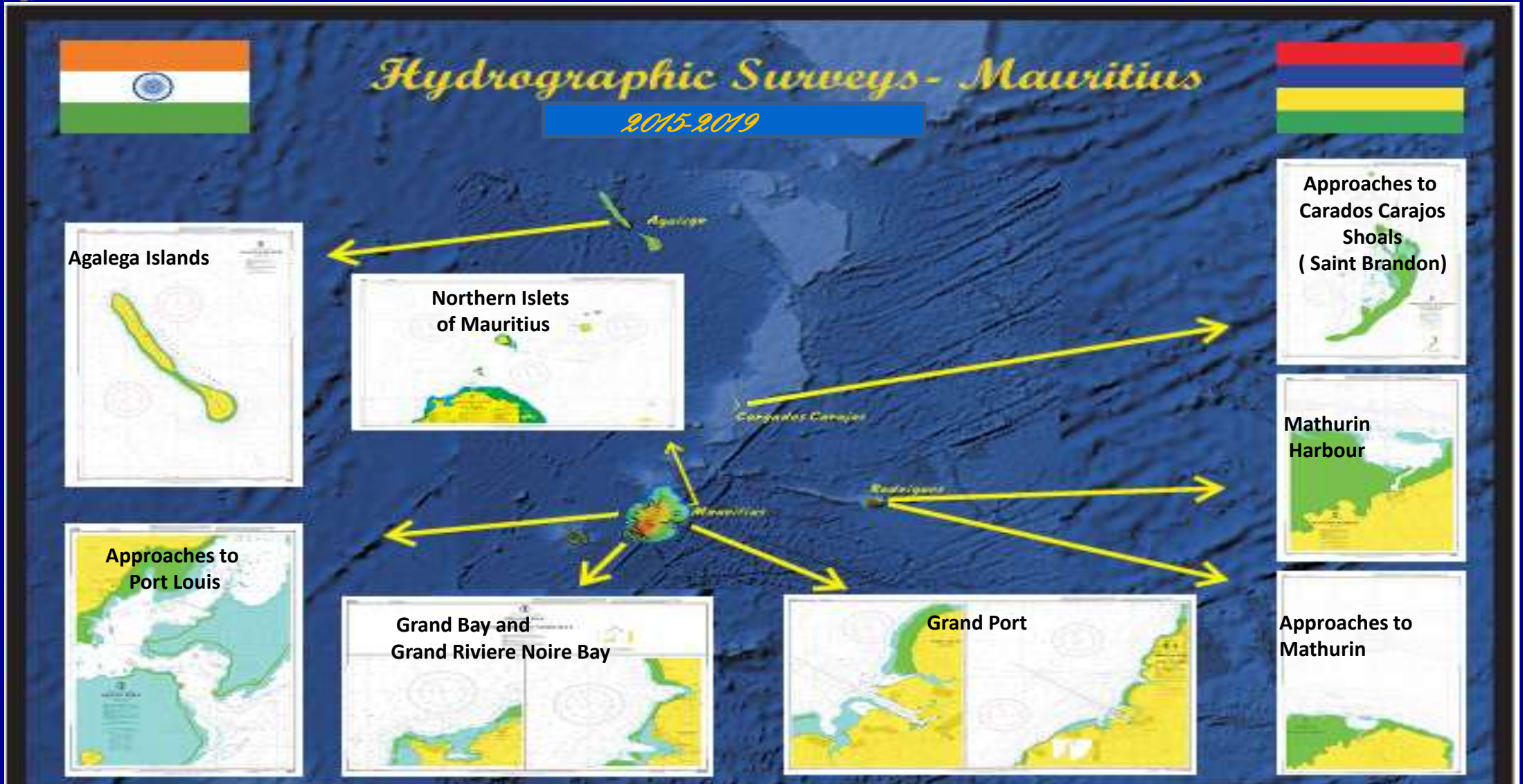
CHARTS PUBLISHED



<u>CHART</u>	<u>INT NO</u>	<u>TITLE</u>
2503	77391	Approaches to Carados Carajos Shoals (Saint Brandon)
2504	77392	Mathurin Harbour
2505	77393	Approaches to Mathurin Harbour
2506	77394	Grand Bay and Grand Riviere Noire Bay
2507	77395	Grand Port
2512	77396	Agalega Islands
2514	7739	Approaches to Port Louis
2529	--	Northern Islets of Mauritius

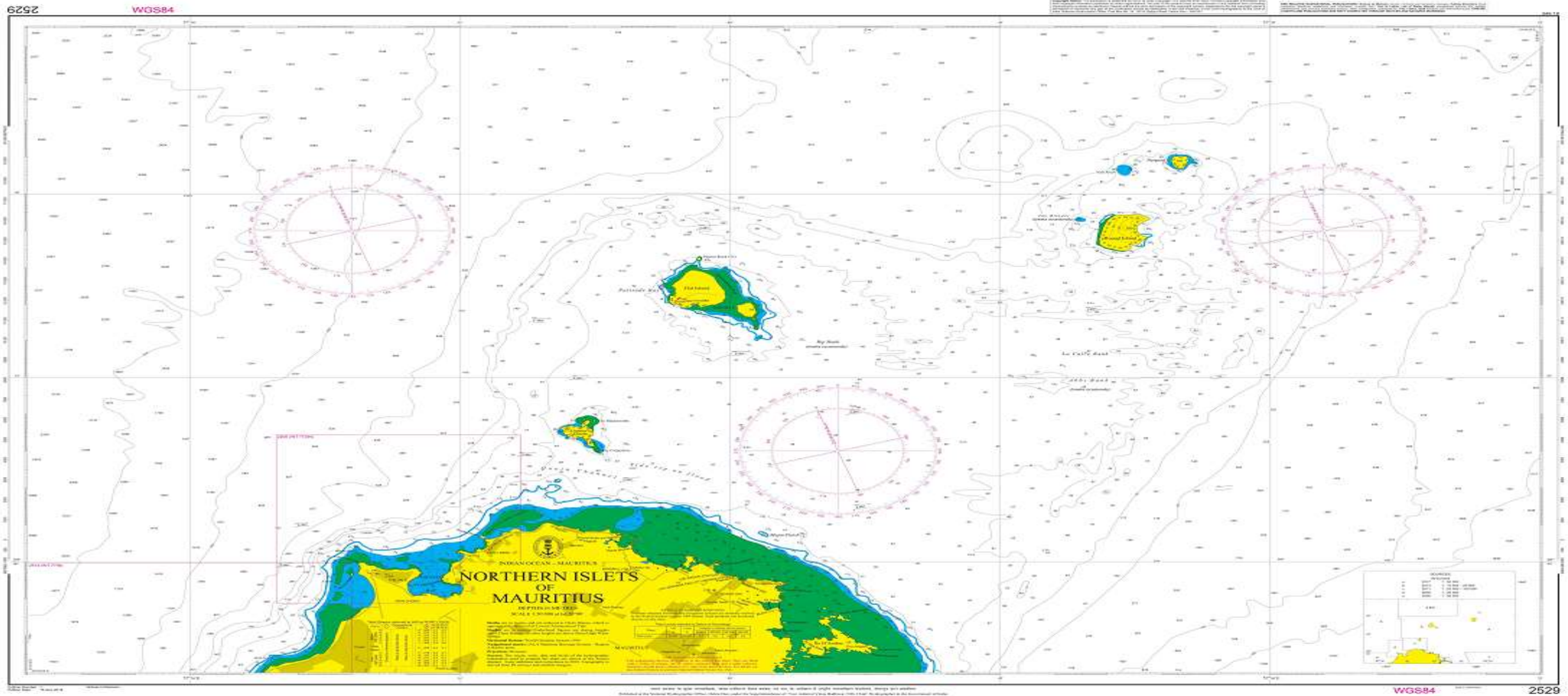


CHARTS PUBLISHED





NORTHERN ISLETS OF MAURITIUS





CHARTS TO BE PUBLISHED



<u>CHART</u>	<u>INT NO</u>	<u>TITLE</u>
2527	77397	Mauritius
2530	--	Approaches to Grand Port
2531	--	Rodrigues Island

NEW TECHNOLOGIES AND SOFTWARE

- Deployment of AUV
- Utilisation of ROV
- Latest data acquisition and processing software

HIPS/SIPS 11.1.9

CARIS PCC



ENC AND PAPER CHART DISTRIBUTION

- Paper charts marketed through our chart agents list in website- www.hydrobharat.nic.in
- Digital catalogue available in web page
- ENCs distributed through: -
 - UKHO
 - C-MAP
 - PRIMAR

INTERACTIVE CATALOGUE

INHO CHART / ENC CATALOGUE

HELP

SEARCH IN:

Chart

INT NO:

CHART NO:

CHART TITLE:

PUB YEAR:

--Select--

FOLIO:

--Select--

SCALES:

1500K-11000K

350K-1500K

90K-350K

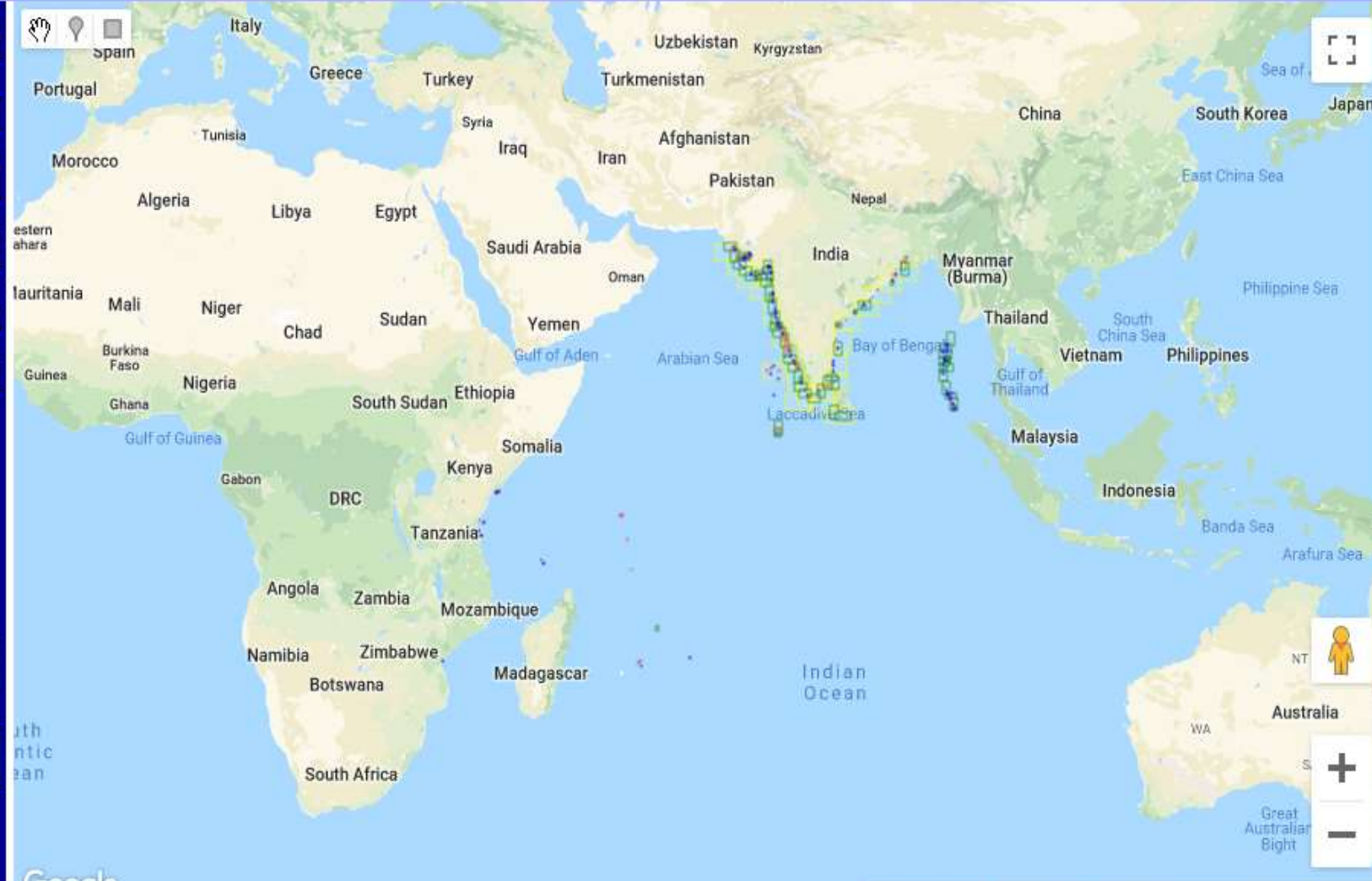
45K-90K

22K-45K

<-22K

Search

Notices to
Mariners



Print



CHARTS SEARCH RESULT:

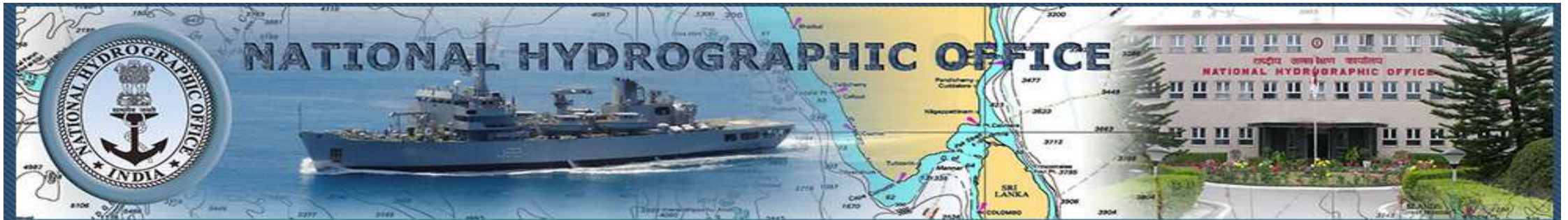
324 item(s) found

Chart No	Folio	ChartTitle	Gen Area	Pub	Scale
4205	6	Revello and Beresford channels	Bay of Bengal	2015	5000
4184	6	Trinkat Champlong Bay	Andaman Sea	2015	2500
4183	6	Approaches to Casuarina Bay	Andaman Sea	2014	2500
4182	6	Campbell Bay & Anderson Bay	Andaman Sea	2014	2500
4181	6	South Bay & Approaches	Andaman Sea	2014	2500
4177	6	Tillanchang Island	Andaman Sea	2017	2500
4173	6	Katchall Island (Western Portion)	Andaman Sea	2018	2500
4165	6	Bompoka Island	Andaman Sea	2012	2500
4164	6	Tarasa Dwip	Andaman Sea	2012	2500
4163	6	Approaches to Chowra Island	Andaman Sea	2012	2500
4162	6	Approaches to Batti Malv Island	Andaman Sea	2015	1500
4161	6	Car Nicobar Island	Andaman Sea	2014	3000

UPDATING OF ENC AND PAPER CHART

- Paper chart updated through N to M fortnightly
- Stake holders requested to forward data / information for updation of charts

ONLINE N TO Ms AND NAVAREA WARNINGS



HOME CHIEF HYDROGRAPHER TRAINING CHART AGENTS FEEDBACK SITEMAP NOTIFICATIONS

ABOUT US

PRODUCTS

SERVICES

- Notices To Mariners
- Navigational Warnings
- Training In Hydrography
- Hydrographic Surveying
- Customer Request Form

ONLINE CATALOGUE

INTERNATIONAL CO-OP.

PICTURE GALLERY

HYDROGRAPHIC NOTE

CONTACT US



FORTNIGHTLY NOTICES TO MARINERS - 2019

Note: Notices to Mariners files are in PDF format and can be best viewed in PDF Reader eg Adobe Reader. If you do not have any PDF Reader installed, Download the same by clicking [here](#) or this icon.



 [Edition 01 of 2019 \(01-Jan-19\).](#)

 [Tracings 01 of 2019 \(01-Jan-19\).](#)

 [Edition 02 of 2019 \(16-Jan-19\).](#)

 [Tracings 02 of 2019 \(16-Jan-19\).](#)

 [Edition 03 of 2019 \(01-Feb-19\).](#)

 [Tracings 03 of 2019 \(01-Feb-19\).](#)

 [Edition 04 of 2019 \(16-Feb-19\).](#)

 [Tracings 04 of 2019 \(16-Feb-19\).](#)

 [Edition 05 of 2019 \(01-Mar-19\).](#)

 [Tracings 05 of 2019 \(01-Mar-19\).](#)

REQUEST FOR MARINE SAFETY INFORMATION

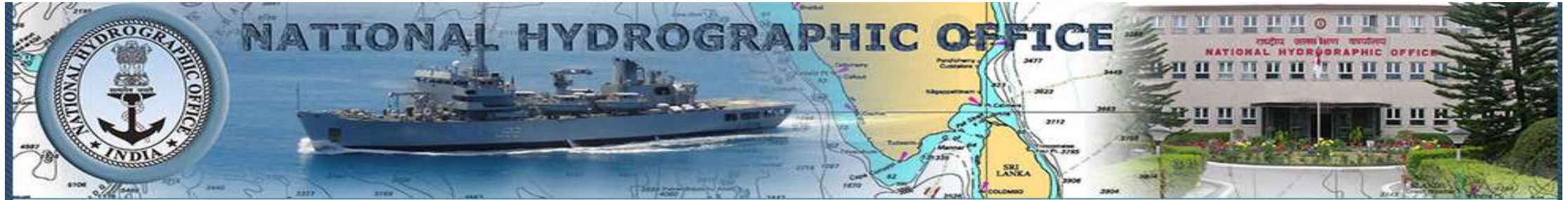
- **Late receipt of Navarea warnings request**
- **Information received directly from the mariners instead of getting routed through National Coordinator**
- **Follow up reports for Navarea cancellation not received**

MARINE SAFETY INFORMATION TRANSMISSION

- NAVAREA ISSUED FOR NAVAREA VIII
- UPDATED WARNINGS AND NTM AVAILABLE ON WEBSITE
- COUNTRYWISE NAVAREA REQUEST FROM COASTAL STATES AREA H ARE :-

<u>Country</u>	<u>Number of Messages</u>	<u>Topics/ Subject of Messages</u>
Kenya	02	Survey & Aid to Navigation
Mauritius	05	Aid to Navigation
Seychelles	02	Aid to Navigation
Reunion Island	09	Firing Exercise, Aid to Navigation
Somalia	Nil	--
Tanzania	01	Aid to Navigation

ONLINE N TO Ms AND NAVAREA WARNINGS



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NAVAREA VIII WARNINGS INFORCE

Area

- East Coast of India
- West Coast of India
- Indian Ocean
- Andaman Sea

Specification

- Buoy
- Light
- Wreck
- Survey

NavArea No

Please define appropriate criteria to get results.

CAPACITY BUILDING - TRAINING

- **Conducted six weeks ENC Workshop 2018-19**
 - Myanmar - 04 Officers Sri Lanka- 02 Officers
 - Mauritius - 02 Officers
- **Planned six weeks ENC Workshop 2019-20**
 - Myanmar – 04 Officers (In Progress)
 - Sri Lanka - 02 Officers Mauritius - 02 Officers



CAPACITY BUILDING - TRAINING

- Conducted NIOHC phase 1 skill course (MSI training)
 - Under IHO CB PLAN – 2018
 - 07 participants one each from Iran, Mauritius, Myanmar, Oman, Seychelles, Sri Lanka and Somalia



MARITIME DISASTERS

- IHO Circular letter 1/2005
 - Initiative by India
 - Proposal in HSSC
 - Examination by NCWG and ENCWG

EMERGENCY CONTACT DETAILS				
Incidents	Agency	Phone Number	Fax Number	E-mail
Collision, Incidents of Piracy, Grounding, Search and Rescue Man overboard, Oil Spill / Pollution Damage to Submarine cable /pipeline	MRCC Mumbai	+91 22 24388065 +91 22 24316558 +91 22 24383592	+91 22 24316558 INMARSAT C - 441907210. AFTN - VABBYXYC	mrcc-west@indiancoastguard.nic.in
	MRCC Chennai	+91 44 25395018	+91 44 23460405	mrcc-east@indiancoastguard.nic.in
	MRCC Port Blair	+91 3192 245530 +91 3192 246081	+91 3192 242948	mrcc-ptb@indiancoastguard.nic.in
Nodal Helpline and Reporting Point for all Maritime related Incidents	DG COMM CENTER (Maritime Administration) Directorate General of Shipping (India)	+91 22 22614646 +91 22 22610606	+91 22 22613636	dgcommcenter-dgs@nic.in

7071 (INT 71)

INDIAN OCEAN NORTHERN PART

(Folio No. 1

New Chart 31 May 2019)

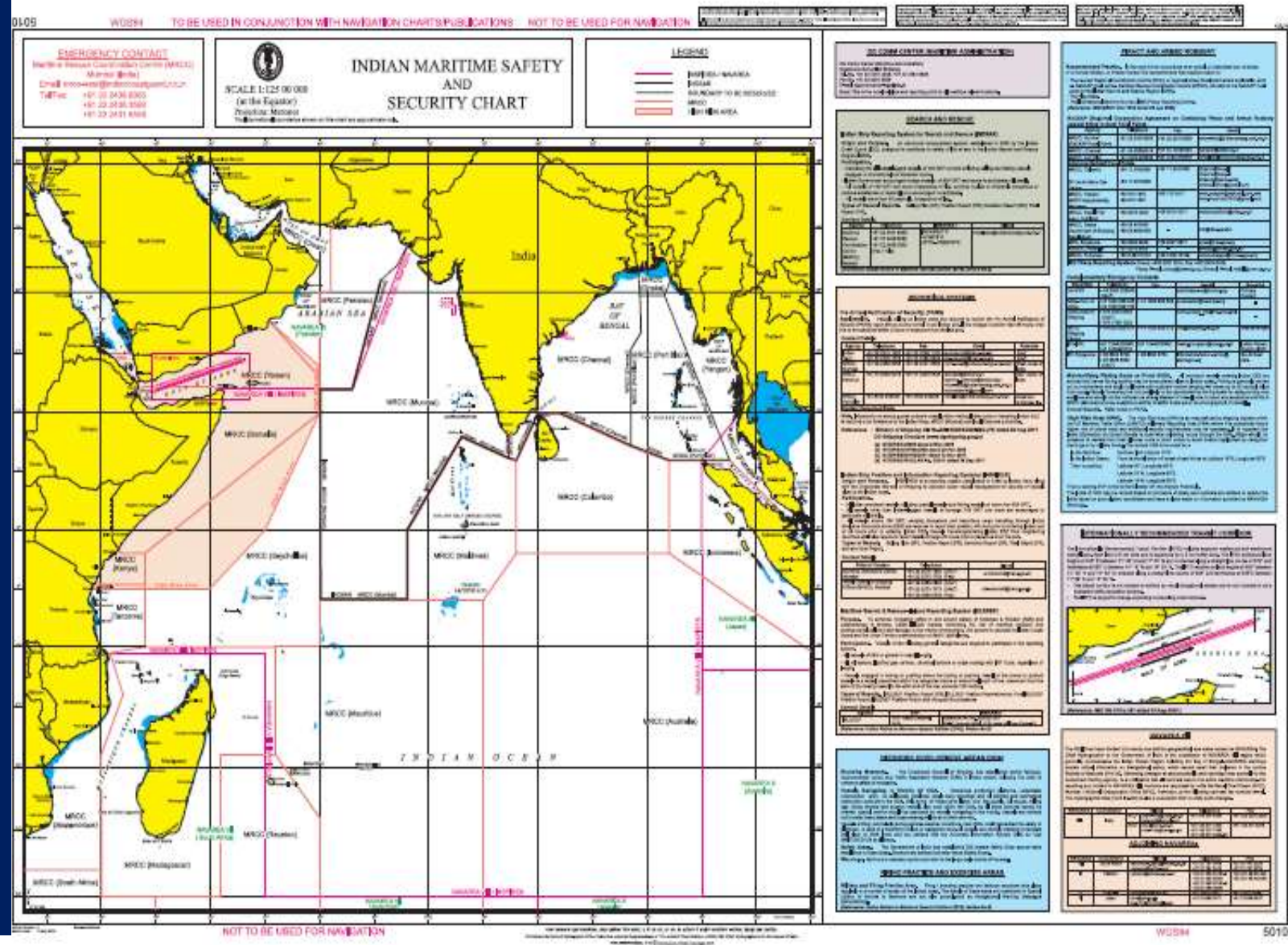
MARITIME DISASTERS

• Indian Maritime Safety and Security Chart

- Provides information on SAR

- Nav area

- Other relevant Information



MARITIME DISASTERS

- Mozambique
 - Cyclone 'IDAI'
 - India – First Responder



ANTARCTICA SURVEY PROGRAMME

- India – member of Hydrographic Committee in Antarctica
- Participated in 2018-19 Indian Antarctica expedition
- Participating in the next summer Antarctica expedition



WORLD HYDROGRAPHIC DAY- INDIA

- Celebrated at WHD on 21 Jun 2019
 - Dehradun
 - NIH Goa
 - onboard *IN* survey ships
- Visit of student fraternity from schools and colleges
- Conducted lectures on theme
‘Hydrographic Information Driving Marine Knowledge’





THANK YOU