



INDIAN NOTICES TO MARINERS



EDITION NO. 10 DATED 16 MAY 2017

(CONTAINS NOTICES 082 TO 085)

REACH US 24 x 7



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(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



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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 a 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 edition Indian Chart that is available for mariners in the market is 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>
2065	15-04-2017	PORT DABHOL LIMITS 17° 30'.50N; 73° 02'.65E. 17° 35'.75N; 73° 11'.00E.	15,000	3	Rs. 1870.00

2. The Indian Chart 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>
2065	30-05-2013	PORT DABHOL	2065	15-04-2017

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN42016U	2016	INNER APPROACHES TO MUMBAI	05-05-2017

4. The Indian Electronic Navigational Chart that is permanently withdrawn is as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN42016U	2016	INNER APPROACHES TO MUMBAI	27-05-2016

5. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
256 (INT 7340)	MURUD – JANJIRA HARBOUR TO MALVAN	3,00,000	New Edition
301	APPROACHES TO HUGLI RIVER	1,50,000	New Chart
2003	BADAGARA ANCHORAGE; KASARAGOD ANCHORAGE	25,000	New Chart
2033 (INT 7341)	SIKKA CREEK; SIKKA CHANNEL	12,500	New Edition
2046	VENGURLA ANCHORAGE; REDI ANCHORAGE	25,000	New Edition
2051 (INT 7333)	SALAYA HARBOUR	25,000	New Edition
2358	APPROACHES TO HANGARKATTA & MALPE	50,000	New Chart
2359 (INT 7350)	APPROACHES TO PORT OF NEW MANGALORE	50,000	New Chart
3006 (INT 7423)	HUGLI RIVER;		New Chart
	KUKRAHATI REACH TO ROYAPUR CROSSING	37,500	
	ROYAPUR CROSSING TO CALCUTTA DOCKS	37,500	
	CALCUTTA DOCKS	17,500	
3011 (INT 7421)	HUGLI RIVER – GASPER CHANNEL TO HALDIA	75,000	New Chart
4177	TILLANCHANG ISLAND	25,000	New Edition

VI

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 world wide 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	C-MAP Norway AS Nyaskaiveien 2, 4379 Egersund, Norway Ph: +47 51 464700, +91 2262233326 Mob: +91 9820238542 Fax: +47 51 464701, +91 2267939504 Email: enc@c-map.com , info@c-map.co.no Website: www.c-map.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	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



SECTION – I

The list of charts affected by the Notices 082 to 085 contained in this edition is as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
454	7	084
2020	3	085 (T)
2022 (INT 7345)	3	085 (T)
2031 (INT 7326)	2	082
2078 (INT 7346)	3	085 (T)
3021	7	083



SECTION – II**PERMANENT NOTICES**

***082 (10/17) INDIA – WEST COAST – Gulf of Kachchh – Okha Harbour – Wreck.**

Source: NHO, Dehradun.

Chart 2031 (INT 7326) [previous update 035/15]

Insert



22° 30′.70N., 69° 04′.50E.

083 (10/17) BANGLADESH – Approaches to Chittagong – Buoys – Wreck.

Source: BA Notice 615/17.

Chart 3021 [previous update 120/16]

Insert



22° 12′.86N., 91° 48′.17E.

Chart 3021 (Plan) [previous update 120/16]

Insert



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22° 12′.86N., 91° 48′.17E.

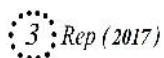
22° 12′.86N., 91° 48′.13E.

084 (10/17) ANDAMAN SEA – Coasts of Burma and Thailand – Mergui Archipelago Great Canister I to Loughborough I – Depth.

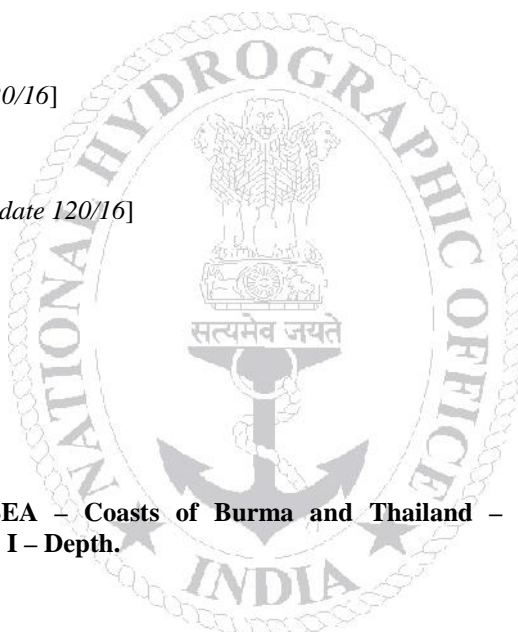
Source: BA Notice 674/17.

Chart 454 [previous update 162/15]

Insert



10° 45′.20N., 98° 13′.20E.



SECTION – III

TEMPORARY AND PRELIMINARY NOTICES

***085 (T) (10/17) INDIA – WEST COAST – Port of Mormugao – Buoy.**

Source: IH 102, INS Sarvekshak.

1. Buoy no. 09 in position 15° 25′.091N., 073° 47′.844E. has been shifted to new position at 15° 25′.101N., 073° 47′.713E.view capital dredging.
2. Vessels are advised to navigate with caution and contact local port authorities for more information.

Charts affected – 2022 (INT 7345) – 2020 – 2078 (INT 7346).



SECTION – IV **MARINE INFORMATION**

1. **NAVTEX TRANSMISSION**

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

Mauritius (Cassis) - Operational

Seychelles (Mahe) - Temporarily Out of Operation

Following new Navtex stations along the Indian coast are operating on trial basis:-

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)	Vengrula 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 crew 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: - indsar@vsnl.net, or icgmrcc_mumbai@mtnl.net . 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 for the above have been published in the fortnightly Indian Notices to Mariners Edition No 14 of 2008 (16th July 2008).

(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) Recommended routes have been established along the coast of Gujarat. These are to assist mariners to navigate safely in order to represent the best routes for crossing traffic and to minimize head-on encounters in vicinity of Oilfield Development Areas and regulate coastal traffic. Mariners are advised to keep 1 to 2 miles starboard of the shown routes consistent with Rules of the Road.

(c) Traffic Separation Schemes (TSS). The TSS off Mumbai harbour is mandatory for all Indian and foreign flag ships and vessels entering and leaving Mumbai harbour and Jawaharlal Nehru Port Trust (JNPT)/ Nhava-Sheva harbour irrespective of size.

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/ IRRIDUM AND SATELLITE PHONE

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.

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).

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.

List of Indian Chart Agents

<p>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</p>	<p>M/s VDO Marine Insrtuments 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</p>
<p>M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor, 58, Dr. Sunderlal Bahl 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</p>	<p>E.W.Liner Charts & Publication (India) 2/524, Sandeep Road, Chinna Neelangarai, Chennai - 600041 Tele: +91-44-24490668 Fax: +91-44-24491668 Mob No : +91-9003245348 Email: ewl-india@ewliner.com Web: www.ewliner.com</p>
<p>M/s C & C Marine Combine 25 Bank Street, 1st 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</p>	<p>Gujarat Pipavav Port Limited PO – Uchchaya, Dist – Amereli, Gujarat – 365 560 Tele: +91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)</p>
<p>M/s SVR Chart Agencies Door No.50-81-48/4, Seetammapeta, Visakhapatnam – 530 016 Tel/ Fax: 0891-2799471, Cell: +91-9849120988, 9885797333 Email : mahalakshmitravels99@gmail.com mahalakshmitravels@hotmail.com</p>	<p>SMS Marine Private Ltd 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: 022-6510 3668, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@smsmarine.co.in , raj_chakravorty@yahoo.com Web: www.smsmarine.co.in</p>
<p>M/s JM Maritime Services 24/24C Kavarana Building, Ground Floor, Wadi Bunder, 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</p>	<p>Global Marine Infratech Pvt. Ltd. Ground Floor, Siksha Sandan, 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</p>
<p>M/s Lift o Marine Allen’s Mansion, Flat C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: sankar@liftmarine.org Web: www.liftmarine.org</p>	<p>L. R. Marine Services 301, 3rd Floor, Biryra House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com</p>
<p>M/s Engineering Logistics Executive Multi Services Elems Charts, Door No: 61-4-45-A/4, Prakash Nagar, Malkapuram Visakhapatnam – 530 011 Mob: +91 9133871827 Email: sales@elemscharts.in Web: www.elemscharts.in</p>	<p>M/s 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@ictechnologies.com sanjeev.sharma@ictechnologies.com Web: www.ictechnologies.com</p>
<p>M/s Zenith Surveys (I) Pvt. Ltd. Lakhani’s Plam 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</p>	

section – V**NAVAREA – VIII WARNINGS IN FORCE**

1. For details of NAVAREA limits and organisation/coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2012.

2. NAVAREA VIII Warnings in force as on 15 May 17:

2016 SERIES –432 464 572 644 685 702 723

2017 SERIES –016 061 119 173 183 189 305 307 323 331 333 342 343 345 346 349 350 355 356
358 366 372 373 375 376 381 382 384 387 390 391 392 394 395 397 399 400 401

3. NAVAREA VIII Warnings issued during the period from 01 May to 15 May 17 (both dates inclusive) are as tabulated below:–

361.	Bay of Bengal – off Kankasanturai. Charts 32 358 INT 71. Naval firing practice scheduled from 020230-021030 and 050300-050630 UTC May 17 in danger circle extending 5 NM from 09-55N 080-33E. 2. Cancel this MSG 050730 UTC May 17.
362.	India West Coast – off Mumbai. Charts 21 255 INT 71. INS Makar progressing survey in area bounded by 18-19N 071-19.5E, 18-18N 071-25.5E, 18-21N 071-24.5E, 18-16N 071-20.5E. Wide berth of 03 NM requested. 2. Cancel this MSG 061830 UTC May 17.
363.	Cancel NAVAREA VIII MSG 322 and this MSG.
364.	India West Coast – off Netrani I. Charts 22 216 293 INT 71. Firing by naval ships scheduled on 04 May 17 from 0230 - 0530 UTC in danger area bounded within 13-52N to 14-07N and 074-13E to 074-26E. 2. Cancel this MSG 040630 UTC May 17.
365.	Bay of Bengal – off Trincomalee. Charts 359 3014 INT 71. Naval firing practice scheduled on 06 May 17 from 0330-1130 UTC in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E. 2. Cancel this MSG 061230 UTC May 17.
366.	India West Coast - Gulf of Kachchh. Charts 203 2080 INT 71. Mandvi (22-50N 069-21E), Navalakhi (22-58N 070-27E) RACON inoperative.
367.	Cancel NAVAREA VIII MSG 779/16 and this MSG.
368.	India West Coast – Safety Fairway off Tapti ODA. Charts 21 207 210 INT 71. Unmanned and unlit platforms B12-1 (20-05.74N 071-48.58E), C-23 (20-32.19N 072-09.17E), C-26 (20-11.66N 071-52.27E) reported. 2. Wide berth advised. 3. Cancel NAVAREA VIII MSG 169/17.
369.	Cancel NAVAREA VIII MSG 360 and this MSG.
370.	Cancel NAVAREA VIII MSG 729/16 196 and this MSG. INTM 9 refers.
371.	India East Coast – off Balasore. Charts 31 351 INT 71. Experimental flight trial scheduled on 08, 09, 11, 12 May 17 from ITR from 0430 - 0830 UTC in danger zone bounded by 21-22.01N 086-56.44E, 21-09.72N 086-50.76E, 20-52.38N 087-00.72E, 20-44.15N 087-07.59E, 20-37.44N 087-20.52E, 20-51.54N 087-45.93E, 21-20.70N 087-52.92E, 21-27.4 5N 087-38.07E, 21-29.96N 087-26.58E, 21-31.44N 087-12.66E. 2. Cancel this MSG 120930 UTC May17.
372.	India West Coast – off Neelam Heera Oda. Charts 255 INT 71. MV Gal Installer and Aht Labatross01 progressing subsea ops in vicinity of 18-40N 072-13E. Wide berth requested. 2. Cancel this MSG 311830 UTC May 17.
373.	Andaman Sea – off Little Nicobar Island. Charts 41 471 INT 71. SV Geo Hindsagar will progress seismic survey from 05 May 17 along the linear route from 06-44.15N 091-59.47E to 08-35.83N 095-05.84E. Wide berth requested. 2. Cancel this MSG 301830 UTC May 17.
374.	Cancel NAVAREA VIII MSG 348 and this MSG.
375.	India West Coast – off Veraval. CHARTS 206 252 INT 71. BHIRBHANJAN LT (22-54N 070-23E) unlit.
376.	India West Coast – Gulf of Khambhat. Charts 21 254 INT 71. MV Focus Surveyor and Explorer progressing seismic survey in area bounded by 21-00N 071-45E, 21-12.49N 072-09.95E, 21-05.87N 072-00.60E, 21-03.33N 072-02.71E, 21-08.28N 072-09.96E, 21-00.07N 072-10.20E. 2. Wide berth requested. 3. Cancel NAVAREA VIII MSG 306 and this MSG 281830 UTC May 17.
377.	NAVAREA VIII warnings in force as on 05 May 17. <u>2016 SERIES</u> - 432 464 572 644 685 702 723 <u>2017 SERIES</u> - 016 050 061 119 173 183 189 303 305 307 308 317 318 323 331 333 342

377. Continued. 343 345 346 349 350 352 355 356 358 362 365 366 368 371 372 373 375 376 (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 121000 UTC May 17.
378. India East Coast – Central Bay of Bengal. Charts 31 32 391 INT 71. Firing by CG Aircraft scheduled daily from 08 - 14 May 17 from 0130 - 1130 UTC in danger area bounded within 13-30N to 14-30N and 082-00E to 082-40E. 2. Cancel this MSG 141230 UTC May 17.
379. India West Coast – Suratkal. Charts 217 2052 INT 71. DGPS (13-00N 074-47E) inoperative from 080030 UTC May 17. 2. Cancel this MSG 081230 UTC May 17.
380. Andaman Sea – off Yangon River. Charts 41 452 4019 INT 71. Upper float FL G 7S (16-20.5N 096-20.1E), Lower float FL G 3S (16-17.14N 096-17.8E), Port (16-23.25N 096-21.47E), STBD FL G 4S (16-28.62N 096-19.08E) buoys laid. D Silva FL R 3S, Additional lower western FL R 4S, Intermediate FL G 2S buoys shifted to 16-37.36N 096-15.17E, 16-22.75N 096-21.72E, 16-22.19N 096-21.88E. Thura Phyto Kyaw Lin wreck buoy (16-24N 096-21E) adrift. 2. Cancel NAVAREA VIII MSG 303.
381. India West Coast – Mormugao Port. Charts 2020 2078 INT 71. Buoy 9 shifted to 15-25.10N 073-47.71E.
382. Andaman Sea – off Barren I. Charts 41 473 INT 71. Firing practice scheduled on 15 and 16 May 17 from 0430-0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-20E. 2. Cancel this MSG 161030 UTC May 17.
383. Cancel NAVAREA VIII MSG 318 and this MSG. INTM 079(T) refers.
384. Andaman Sea – off Yangon River. Charts 41 452 4019 INT 71. Upper float FL G 7S (16-20.5N 096-20.1E), Lower float FL G 3S (16-17.14N 096-17.8E), Port (16-23.25N 096-21.47E), STBD FL G 4S (16-28.62N 096-19.08E) New upper western buoy (16-26.42N 096-20.57E) buoys laid. D Silva FL R 3S, Additional lower western FL R 4S, intermediate FL G 2S, New centre spit FL G 2S, New centre western FL R 2S, New upper western FL R 1S buoys shifted to 16-37.36N 096-15.17E, 16-22.75N 096-21.72E, 16-22.19N 096-21.88E, 16-25.07N 096-20.42E, 16-25.35N 096-20.32E, 16-25.64N 096-20.68E. Thura Phyto Kyaw lin wreck buoy (16-24N 096-21E) adrift. 2. Cancel NAVAREA VIII MSG 380.
385. Cancel NAVAREA VIII MSG 050 and this MSG.
386. India East Coast – off Balasore. Charts 31 351 INT 71. Experimental flight trial scheduled on 15 May 17 from ITR from 0430 - 0830 UTC in danger zone bounded by 21-22.01N 086-56.44E, 21-09.72N 086-50.76E, 20-52.38N 087-00.72E, 20-44.15N 087-07.59E, 20-37.44N 087-20.52E, 20-51.54N 087-45.93E, 21-20.70N 087-52.92E, 21-27.45N 087-38.07E, 21-29.96N 087-26.58E, 21-31.44N 087-12.66E. 2. Cancel this MSG 150930 UTC May 17.
387. India West Coast – Gulf of Kachchh. Charts 203 2083 INT 71. Pirotan Racon (22-36N 069-57E) inoperative.
388. Cancel NAVAREA VIII MSG 308 371 and this MSG.
389. SW Indian Ocean – off Reunion Island. Chart INT 70. 50 M blue black semi submerged anchor hawser reported adrift in vicinity of 20-36S 055-29E. 2. Cancel this MSG 131830 May 17.
390. India West Coast – off Angria Bank. Charts 22 293 INT 71. Firing by naval ship scheduled from 151230-161230 and 161430-171230 UTC May 17 in danger area bounded within 15-00N to 17-12N and 069-10E to 071-28E. 2. Cancel this MSG 171330 UTC May 17.
391. India West Coast - off Trivandrum. Charts 22 222 260 INT 71. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 17 May 17 from 0530-0730 UTC. 2. Danger sector bounded by:- (A) Radius of 05 NM from Thumba between azimuth 190 and 300. (B) Radii of 45 and 75 NM from Thumba between azimuth 220 and 260. 3. Cancel this MSG 170830 UTC May 17.
392. India West Coast - off Tapti ODA. Charts 21 210 254 292 INT 71. Firing by CG aircraft scheduled on 18 and 19 May 17 from 0330-1130 UTC in danger area bounded by 20-13N 071-59E, 20-13N 072-08E, 20-06N 072-06E, 20-06N 071-57E. 2. Cancel this MSG 191230 UTC May 17.
393. India West Coast – Ratnagiri. Charts 22 212 INT 71. DGPS (16-59N 073-16E) off from 0030-1230 UTC on 15 May 16. 2. Cancel this MSG 151330 UTC May 16.
394. India West Coast – Safety Fairway off Tapti ODA. Charts 21 207 210 254 INT 71. Unmanned and unlit platforms B12-1(20-05.74N 071-48.58E), C-23 (20-32.19N 072-09.17E), C-26 (20-11.66N 071-52.27E), C-24-P4 (20-18.78N 072-02.13E), C-24-P3 (20-19.08N 072-00.88E) reported. 2. Wide berth advised. 3. Cancel NAVAREA VIII MSG 368.
395. NAVAREA VIII warnings in force as on 12 May 17. 2016 SERIES - 432 464 572 644 685 702 723 2017 SERIES - 016 061 119 173 183 189 305 307 317 323 331 333 342 343 345 346 349 350

395. Continued.
355 356 358 366 372 373 375 376 378 381 382 384 386 387 389 390 391 392 393 394 (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 191000 UTC May 17.
396. Cancel NAVAREA VIII MSG 386 and this MSG.
397. India West Coast – off Ratnagiri. Charts 21 212 256 INT 706. INS Sarvekshak progressing hydrographic survey in area bounded within 16-52N to 18-25N and 072-25.5E to 073-19.5E.
2. Wide berth of 03 NM from ship and survey boats requested.
3. Cancel this MSG 181830 UTC May 17.
398. Cancel NAVAREA VIII MSG 317 and this MSG.
399. Bay of Bengal – off Trincomalee. Charts 359 3014 INT 71. Naval firing practice scheduled on 20 May 17 from 0230-0630 UTC in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E.
2. Cancel this MSG 200730 UTC May 17.
400. India West Coast – Mumbai. Charts 22 211 INT 71. Uttan DGPS (19-17N 072-47E) off from 0030-1230 UTC on 17 May 17.
2. Cancel this MSG 171330 UTC May 17.
401. India West Coast – off Jakhau. Charts 202 251 INT 71. MV Ocean Pride and mariner progressing structure installation in vicinity of 23-05.52N 068-24.36E. Wide berth requested.
2. Cancel this MSG 301830 UTC Jun 17

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2014

(Last correction: Edition No. 05 dated 01Mar 2017)

NIL

INP 31(2), 2014

(Last correction: Edition No. 09 dated 01May 2017)

NIL

INP 31(5), 2011

(Last correction: Edition No. 01 dated 01Jan 2017)

NIL

INP 31(6), 2012

(Last correction: Edition No. 09 dated 01May 2017)

NIL

SECTION – IX

REPORTING OF NAVIGATIONAL DANGERS

Appeal to all Mariners

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / harbours 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: - inho@navy.gov.in, msis-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 102 A 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.

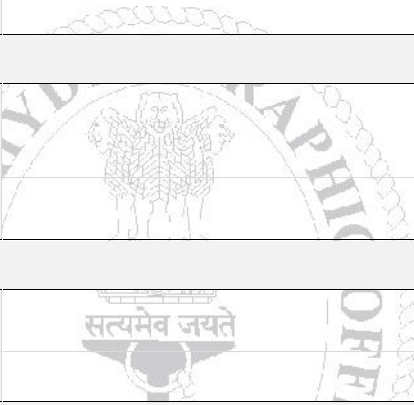
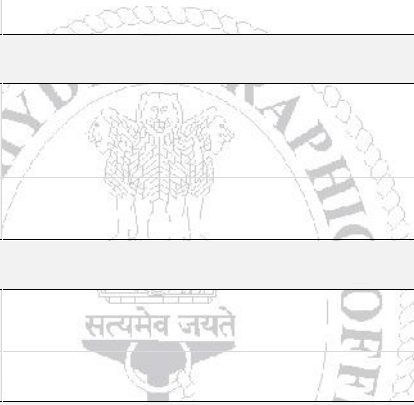
Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes received. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/foreign Notices to Mariners. Further communication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

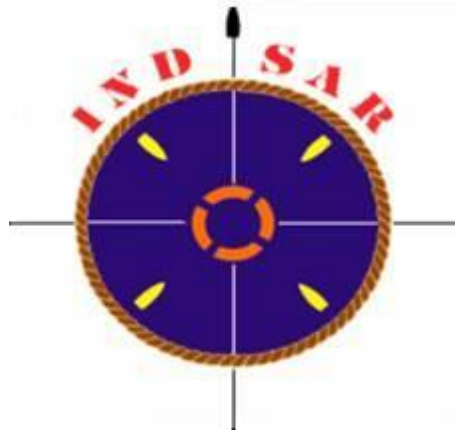


HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes 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: indsar@vsnl.net

NATION WIDE SAR TELE: 1554 (LAND LINE)

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

AFTN: VABBYXYC