

INDIAN NOTICES TO MARINERS



EDITION NO. 17 DATED 01 SEP 2023

(CONTAINS NOTICES 151 TO 152)

REACH US 24 x 7



msis-inho@navy.gov.in
incho@navy.gov.in



+91-135-2748373



National Hydrographic Office
107-A, Rajpur Road
Dehradun – 248001
INDIA



Commander (H)
Maritime Safety Information Services
+91- 135 - 2746290-117

WWW

www.hydrobharat.gov.in

CONTENTS

Section No.	Title
I	List of Charts Affected
II	Permanent Notices
III	Temporary and Preliminary Notices
IV	Marine Information
V	NAVAREA VIII Warnings in force
VI	Corrections to Sailing Directions
VII	Corrections to List of Lights
VIII	Corrections to List of Radio Signals
IX	Corrections to Miscellaneous Nautical Publications
X	Reporting of Navigational Dangers

(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

FEEDBACK: msis-inho@navy.gov.in



INSIST ON INDIAN CHARTS AND
PUBLICATIONS
Original, Authentic and Up-to-Date



© Govt. of India Copyright

No permission is required to make copies of these Notices. However, such copies are not to be commercially sold.

II

MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

Observing changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Government of India at the above mentioned address/fax number/ E mail address immediately on discovering new or suspected dangers to navigation, changes/ defects pertaining to navigational aids, and shortcomings in Indian charts/ publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section IX with this notice. Also visit our website for downloading and filling up instructions for Hydrographic Note.

**Chief Hydrographer
to the Government of India**

WARNING AGAINST USE OF COUNTERFEIT PRODUCTS

All mariners are cautioned against the use of counterfeit copies of IN Charts and publications. Navigational Charts produced after 31 Oct 14 carry NHO crest as watermark on the reverse with backslip. Chart Agent's stamp is mandatory on all Charts.

Counterfeit products may have errors resulting in potential risks. The same are not approved by inspecting agencies and do not satisfy the carriage requirements of SOLAS chapter V.

Mariners are strongly advised not to use or encourage the use of counterfeit charts and publications. Failure to comply with the warning may invite legal action.

III

EXPLANATORY NOTES

Corrections to Charts and Publications. Section I comprises List of Charts affected by the notices contained in this edition. Whereas sections II and III contain information for correcting the charts and publications. Mariners should insist on corrected charts from their chart distributors/agents.

- (a) Geographical positions given are in the horizontal datum of the current edition of the chart, unless otherwise stated.
- (b) Bearings are true, reckoned clockwise from 000° to 359°. Bearings to lights are from seaward.
- (c) Symbols referred to, are those shown on the chart 5020 (INT 1).
- (d) Alterations to depth contours, deletion of depths to make way for new detail, etc; are not normally mentioned, unless they have some navigational significance.
- (e) Blocks and notes, if any, accompanying the Notices in Sections II and III are placed after Section IX.

Temporary and Preliminary Notices. These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. SI Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

Source of Information. A star preceding the number of a Notice indicates that the notice is promulgated by INHO based on original information received.

Sailing Directions. Corrections for the Sailing Directions (Pilots) are given in Section VI.

Lights. Corrections to Indian List of Lights are given in Section VII, where affected Light List number is quoted.

- (a) These corrections should be incorporated as per instructions given on page XI of the List of Lights.
- (b) Such correction notices to list of lights may be published in either an earlier or a later Edition of N to M than the Edition containing the Notice to the chart correction.
- (c) The range of a light given is its nominal range. Its geographical range is given in parenthesis only if it is less than the nominal range.
- (d) A star indicates that the corresponding field is to be amended and all stars indicate that new light is to be inserted.

Radio Signals. The corrections in Section VIII should be cut and pasted in the appropriate volume of the List of Radio Signals.

Radio Navigational Warnings.

- (a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.
- (b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.
- (c) It should be borne in mind that they may be based on reports which cannot always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/Publication concerned.

IV

Laws and Regulations. While in the interest of the safety of shipping, the Hydrographic Office makes every endeavor to include in its publications details of the laws and regulations of all countries pertaining to navigation, it must be clearly understood: -

- (a) That no liability whatsoever can be accepted for failure to publish details of any particular law or regulation and
- (b) That publication of details of a law or regulation is solely for the safety and convenience of shipping and implies no recognition of the International validity of the law or regulation.

Correction of Charts and Publications by the Users. Notices to Mariners contain important information concerning safety of navigation at sea, hence, they should be used to keep the specified charts and publications up-to-date.

Reliance on Charts and Associated Publications. While every effort is made by the Hydrographic Office to ensure the accuracy of the information on Charts and Publications before they are published, it should be appreciated that it may not always be complete and up-to-date. The mariner must be the final judge for the reliance he can place on the information available, bearing in mind his particular circumstances, local pilotage guidance and judicious use of available navigational aids.

Use of Global Positioning System (WGS 84) positions.

- (a) The positions of hydrographic objects shown on some of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist difference in the position values obtained by visual fixing (Everest Datum) and GPS position (WGS 84 datum).
- (b) Wherever these differences have been ascertained, their average values are published as a Cautionary Note on the chart concerned, as shifts in Latitude and Longitude. Whilst plotting GPS positions on charts, the shift values as given on the chart must be applied, before making any assessment of the navigational situation vis-à-vis the other charted information.
- (c) These datum shift values are not uniform, particularly in areas off Andaman and Nicobar and Lakshadweep Islands, as these places are not linked to mainland network (Everest datum). Mariners are advised to use alternate source of position information such as Visual or Radar, particularly when closing the shore or navigating in the vicinity of dangers.

Source Data on Charts. All Indian charts contain specific information on their source of hydrographic data. In areas where the source data is very old, incomplete and less reliable, the mariner must use such charts with prudence. Mariner should always use the largest scale charts available for the area. Apart from being the most detailed, the larger scale charts are usually corrected first. Hydrographic information may be sparse on small scale charts. On such charts, a charted shoal may be in error as regards position, least depth and extent. Uncharted dangers may also exist, particularly in areas away from well-established routes. Mariners must exercise due caution.

Further Guidance. The Mariner's Hand Book (NP 100) gives full explanation on the use of charts and the type of information contained on charts. In their own interest, all users of charts should refer to it.

NEWLY PUBLISHED INDIAN CHARTS, ENC_s AND PUBLICATION

1. The new Indian Charts that are available for mariners in the market are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
Nil					

2. The new edition Indian Charts that are available for mariners in the market are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
Nil					

3. The Indian Charts that are permanently withdrawn is as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart/ Edition</i>	<i>Date of Publication</i>
Nil				

4. The new Indian Electronic Navigational Charts that are available for mariners in the market are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
Nil			

5. The new edition Indian Electronic Navigational Chart that are available for mariners in the market are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
Nil			

6. The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
Nil			

7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2527 (INT 77397)	MAURITIUS	1,25,000	NEW EDITION
2529 (INT 7601)	NORTHERN ISLETS OF MAURITIUS	50,000	NEW CHART
2530 (INT 7602)	APPROACHES TO GRAND PORT	30,000	NEW CHART
2531 (INT 7603)	RODRIGUES ISLAND	50,000	NEW CHART

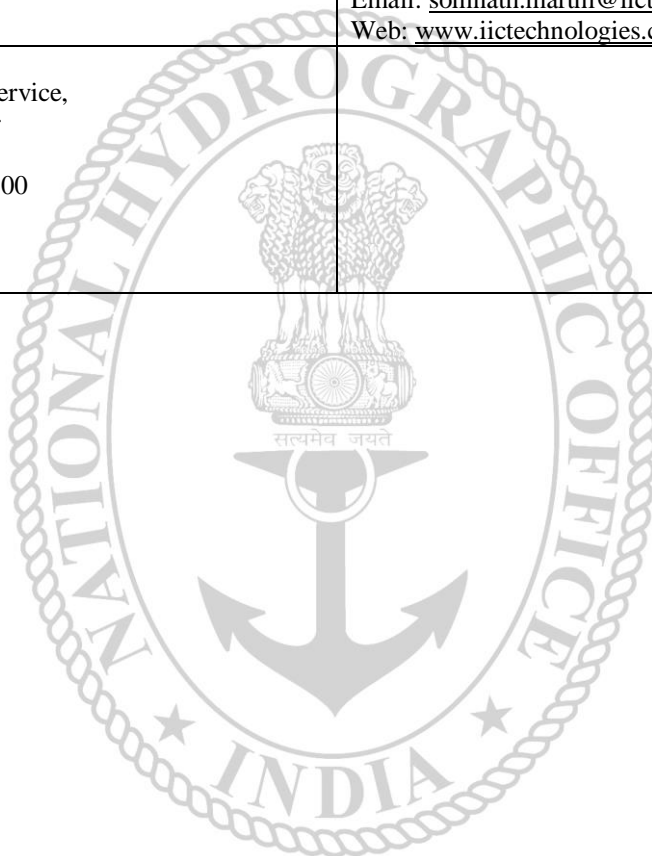
VI

317	PALK BAY WESTERN PORTION	1,50,000	NEW EDITION
4164	TERASSA ISLAND	25,000	NEW CHART

Availability of ENC's

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's through the worldwide network of their agents and distributors. Updates are also made available as per the existing policy of the distributor. Mariners and other ENC users may contact the under mentioned for further details:

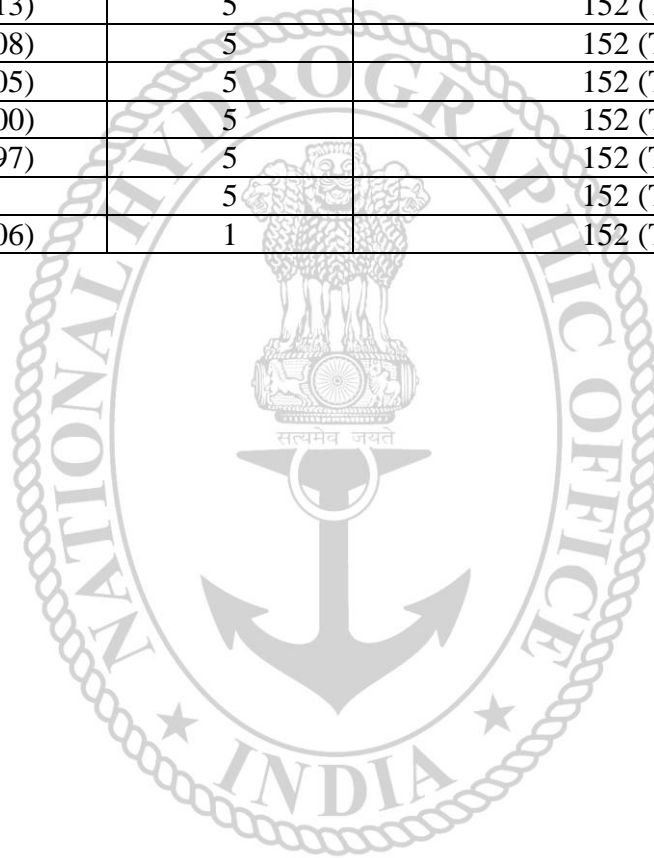
United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel : +44 (0) 1823 337900 Fax : +44 (0) 1823 330561, 1823 284077 Web site : www.hydro.gov.uk	M/s IIC Technologies Limited B-2-350/5/B-22, Road No. 3 Banjara Hills, Hyderabad - 500 034 Telangana Tel: +91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com
M/s Primar Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: data@ecc.no Website: - www.primar.org	



SECTION – I

The list of charts affected by the Notices 151 to 152 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
31 (INT 756)	5	152 (T)
32 (INT 754)	5	152 (T)
33 (INT 755)	5	152 (T)
304	5	152 (T)
305	5	152 (T)
308 (INT 7409)	5	152 (T)
351 (INT 7419)	5	151 (T)
352 (INT 7416)	5	152 (T)
353 (INT 7413)	5	152 (T)
354 (INT 7408)	5	152 (T)
355 (INT 7405)	5	152 (T)
356 (INT 7400)	5	152 (T)
357 (INT 7397)	5	152 (T)
391	5	152 (T)
7706 (INT 706)	1	152 (T)



SECTION – II

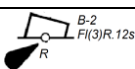


PERMANENT NOTICES

NIL



Section – III**TEMPORARY AND PRELIMINARY NOTICES**

1. It is brought to the information to the users that same or all information contained in this Temporary Notices to mariner may have been included in the relevant ENC's.
2. New TPNMs are now part of ENC updates from 01 Oct 22 onwards.
3. All in force Temporary and Preliminary Notices are available for visualisation along with details of affected Charts and ENCs for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on www.hydrobharat.gov.in.

*151 (T) (17/23)	INDIA – EAST COAST – Paradip to Pussur River – Buoy.	
Source: BNHOC Notice 18(T), 29(T) & 30 (T).		
1. Following buoys are missing from their present location:–		
		21° 27´.92N., 089° 30´.64E.
		21° 28´.62N., 089° 31´.52E.
		21° 31´.39N., 089° 28´.83E.
2. Mariners are advised to navigate with caution in the area and contact Port authority for latest information.		
Charts affected –351 (INT 7419).		

*152 (T) (17/23)		INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.	
Source: NIO, Goa.			
1. Underwater Acoustic Doppler Current Profiler (ADCP) mooring deployed by National Institute of Oceanography, Goa in following positions:–			
ADCP Mooring	Positions		Depth (in meters)
BOPS14	12° 01´.206N	080° 08´.032E	167
BOPD14	12° 01´.915N	080° 11´.492E	187,393,747
BOND6	14° 30´.067N	080° 25´.044E	159,364
BOKD14	16° 01´.446N	082° 02´.655E	178,383,708
BOKS14	16° 10´.743N	081° 59´.021E	175
BOVD13	17° 44´.074N	084° 00´.584E	168,377
BOVS14	17° 48´.461N	083° 59´.581E	113,188
BOGS15	19° 25´.884N	085° 42´.023E	166
BOGD15	19° 23´.857N	085° 47´.400E	190,394,998
BODD6	19° 58´.436N	088° 19´.614E	167,347
2. All positions referred to WGS 84 datum.			
3. Vessels operating in vicinity are to maintain a safe distance from moorings and exercise caution.			
Charts Affected – 31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 304 – 305 – 308 (INT 7409) – 352 (INT 7416) – 353 (INT 7413) – 354 (INT 7408) – 355 (INT 7405) – 356 (INT 7400) – 357 (INT 7397) – 391 – 7706 (INT 706).			
Former INTM 145 (T)/23 is cancelled.			

SECTION – IV

MARINE INFORMATION

1. NAVTEX TRANSMISSION

Status of MSI Promulgation by NAVTEX Stations is as follows:-

Mauritius (Cassis)	- Operational
Seychelles (Mahe)	- Operational
Myanmar (Yangon, Myeik, Kyau Phyu)	- Operational

Following new NAVTEX stations along the Indian coast have commenced operations:-

INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz								
Sl.	Station Name	B1	Broad Cast Timings in UTC					
(a)	Veraval	H	0110	0510	0910	1310	1710	2110
(b)	Vengurla Point	J	0130	0530	0930	1330	1730	2130
(c)	Muttam Point	L	0150	0550	0950	1350	1750	2150
(d)	Porto Novo	O	0220	0620	1020	1420	1820	2220
(e)	Vakalpudi	Q	0240	0640	1040	1440	1840	2240
(f)	Balasore	S	0300	0700	1100	1500	1900	2300
(g)	Keating Point	V	0330	0730	1130	1530	1930	2330

2. MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS

All merchant vessels entering Indian EEZ are advised that dense fishing activity may be encountered off West Coast of India. Fishing is generally carried out by mechanized boats and single hull boats with outboard motors carrying 4-5 crews using long lines upto 50 NM from coast. The vessels traversing the nets are likely to be approached by fishing boats for safeguarding nets and lines and should not be mistaken as skiffs and PAG's. Masters of vessels to report any suspicious activity of fishing vessels immediately to MRCC (Mumbai) on telephone +91-22-24388065, 24316558, Email: - mrcc-west@indiancoastguard.nic.in. Any suspicious activity of skiffs/ boats to be photographed if possible. Merchant vessels with armed guards on board are to report presence of guards to Indian Navy/Coast Guard while transiting Indian EEZ.

3. DISPLAY ANOMALIES IN ECDIS

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website www.iho.int, to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode. Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html for further information.

(b) Some Electronic Chart Display and Information Systems (ECDIS) may exhibit operating anomalies. The International Maritime Organization's (IMO) circular SN.1/CIRC.312 pages /imodocs.aspx (registration required) lists identified anomalies, Their characteristics and remedial advice. Mariners are reminded that they should access the International Hydrographic Organization (IHO) data presentation and performance check (DPPC) dataset (news links of <http://www.iho.int/srv1>) and ensure that all installed ECDIS units are checked.

4. **SAFETY FAIRWAYS, RECOMMENDED ROUTES, TRAFFIC SEPARATION SCHEME**

The Director General Shipping has established Safety fairways, recommended routes and traffic separation scheme (TSS) in restricted Indian waters including the offshore development area to enhance safety of navigation. The details of coordinates are published in the fortnightly Indian Notices to Mariners.

(a) **Safety Fairways:** An area within which permits are not granted for the erection of oil or gas related structures. The use of a safety fairway is not usually mandatory, but is recommended. Safety fairways have been promulgated in and round offshore development area in Arabian Sea up to the Exclusive Economic Zone (EEZ) due to increased weather related marine accidents and dense traffic. These are mandatory for all Indian ships and vessels transiting through the ODA and recommendatory for all foreign flag ships and vessels irrespective of size.

(b) **Traffic Separation Schemes (TSS):** The TSS is mandatory for all Indian and foreign flag ships and vessels entering and leaving.

5. **GAGAN SYSTEM COMMISSIONED FOR OPERATIONS**

The GAGAN System is now commissioned for safety of life, civil aviation, and en- route operations in addition to all other non-aviation applications. The GAGAN signal is being broadcasted through GSAT-8 and GSAT-10 with PRN127& 128 respectively. All the GPS users are requested to enable SBAS functionality in their receivers, configure it to receive PRN- 127& 128 and avail the benefits of GAGAN in terms of increased accuracy and reliability. There may be occasional signal outages due to system up-gradation activities.

6. **USAGE OF THURAYA/ IRIDIUM AND SATELLITE PHONE**

(a) The use of Thuraya, Iridium and other such satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act. It is intimated to all shipping companies/ shipping agents that use of Thuraya/ Iridium and other such satellite phones are banned in Indian waters and seafarers should not use the same.

(b) Satellite phones can be used only after no objections certificate issued by department of telecommunication (DOT) on a case to case basis. The shipping agents should mandatorily intimate the details of person carrying Thuraya and the particulars of Thuraya, Iridium and other such sets in Pre Arrival Notification on Security (PANS).

(c) The unauthorized holders of Thuraya/ Iridium and other such Satellite phones can be prosecuted under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act.

7. **CAUTIONARY NOTE**

There is a finite amount of lag between publication of large and small scale Indian Nautical Charts. To avoid uncertainty the mariners are advised to use large scale charts for coastal navigation wherever applicable and available. In addition, mariners are to refer large scale charts in conjunction with small scale charts in areas where both overlap during both planning and conduct of passage.

8. **ADVISORY FOR ALL VESSELS NAVIGATING INDIAN WATERS**

(a) All vessels navigating in Indian waters are cautioned to keep a sharp look-out for fishing vessels and small crafts, as there have been several incidents of collisions with such vessels in the past resulting in loss of innocent lives as well as damage to property.

(b) It is further cautioned that all vessels need to exercise extreme care while navigating during hours of darkness as such vessels are generally of primitive built (wood/fibre/etc) due to which it may not be detected on ship's radar, especially during adverse weather conditions. Also, such vessels may not be properly lit, or sometimes, only one vessel may be lit among multiple vessels in a cluster.

(c) The general areas of concern on the west coast of India are the areas of convergence and divergence of traffic, mainly between Mangalore to Kanyakumari (Cape Comorin). Further, in these areas, additional caution needs to be exercised and wide berth be given to all such vessels.

- (d) All fishing vessels are also cautioned to avoid fishing in areas having high density traffic. All fishing vessels are also required to always maintain proper lookout by sight, hearing and by all available means and comply with all applicable provisions of Collision Regulations.

List of Indian Chart Agents

OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com	M/s VDO Marine Instruments Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmain@md4.vsnl.net.in
M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor, 58, Dr. SunderlalBahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: sales@globalcharts.in Web: www.globalcharts.com.sg	SMS Marine Private Ltd 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@c-map.co.in , raj.chakravorty@smsmap.com Web: www.smsmaps.co.in
M/s C & C Marine Combine 25 Bank Street, 1 st Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: vijay@ccmarine.in , sales@ccmarine.in	M/s Global Marine Infratech Pvt. Ltd. SikshaSandan, Ground Floor, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +91-9337477799, 7077702499 Email: tusarkantha@gmiindia.in Web: www.gmiindia.in
M/s JM Maritime Services 24/24C Kavarana Building, Ground Floor, WadiBunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in , charts@mtnl.net.in	L. R. Marine Services 301, 3rd Floor, Biryia House, 265, PerinNariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com , lrmarine@live.com
M/s Lift o Marine Allen's Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: sankar@liftomarine.org , liftomarine77@gmail.com Web: www.liftomarine.org	IIC Technologies Limited 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com
M/s Zenith Surveys (I) Pvt. Ltd. Lakhani'sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com nyvmane@yahoo.com Web: www.zenithsurvey.com	M/s CNC Office No. S-12-92, Haware's Centurion Premises Coop. Soc. Ltd Plot no 88-91, Sector 19, NERUL, Navi Mumbai – 400706 Tel: +91 22 22660017/ +91 22 49747575 Cell No: +91 9920654848/ +91 7506097212 Email: sales@emariner.net

SECTION – V**NAVAREA – VIII WARNINGS IN FORCE.**

1. All in force NAVAREA and NAVTEX messages 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.
2. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2020.
3. NAVAREA VIII Warnings in force as on 01 Sep 23: -

2022 SERIES -	049	118	134	162	237	253	259	286	313	445	461	476	497	519	601	617	646	757
	856	997																
2023 SERIES -	064	116	161	178	179	240	280	307	386	455	456	484	574	593	604	622	655	674
	675	676	695	696	703	712	725	727	733	738	741	742	747	748	749	750	754	755
	760	761	762	763														

4. NAVAREA VIII Warnings issued during the period from 16 Aug 23 to 31 Aug 23 (both dates inclusive) are as tabulated below: -

722. Southern Indian Ocean. Charts IN 7070 7072 INT 72. Space debris predicted from 17 to 23 Aug 23 between 0043 UTC and 0815 UTC in area bounded by 08-53S 092-28E, 07-46S 089-27E, 30-12S 061-09E, 40-45S 002-21W, 42-56S 002-24W, 32-16S 063-10E. Wide berth from area advised. 2. Cancel this MSG 230915 UTC Aug 23.
723. India East Coast - off Chennai. Charts IN 32 313 356 391 INT 7400. Firing by CG aircraft scheduled from 180130 to 181130 UTC Aug 23 in danger area bounded within 12-49N to 12-59N and 080-46E to 081-26E. Wide berth from area advised. 2. Cancel this MSG 181230 UTC Aug 23.
724. Andaman Sea - off Barren I. Charts IN 41 473 7706 INT 7031. Firing by CG aircraft scheduled from 180830 to 181030 UTC Aug 23 in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised. 2. Cancel this MSG 181130 UTC Aug 23.
725. India West Coast - Gulf of Kachchh. Charts IN 21 203 2068 7071 INT 7319. Chank Tapu Lt (22-32.90N 069-24.57E) unlit.
726. Cancel NAVAREA VIII MSG 680/23 and this MSG (. 147 of INTM 16/23 Refers.
727. India East Coast. Charts IN 31 304 352 353 7706 INT 7416. Rig move. West Polaris (19-28.44N 086-18.66E), Olinda Star (19-33.35N 086-13.90E). Refer to 144(T) of INTM 15/23. Wide berth requested. 2. Cancel NAVAREA VIII MSG 698/23.
728. Bay of Bengal - off Myanmar. Charts IN 31 7706 BA 830 INT 706. Rocket debris predicted from 201600 to 202200 UTC Aug 23 in area bounded by 17-44N 093-30E, 17-38N 093-57E, 16-57N 093-48E, 17-03N 093-20E. Wide berth from area advised. 2. Cancel this MSG 202300 UTC Aug 23.
729. Andaman Sea - off Barren I. Charts IN 41 473 7706 INT 7031. Firing by CG aircraft scheduled from 220830 to 221030 UTC Aug 23 in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised. 2. Cancel this MSG 221130 UTC Aug 23.
730. India West Coast - off Mormugao. Charts IN 22 293 7703 INT 752. Firing by aircraft scheduled 21 to 31 Aug 23 from 0500 to 0630 UTC and 1000 to 1100 UTC in danger areas bounded by (a) 15-36N 071-50E, 14-39N 073-40E, 14-00N 074-00E, 13-37N 073-00E, 14-31N 071-24E (b) 15-44.06N 072-53.96E, 15-53.06N 073-11.96E, 14-58.06N 073-37.96E, 14-50.08N 073-18.96E. Wide berth from area advised. 2. Cancel this MSG 311200 UTC Aug 23.
731. NAVAREA VIII - Warnings in force as on 18 Aug 2023. 2022 Series - 049 118 134 162 237 253 259 286 313 445 461 476 497 519 584 601 617 646 757 856 997 2023 Series - 037 064 116 161 178 179 240 280 307 386 455 456 484 574 593 604 622 655 674 675 676 682 687 688 693 695 696 703 712 718 720 722 725 727 728 729 730 (a) NAVAREA VIII warnings less than 42 days promulgated via safetynet.

731. Continued.
(b) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in www.hydrobharat.gov.in .
2. Cancel this MSG 251000 UTC Aug 23.
732. Indian Ocean - off Reunion. Charts IN 7702 BA 712 INT 702. Gunnery exercise scheduled from 220400 to 220900 UTC Aug 23 in danger area bounded by 21-12S 054-57E, 21-39S 054-33.5E, 21-19.5S 054-25.9E, 21-26S 055-02.5E. Wide berth from area advised.
2. Cancel this MSG 221000 UTC Aug 23.
733. India West Coast - off Dighi. Charts IN 21 211 256 2036 7706 INT 7340. Fishing boat Banai Sagar reported sunk in approximate position 18-14.66N 072-53.16E. Mariners to exercise caution.
734. India West Coast - off Porbandar. Charts IN 21 204 252 271 292 INT 7021. IAF firing scheduled 23 to 30 Aug 23 from 0230 to 0530 UTC, 0730 to 1030 UTC and 1430 to 1630 UTC in danger area bounded by 22-12N 068-36.33E, 21-15.5N 069-04E, 21-09N 069-40E, 21-15.5N 069-42.5E, 22-05.75N 068-49E. Wide berth from area advised.
2. Cancel this MSG 301730 UTC Aug 23.
735. India East Coast - off Balasore. Charts IN 31 301 351 3011 INT 7419. Experimental flight trials scheduled 23 to 26 Aug 23 from 1330 to 1730 UTC in danger area bounded by (a) 20-57N 086-54E (b) 21-13N 087-23E (c) 21-31N 087-42E (d) 21-41N 087-45E. Danger area extending up to coastline joining point a and d. Wide berth from area advised.
2. Cancel this MSG 261830 UTC Aug 23.
736. Southern Indian Ocean. Charts IN 7070 7072 7073 INT 73. Space Debris predicted from 23 to 31 Aug 23 between 0014 UTC and 0713 UTC in area bounded by 08-53S 092-28E, 07-46S 089-27E, 30-12S 061-09E, 40-45S 002-21W, 42-56S 002-24W, 32-16S 063-10E. Wide berth from area advised.
2. Cancel NAVAREA VIII MSG 722/23 and this MSG 310813 UTC Aug 23.
737. Indian Ocean. Charts IN 7070 7073 INT 73. Rocket Debris predicted from 250300 to 250900 UTC Aug 23 in area bounded by 07-00S 089-06E, 07-09S 089-49E, 09-47S 089-16E, 09-38S 088-33E. Wide berth from area advised
2. Cancel this MSG 251000 UTC AUG 23.
738. Andaman sea. Charts IN 33 408 4165 7071 INT 7446. Bompoka Island Lt (08-13.45N 093-14.75E) inoperative.
739. Cancel NAVAREA VIII MSG 037/23 and this MSG.
740. India West Coast - off Kollam. Charts IN 22 260 7706 INT 7362. Firing scheduled 25, 26 Aug 23 from 0430 to 1130 UTC in danger area bounded within 08-50N to 09-00N and 075-05E to 075-15E. Wide berth from area advised.
2. Cancel this MSG 261230 UTC Aug 23.
741. India West Coast - off Revdanda. Charts IN 21 211 255 292 2077 INT 7334. Chaul Kadu Reefs Lt (18-35.82N 072-50.94E) unlit.
742. India East Coast. Charts IN 31 355 391 7706 INT 7405. Rig move. Platinum explorer (16-06.95N 082-19.70E). refer to 144(T) of INTM 15/23. Wide berth requested.
743. Cancel NAVAREA VIII MSG 734/23 and this MSG.
744. India West Coast - off Daman. Charts IN 21 254 292 INT 7331. Firing by CG aircraft scheduled from 260230 to 261130 UTC Aug 23 in danger area bounded within 20-26N to 20-40N and 072-27E to 072-40E. Wide berth from area advised
2. Cancel this MSG 261230 UTC Aug 23.
745. Cancel NAVAREA VIII MSG 584/22 and this MSG.
746. Andaman Sea - off Barren I. Charts IN 41 473 7706 INT 7031. Firing by CG aircraft scheduled from 290830 to 291030 UTC Aug 23 in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised.
2. Cancel this MSG 291130 UTC Aug 23.
747. Southern Indian Ocean. Charts IN 7070 7073 INT 73. Space debris predicted from 29 Aug to 04 Sep 23 between 0022 UTC and 0705 UTC in area bounded by 08-52S 092-27E, 07-45S 089-27E, 30-12S 061-09E, 40-45S 002-20W, 42-56S 002-23W, 32-15S 063-10E. Wide berth from area advised.
2. Cancel this MSG 040805 UTC Sep 23.
748. India West Coast – Karwar. Charts IN 22 215 257 2010 7706 INT 7343. Chanel marking buoy G1 (14-44.43N 074-07.58E) missing. Chanel marking buoy G5 (14-45.64N 074-07.58E) submerged.
749. NAVAREA VIII - Warnings in force as on 25 Aug 2023.
2022 Series - 049 118 134 162 237 253 259 286 313 445 461 476 497 519 601 617 646 757 856 997
2023 Series - 064 116 161 178 179 240 280 307 386 455 456 484 574 593 604 622 655 674 675 676 682 687 688 693 695 696 703 712 718 720 725 727 730 733 735 736 738 740 741 742 744 746 747 748
(a) NAVAREA VIII warnings less than 42 days promulgated via safetynet.
(b) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in www.hydrobharat.gov.in .
2. Cancel this MSG 011000 UTC Sep 23

750. India West Coast - off Okha. Charts IN 21 203 2068 7705 INT 7319. Fishing boat Faizle Mustafa reported sunk in approximate position 22-37.70N 068-58.90E. Mariners to exercise caution.
751. Indian Ocean - off Reunion. Charts IN 7702 BA 712 INT 702. Gunnery exercise scheduled 29 to 31 Aug 23 from 0500 to 1100 UTC in danger area bounded by 21-12S 054-57E, 21-39S 054-33.5E, 21-19.5S 054-25.9E, 21-26S 055-02.5E. Wide berth from area advised. 2. Cancel this MSG 311200 UTC Aug 23.
752. Lakshadweep Sea. Charts IN 22 7706 INT 752. Cs responder progressing cable installation works in vicinity of 06-19.86N 075-49.62E, 06-16.92N 075-05.34E, 06-22.71N 075-27.77E, 06-18.67N 075-24.19E, 06-58.61N 075-20.36E, 06-12.73N 075-03.75E, 06-15.43N 075-49.27E. Wide berth requested. 2. Cancel this MSG 301830 UTC Aug 23.
753. India East Coast - off Sagar I. Charts IN 31 301 351 INT 7419. Firing by CG aircraft scheduled from 310430 to 311030 UTC Aug 23 in danger area bounded within 20-37N to 20-52N and 088-30E to 089-00E. Wide berth from area advised. 2. Cancel this MSG 311130 UTC Aug 23.
754. India West Coast - off Vengurla. Charts IN 22 293 INT 7022. Subsurface firing scheduled from 301830 UTC Aug 23 to 011830 UTC Sep 23 in danger area bounded within 15-35N to 16-15N and 072-00E to 072-45E. Wide berth from area advised. 2. Cancel this MSG 011930 UTC Sep 23.
755. India West Coast - Okha. Charts IN 21 202 203 2068 INT 7319. Firing scheduled 01, 02 Sep 23 from 0530 to 0830 UTC in danger sector extending upto 12 nm within bearing 305 and 025 from 22-28.45N 069-04.03E. Wide berth from area advised. 2. Cancel this MSG 020930 UTC Sep 23.
756. India West Coast - Kochi. Charts IN 22 220 259 2004 2029 INT 7356. Firing scheduled (a) 01, 08, 15, 22, 29 Sep 23 from 0900 to 1200 UTC and 1230 to 1430 UTC (b) 04, 11, 18, 25 Sep 23 from 0900 to 1200 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. Wide berth from area advised. 2. Cancel this MSG 291530 UTC Sep 23.
757. Southern Indian Ocean. Charts IN 7070 7072 7073 INT 73. Space Debris predicted from 31 Aug to 07 Sep 23 between 2258 UTC and 0557 UTC in area bounded by 08-53S 092-28E, 07-46S 089-27E, 30-12S 061-09E, 40-45S 002-21W, 42-56S 002-24W, 32-16S 063-10E. Wide berth from area advised. 2. Cancel this MSG 070657 UTC SEP 23.
758. India East Coast - off Gopalpur. Charts IN 31 305 352 353 391 INT 7413. Army Air Defence firing scheduled 01 to 08 Sep 23, 13 to 14 Sep 23, 18 to 23 Sep 23 and 29 to 30 Sep 23 from 0130 to 0830 UTC and 0930 to 1430 UTC in danger area bounded by (a) 19-14.6N 084-53.7E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and ARC of 41 nm radius joining point b and c. Wide berth from area advised. 2. Cancel this MSG 301530 UTC Sep 23
759. India West Coast - off Kochi. Charts IN 22 273 294 INT 752. Cs Responder will carry out submarine cable laying along line joining 07-41.57N 073-54.87E, 07-56.17N 073-29.61E, 07-59.08N 072-43.80E, 08-13.06N 072-17.66E, 08-37.90N 071-51.17E, 09-34.93N 071-17.67E, 09-58.32N 071-07.60E, 10-30.02N 071-02.83E, 11-04.04N 070-41.90E, 11-21.74N 071-35.19E from 31 Aug to 20 Sep 23. Wide berth requested. 2. Cancel this MSG 201830 UTC Sep 23.
760. Bay of Bengal – Sriharikota. Charts IN 32 7706 7707 INT 706. Rocket launch from 13-43.2N 080-13.8E scheduled from 020400 to 020800 UTC Sep 23. 2. Danger Zone As Follows. Zone-1: Circle of 10 nm around launcher. Zone-2: Danger area bounded by 13-30N 080-30E, 13-50N 080-35E, 13-35N 081-30E, 13-15N 081-25E. Zone-3: Danger area bounded by 13-00N 082-10E, 13-30N 082-15E, 12-55N 084-05E, 12-25N 084-00E. Zone-4: Danger area bounded by 12-20N 084-05E, 13-00N 084-15E, 12-45N 085-10E, 12-05N 085-00E. Zone-5: Danger area bounded by 11-10N 088-25E, 11-45N 088-35E, 11-25N 089-50E, 10-50N 089-40E. Zone-6: Danger area bounded by 09-05N 094-50E, 09-55N 095-05E, 09-35N 096-00E, 08-45N 095-45E. Zone-7: Danger area bounded by 19-00S 132-40W, 17-00S 132-40W, 13-00S 112-00W, 06-30S 091-00W, 08-30S 091-00W, 15-00S 112-00W. 3. Wide berth from area advised. 4. Cancel this MSG 020900 UTC Sep 23.
761. India West Coast - off Malvan. Charts IN 22 293 2042 7706 INT 7022. Hydrographic survey will be carried out from 01 to 25 Sep 23 in area bounded within 15-58.70N to 16-05N and 073-24E to 073-29.50E. Wide berth requested 2. Cancel this MSG 251830 UTC Sep 23.
762. India East Coast – Sriharikota. Charts IN 32 356 7706 INT 7400. Rocket launch scheduled from 030400 to 030600 UTC Sep 23. 2. Danger zones as follows. Zone-1: Circle of 10nm around 13-41N 080-14E.

762. Continued.

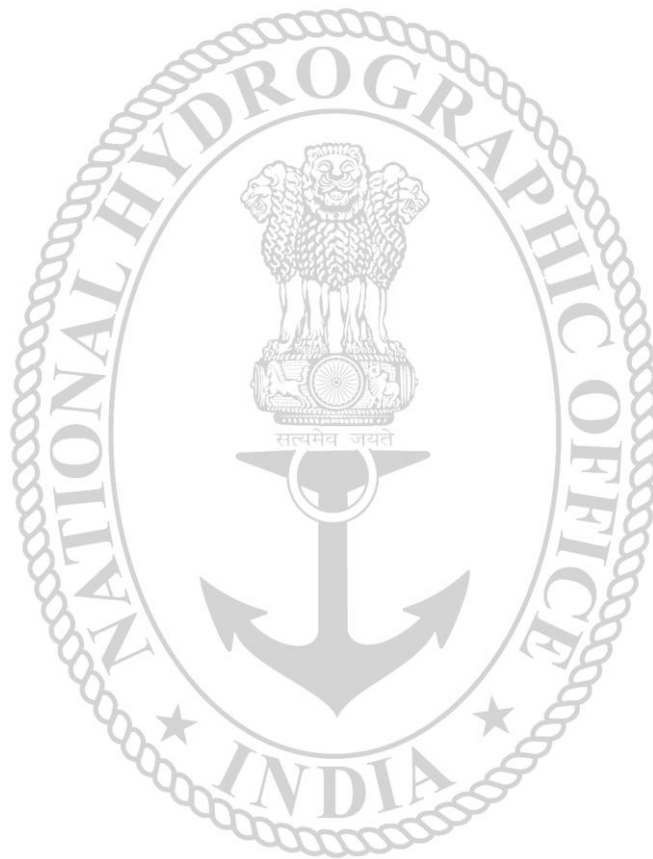
Zone-2: RadII of 45 nm and 75 nm between azimuth 080 and 120.

3. Wide berth from area advised.

4. Cancel this MSG 030700 UTC Sep 23.

763. Southern indian ocean. Charts IN 7070 7073 INT 73. Space debris predicted from 03 to 10 SEP 23 between 2233 UTC and 0533 UTC in area bounded by 08-52S 092-27E, 07-45S 089-27E, 30-12S 061-09E, 40-45S 002-20W, 42-56S 002-23W, 32-15S 063-10E.) Wide berth from area advised.

2. Cancel this MSG 100633 UTC Sep 23.




SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VII

CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D7320-4	MASCAT (MASQAT) - Khawr Muscat. Al'Alam Palace. Breakwater	23 37.04 N 58 35.71 E	LFI R 6s	2	3	Mast	..
						*	
D7685.5	JAZIEREH-YE LAVAN (IR) -	26 49.37 N 53 11.85 E	FI W 15s	..	9	Metal framework tower	..
*	*	*	*	*	*	*	*
D7708-4	BANDAR-E SHAHID RAJAI - E Inner Breakwater. Head	27 05.52 N 56 04.08 E	FI(2)G 5s	5	7	Pile	..
			*				
D7708-5	- W Breakwater. Spur	27 05.27 N 56 03.86 E	FI(2)R 5s	5	7	Pile	..
			*				
D9166-83	NORTH FIELD (CHARLIE) GASFIELD - <i>Al Shaheen. SPM 4</i>	26 40.38 N 51 53.90 E	Mo(U)W 15s	..	..	Superbuoy	TE 2023
							*
F0361-91	GULF OF KACHCHH. PORT OF MUNDRA Remove from list; deleted						
F0362-01	Remove from list; deleted						
F0362-1	Remove from list; deleted						
F0362-11	Remove from list; deleted						
F1584	PELABUHAN KLANG. NORTH APPROACHES - Batuan Penyu	03 13.80 N 101 12.71 E	FI(2)W 5s	6	10	White column on piles	TE; Replaced by light buoy Q(9)15s5M, with V-AIS close NW (T) 2022
	--	..	Racon	..	..	..	ILRS Vol 2 Station 79840
							*
F1685-78	SINGAPORE PORT. SELAT SINKI - Banyan	01 13.35 N 103 41.58 E	FI(2)W 10s	11	W 8 W 5	Black  on black beacon, red band	Dual intensity, alternates between 8M and 5M
	--	..	AIS	..	..	..	MMSI No 995631118
					*		*

SECTION – VIII **CORRECTION TO LIST OF RADIO SIGNALS**

INP 31(1), 2019*(Last correction: Edition No. 16 dated 16 Aug 2023)*

NIL

INP 31(2), 2019*(Last correction: Edition No. 11 dated 01 Jun 2023)*

NIL

INP 31(5), 2021*(Last correction: INP 31(5), 2017, Edition No. 24 dated 16 Dec 2021)***Page 67,68, Sea Area A1: List of VHF DSC Coast Stations, India***Insert new Stations below Daman:*

MAYABANDER	12°55'N 92°53'E	004194407	20	Operational (MRCC Port Blair)
GOPALPUR	19°18'N 84°57'E	004194403	20	Operational (MRCC Chennai)
KARAIKAL	10°53'N 79°49'E	004194405	20	Operational (MRCC Chennai)
NIZAMPATNAM	15°53'N 80°38'E	004194402	20	Operational (MRCC Chennai)
JAKHAU	23°13'N 68°37'E	004192208	20	Operational (MRCC Mumbai)
MUNDRA	22°46'N 69°40'E	004192207	20	Operational (MRCC Mumbai)
PIPAVAV	20°55'N 71°30'E	004192207	20	Operational (MRCC Mumbai)
ANDROTH	10°48'N 73°40'E	004192209	20	Operational (MRCC Mumbai)
BEYPORE	11°10'N 75°48'E	004192205	20	Operational (MRCC Mumbai)
KAVARATTI	10°32'N 72°37'E	004192209	20	Operational (MRCC Mumbai)
PUDUCHERRY	11°55'N 79°49'E	004194401	20	Operational (MRCC Chennai)
VADINAR	22°24'N 69°42'E	004192210	20	Operational (MRCC Mumbai)
MINICOY	08°16'N 73°01'E	004192209	20	Operational (MRCC Mumbai)
MURUD JANJIRA	18°16'N 72°59'E	004192203	20	Operational (MRCC Mumbai)
VIZHINJAM	08°22'N 76°59'E	004192205	20	Operational (MRCC Mumbai)

Page 73, Sea Area A2: List of MF DSC Coast Stations, India*Insert new Stations below Daman Cgas:*

KARAIKAL	10°53'N 79°49'E	004194405	250	Operational (MRCC Chennai)
TUTICORIN	08°45'N 78°11'E	004194405	250	Operational (MRCC Chennai)

Page 76, Sea Area A3/A4: List of HF DSC Coast Stations, India*Insert new Stations below Daman Cgas:*

KARAIKAL	004194405	4,6,8,12 & 16 MHz	Operational (MRCC Chennai)
TUTICORIN	004194405	4,6,8,12 & 16 MHz	Operational (MRCC Chennai)

Page 166, OMAN*Delete entry and replace by:*

OMAN			
National SAR Agency: Royal Air Force of Oman Address: Headquarters, Royal Air Force of Oman, P.O. Box 722, Postal Code 111, Oman Tel: +968 24334211, 24334212, 24334305 & 24334244 Fax: +968 24334776 & 24334743 Telex: +498 5592 RAFO OMAN ON			
The Royal Air Force of Oman is responsible for coordinating Search and Rescue operations. Masqat (Muscat) (A4M) maintains a continuous listening watch on international distress frequencies.			
	Telephone +968	Fax +968	Others
RCC MASQAT (MUSCAT) OMAN AIR FORCE (Cospas- Sarssat SPOC)	24338211 24332212	24334776 24334743	AFTN: OOMSYCYX & OOMMZRX Telex: +4985592 RAFO OMAN ON
ROYAL NAVY OF OMAN	24338805	24334730	Telex: +498 5593 RNO OMAN ON
ROYAL OMAN POLICE COAST GUARD	24714888 24711399	24714937	Telex: +498 5178 POLMAR Email: coastguard@rop.gov.om
MUSCAT RADIO	24571400 24571500 24571300	24562995	Telex: +498 5310 MUSRAD ON

Page 168, SEYCHELLES,**National SAR Agency & JRCC SEYCHELLES (Cospas Sarsat SPOC), e-mail:***Delete entry and replace by:*e-mail: mrcc@sdf.sc**Page 169, SRI LANKA***Delete entry and replace by:*

SRI LANKA			
National SAR Agency: Sri Lanka Navy Address: Naval Head Quarters, Colombo, Sri Lanka Tel: +94 11 2423645 Fax: +94 11 2424651			
Maritime Search and Rescue operations are coordinated by the Sri Lankan Navy. MRCC Colombo is manned 24 hours by a duty staff officer of the Sri Lankan Navy. Colombo Radio (4PB) maintains a continuous listening watch on 2182 kHz and VHF Ch 16 for distress calls. Galle (4PG), a remote controlled station operated from Colombo Radio maintains a continuous listening watch on VHF Ch 16 for distress calls.			
	Telephone +94	Fax +94	Others
MRCC COLOMBO	11 2445368 11 2212230 11 2212231	11 2441454 11 2449718	Email: mrcccolombo@gmail.com nhqdno@yahoo.com
COLOMBO RADIO (4PB)	11 2423644 11 2423645 11 2423646	11 2424651	

INP 31(6), 2018*(Last correction: Edition No. 16 dated 16 Aug 2023)*

NIL

SECTION – IX

REPORTING OF NAVIGATIONAL DANGERS

Appeal to all Mariners

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / Harbour and other waterways, are requested to look out for new or suspected dangers to navigation, changes in aids to navigation, or corrections to published charts and Sailing Directions. Whenever any such changes / dangers are observed, mariners are requested to notify the same to the Chief Hydrographer to the Government of India at the following address: -

National Hydrographic Office
107-A, Rajpur Road,
Dehradun - 248001
(Uttarakhand), India

e-mail : msis-inho@navy.gov.in, inho@navy.gov.in
Fax No. : +91-135- 2748373
Web : www.hydrobharat.gov.in

Instructions for filling up IH 102

2. Kindly follow the instructions below in order to help the Hydrographic Office (the recipient) to quickly issue NAVAREA warning / Notice to Mariners for the benefit of all other mariners at sea.

Position Reporting

3. Accurate position or knowledge of position error is of great importance. Latitude and Longitude should only be used to specify position details when they have been fixed by GPS or Astronomical Observations. A full description of the method, equipment, time and datum (WGS 84/Everest/Other) used should be given. When position is defined by sextant angles or bearings (true or magnetic to be specified), more than two bearings should be used in order to provide a redundancy check. Distances observed by Radar should be corrected for index errors. Where position is derived after the event, from other observations and/or Dead Reckoning, the methodology of deriving the position should be included.

4. **Paper Charts.** A copy/tracing of largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.

5. **ENCs.** A Screen shot of largest scale usage band ENC with the alterations and additions being shown thereon in red. If it is to report an issue with the display of an ENC, a screen shot of the affected cell should be sent along with details of the ECDIS make and version in use at the time.

Depth Reporting

6. When soundings are obtained using echo sounders, the echo sounding trace should be duly annotated with date, times, position, depths, etc., and forwarded with the IH102. It is important to state whether the echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given. Time and date should be given in order that corrections for the height of the tide may be made where necessary. The make, name and type of echo sounder should also be given.

7. For modern echo sounders that use electronic 'range gating', care should be taken that the correct range scale and appropriate gate width are in use. Older electro-mechanical echo sounders frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set's nominal range can usually be recognised by the following:

- (a) The trace being weaker than normal for the depth recorded;
- (b) The trace passing through the transmission line;
- (c) The feathery nature of the trace.

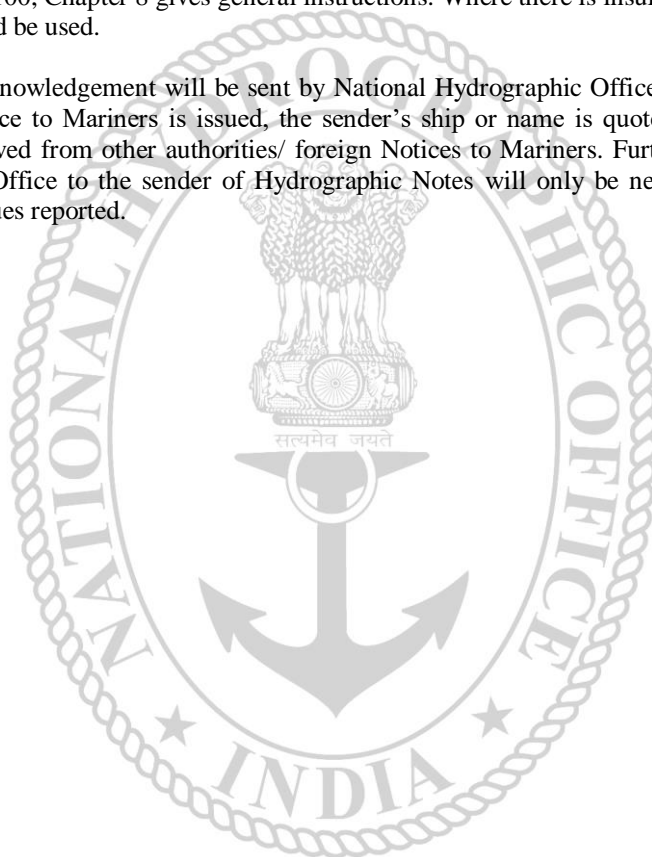
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from the charted depths. Efforts should be made to identify and negate false echoes if any. The Mariners Handbook (NP100) and Notice 15 Special Edition of Notice to Mariners may be consulted.

8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

9. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers in such that any uncharted depth under 30 meters or 15 fathoms may be of sufficient importance to justify a radio message.

10. Changes to Port information should be forwarded on Form IH.102A together with form IH.102. Form 102A contains the information required for Sailing Directions and should be used as an *aide memoir*. The Mariners Handbook, NP100, Chapter 8 gives general instructions. Where there is insufficient space on the forms an additional sheet should be used.

Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further, communication from National Hydrographic Office to the sender of Hydrographic Notes will only be necessary to verify unusual features or abnormal values reported.



HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes Observed (Tick appropriate)	<input type="checkbox"/> Bathymetry		<input type="checkbox"/> Nav. Dangers		<input type="checkbox"/> Nav. aids
	<input type="checkbox"/> Designated Areas		<input type="checkbox"/> Others		
Geographical Position (See Instructions Overleaf)	Latitude		Longitude		
Position Method	<input type="checkbox"/> DGPS	<input type="checkbox"/> GPS	<input type="checkbox"/> Radar	<input type="checkbox"/> Others	
Datum Used	<input type="checkbox"/> WGS84	<input type="checkbox"/> Everest	<input type="checkbox"/> Others		
Charts Affected			Edition		
Latest Edition of Indian Notices to Mariners Held					
Tracing/Plot/Photograph if enclosed					
ENCs Affected					
Latest Update Disk Held					
Publication Affected			Edition		
Page No./Light No. etc					
Details:					
Limitations if any in Reporting the Changes Above					
Details of Documents/Photos attached:					
Signature of the Master/Reporter/Observer					

HYDROGRAPHIC NOTE FOR PORT INFORMATION (To accompany Form IH.102)		IH.102A (Revised 2012)	
Date		Ref. No.	
Name of the Ship or Sender			
Address			
Tel/Fax/E-mail			
1. NAME OF PORT			
Location	Latitude		Longitude
2. GENERAL REMARKS			
Principal activities and trade			
Number of ships and tonnage handled per year			
Maximum size of draught of vessel handled			
Copy of Port handbook (if available)			
3. ANCHORAGES			
Type / Purpose			
Minimum depth at anchorage			
Shelter afforded			
Holding ground			
Recommended pilotage to the anchorage			
4. PILOTAGE			
Authority for request			
Embarkation position			
Regulations			
Documents to be provided			
Recommended pilotage to approach of Harbour and Berths			
Information on VTMS			
5. DIRECTIONS			
Entry and Berthing Information			
Tides (Height)			
Tidal Stream Information			
Wind Speed and Direction			
Navigational Aids (Beacons / Buoys / Lights / Etc.)			
6. POLLUTION CONTROL			
Local regulation in force (If Any)			
7. TUGS			
Number available / Tug type			
Maximum HP / Bollard pull			

7. TUGS (Continued)	
Requesting authority	
Availability timing / Communication	
Hiring charges	
8. BERTHING AND WHARVES	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
9. CARGO HANDLING	
Containers	
Lighters & Ro-Ro etc.	
10. CRANES	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
11. BRIDGES	
Vertical clearance	
12. REPAIRS	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
13. SERVICES	
Radio / FAX / Telephone / Internet etc.	
Medical	
Quarantine	
Consul	
Ship chandlery and Stevedores	
Compass adjustment	
Tank cleaning	
Hull painting	
Police / Ambulance / Firefighting (Fixed and Mobile facilities)	
Nav. Warning and Weather bulletin	
Garbage disposal / Waste oil disposal	
Helicopter landing facilities	

14. RESCUE & DISTRESS	
Salvage, Lifeboat, Life guards, etc	
15. SUPPLIES	
Fuel (Type, Quantities & Method of delivery)	
Fresh water (Method of delivery and Rate of supply)	
Provisions	
Chart agents	
16. COMMUNICATIONS	
Road, Rail and Air services available	
Nearest airport or airfield	
Port Radio and Information Service (Frequencies and Operating Hours)	
17. PORT AUTHORITY	
Designation, Address, Telephone, E-mail Address and Website	
18. SECURITY	
Security of ports / International Ship and Port Facility Security (ISPS) compliance	
Custom and Immigration Regulations in force	
19. SMALL CRAFT FACILITIES	
Information and facilities for small craft, yachts visiting the port	
Yacht clubs, berths etc	
20. SHORT LEAVE	
21. CLUBS RECREATION	
Information Kiosk (Location)	
Foreign Exchange firms / Banks (Within / Near Port Area)	
Places of interest near port	
22. VIEWS	
Photographs(Duly annotated) of the approaches, leading marks, the entrance to the harbour etc.	
23. ADDITIONAL DETAILS	
Any other information considered to be useful for the mariners	
SIGNATURE OF THE OBSERVER / REPORTER / MASTER	



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: mrcc-west@indiancoastguard.nic.in

NATION WIDE SAR TELE: 1554 (LAND LINE)

INMARSAT C (IOR) 441907210 CODE: 43 (TOLL FREE)

AFTN: VABBYXYC