INDIAN
NOTICES TO MARINERS

EDITION NO. 21 DATED 01 NOV 2014

(CONTAINS NOTICES 182 TO 186)

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

FEEDBACK: msis-inho-navy@nic.in

INSIST ON INDIAN CHARTS AND PUBLICATIONS

Original, Authentic and Up-to-Date

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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 from now on will carry a NHO crest as watermark on the reverse with backslip. Agents stamp is made 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 chart and publications.

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 . Sl 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.

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 most 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, ENCs AND PUBLICATION

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

Chart No.	*Date of Publication*	*Title, Limits & Description*	*Scale*	*Folio*	*Price*
2033 (INT 7341)	**30-09-2014**	**SIKKA CREEK** **Limits** **22° 28'.00N; 69° 45'.30E.** **22° 32'.40N; 69° 52'.50E.**	**12,500**	**2**	**Rs. 1870.00**
		SIKKA CHANNEL **Limits** **22° 26'.50N; 69° 46'.75E.** **22° 28'.50N; 69° 48'.25E.**			
4183	**30-09-2014**	**APPROACHES TO CASUARINA BAY** **Limits** **06° 55'.50N; 93° 32'.10E.** **07° 04'.20N; 93° 45'.50E.**	**25,000**	**6**	**Rs. 1870.00**

2. The Indian Charts permanently withdrawn are as follows:-

Chart No.	*Date of Publication*	*Title*	*On Publication of New Chart/ Edition*	*Date of Publication*
2033	**29-02-2004**	**SIKKA CREEK**	**2033 (INT 7341)**	**30-09-2014**
		SIKKA CHANNEL		
4035	**15-01-2003**	**CASUARINA BAY**	**4183**	**30-09-2014**

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

ENC Cell Name	*Chart No.*	*Title*	*Issue Date*
IN52011G	**2011**	**APPROACHES TO JAIGARH AND ANGRE PORTS**	**27-10-2014**
IN62105A	**2105**	**JAIGARH AND ANGRE PORTS**	**27-10-2014**

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 The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

ENC Cell Name	*Chart No.*	*Title*	*Issue Date*
IN52011G	**2011**	**APPROACHES TO JAIGARH AND ANGRE PORTS**	**20-06-2014**
IN62105A	**2105**	**JAIGARH AND ANGRE PORTS**	**03-12-2013**
IN52004K	**2004**	**KOCHI HARBOUR**	**14-10-2014**

5. The forthcoming Indian Publication is as follows:-

Title of Publication	*Edition*
List of Radio Signals – Volume 2	**2014**

6. The forthcoming Indian Charts are as follows:-

Chart No	*Title*	*Scale*	*Remarks*
2001	**MUMBAI DOCKS**	**10,000**	**New Chart**
2514 (INT 7739)	**APPROACHES TO PORT LOUIS**	**37,500**	**New Chart**
	PORT LOUIS	**12,500**	
2520	**APPROACHES TO DAR ES SALAAM**	**30,000**	**New Chart**
2517	**DAR ES SALAAM ANCHORAGE**	**15,000**	**New Chart**
3010 (INT 7418)	**PARADIP ANCHORAGE**	**25,000**	**New Chart**
	PARADIP PORT	**12,500**	
4181	**SOUTH BAY AND APPROACHES**	**25,000**	**New Chart**
4182	**CAMPBELL AND ANDERSON BAY**	**25,000**	**New Chart**

Availability of ENCs.

The complete folios of Official Indian ENCs are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENCs 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 Telex: 46274 Email: helpdesk@ukho.gov.uk Web site: www.ukho.gov.uk	JEPPESEN MARINE Jeppesen Norway AS Hovalandsveien 52 P.O. 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: enc@jeppesen.com, info@c-map.co.no Website: www.jeppesen.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 182 to 186 contained in this edition are as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
41 (INT 757)	6	186
208	2	183
215	3	184
216	3	184
257 (INT 7343)	3	184
293 (INT 7022)	3	184
409	6	182
413	7	186
452	7	186
453	7	186
2004 (INT 7359)	3	185
2008	3	184
2039	2	183
2102	2	183

NATIONAL HYDROGRAPHIC OFFICE INDIA

SECTION – II
PERMANENT NOTICES

***182/(21/14) Miscellaneous updates to charts.**

Source: NHO Dehradun.		
Chart	**Previous Updates**	**Details**
409	*062/13*	Insert Chart No.4183 and Magenta limit as follows: 06° 55′·50N., 93° 32′·10E. 06° 55′·50N., 93° 45′·50E. 07° 04′·20N., 93° 45′·50E. 07° 04′·20N., 93° 32′·10E.
		Delete Chart No.4035 and Magenta limit as follows: 06° 55′·00N., 93° 37′·00E. 06° 55′·00N., 93° 45′·70E. 07° 01′·50N., 93° 45′·70E. 07° 01′·50N., 93° 37′·00E.

***183(21/14) INDIA – WEST COAST – Gulf of Khambhat – Northern Portion – Foul.**

Source: VTS Khambhat.

Chart 208 [*previous update 177/14*]

Insert # 21° 41′·36N., 72° 23′·15E.

Chart 2039 [*previous update 177/14*]

Insert # 21° 41′·35N., 72° 23′·17E.

Chart 2102 [*previous update 169/14*]

Insert # 21° 41′·35N., 72° 23′·17E.

***184(21/14) INDIA – WEST COAST – Karwar Harbour and Approaches – Wreck.**

Source: Department of Ports and Inland Water Transport, Karwar.

Chart 293 (INT 7022) [*previous update 159/14*]

Insert 14° 48′·20N., 74° 07′·00E.

Chart 257 (INT 7343) [*previous update159/14*]

Insert 14° 48′·14N., 74° 07′·04E.

Chart 215 [*previous update 204/13*]

Insert 14° 48′·20N., 74° 07′·00E.

Chart 216 [*previous update 204/13*]

Insert 14° 48′·20N., 74° 07′·00E.

Chart 2008 [*previous update 039/14*]

Insert 14° 48′·20N., 74° 07′·00E.

***185(21/14) INDIA – WEST COAST – Kochi Harbour – Buoys.**

Source: NHO Dehradun.

Chart 2004 (INT 7359) [*previous update 181/14*]

Delete *Fl.3s M1* 09° 57′·82N., 76° 15′·64E.

Fl.3s M3 09° 57′·65N., 76° 15′·78E.

Fl.3s M5 09° 57′·31N., 76° 15′·88E.

***186(21/14) INDIA – BAY OF BENGAL & ANDAMAN SEA – Myanmar – Pipeline. Platform.**

Source: Myanmar Hydrographic Office.

Chart 41 (INT 757) [*previous update 163/14*]

Insert	⊡	*(a)*	14° 11′·46N., 96° 02′·74E.
			14° 16′·60N., 96° 02′·48E.
			14° 09′·53N., 95° 56′·79E.
	joining		*(a) above*
			14° 12′·37N., 96° 30′·56E.
			14° 13′·12N., 96° 58′·35E.
			14° 13′·81N., 97° 26′·14E.
			14° 17′·48N., 97° 51′·80E.
			14° 26′·97N., 97° 54′·08E.
	legend, "PIPELINE (see Note)", centered on:		14° 14′·00N., 97° 04′·00E.

Chart 452 [*previous update 168/13*]

Insert	joining	14° 26′·97N., 97° 54′·08E.
		14° 23′·00N., 97° 52′·90E. (S Border)

Chart 453 [*previous update 065/13*]

Insert	joining	14° 26′·97N., 97° 54′·08E.
		14° 17′·48N., 97° 51′·80E.
		14° 13′·81N., 97° 26′·14E.
		14° 13′·00N., 96° 55′·00E. (W Border)
	legend, "PIPELINE (see Note)", centered on:	14° 15′·50N., 97° 35′·30E.

Chart 413 [*previous update 065/13*]

Insert	joining	14° 26′·97N., 97° 54′·08E.
		14° 17′·48N., 97° 51′·80E.
		14° 13′·81N., 97° 26′·14E.
		14° 13′·40N., 97° 12′·00E. (W Border)
	legend, "PIPELINE (see Note)", centered on:	14° 13′·80N., 97° 19′·60E.

NATIONAL HYDROGRAPHIC OFFICE INDIA

SECTION – III

TEMPORARY AND PRELIMINARY NOTICES

NIL

NATIONAL HYDROGRAPHIC OFFICE
INDIA

SECTION – IV
MARINE INFORMATION

1. NAVTEX TRANSMISSION

MSI Promulgation by NAVTEX Stations at Mumbai and Chennai are temporarily out of operation.

(Source – DG Shipping)

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.

(Source - NAVAREA VIII Warning 100/12)

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, There 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.

(Source - NAVAREA VIII Warning 141/12 & 529/12)

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, Irridum 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/ Irridum 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 Thuarya, Irridum and other such sets in pre arrival notification on security (PANS).

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

Distribution of Indian Paper Charts and Nautical Publications

Indian Nautical Charts and Publications from National Hydrographic Office, India are now available globally. Details of overseas chart agents are as follows:-

JEPPESEN MARINE **Jeppesen Norway AS** P.O. 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: *info@c-map.no* Site: *www.c-map.no*	**C-Map US Commercial** 133 Falmouth Road, Building 2, Postal Code: 02649, Mashpee, MA, America Ph: +1 (508) 477 8010 Fax: +1 (508) 539 4381 Email: *info@c-map.com*	**C-Map (UK) Ltd.** Systems House Delta Business Park Salterns Lane,Fareham, PO16 0QS, United Kingdom, Ph: +44 (0) 1329 517777 Fax: +44 (0) 1329 517778 Email: *info@c-map.co.uk*
Mari-Sys Pte Ltd. 20 Ayer Rajah Crescent, 08-21,SE 139964, Republic of Singapore Ph: +65 6776 1898 Email: *info@mari-sys.com*	**Bogerd Martin NV,** Oude Leeuwenrui 37 2000 Antwerp, Belgium Ph: +32 (3) 2134170 Fax: +32 (3) 2326167 Email: *sales@martin.be* Site: *www.martin.be*	**Bogerd Martin Tianjin(China Branch)** 2-B101 FTZ Hi-Tech Development Centre 131 Haibin 9 Road 300461 Tianjin China Ph: +86 22 257 62 721 Fax: +86 22 257 62 722 Email: *charts-tj@martincn.com*
C-Map Holland Paleiskade100 PO Box 7 1781 AR Den Helder, Holland Ph: +31 223 616 700 E Mail: CorMallie *cor@chartworx.nl*		

List of Indian Chart Agents.

M/s OSA Books and Periodicals, R-246, Greater Kailash -I New Delhi - 110 048 Tel/Fax: 011-46557337, Mob: 9971093992 Email: rpani246@gmail.com	M/s Sterling Book House, 181, Dr. DN Road Fort, Mumbai – 400 001 Tel: 91-22-22612521, Fax: 91-22-22623551 Email : sbh@vsnl.com
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@bogerdmartin.com, sarmarin@vsnl.com	M/s EW Stevens & Co. (Pvt.) Ltd. Mackinnon Mackenzie Bldg, Ground Floor, 4 Shoorji Vallabhdas Marg, Mumbai-400 038 Tel: 91-22-22618567, Fax: 022-22619146 Email: ewsbom@bom3.vsnl.net.in
M/s C & C Marine Combine 25 Bank Street, 1st Floor, Mumbai - 400 023 Tel: 91-22- 22660525. 22661937, 22672143 Fax: 91-22-22670896 Email: ccmarine@bom5.vsnl.net.in	M/s Maritime Charts & Publicatons 2/524 Sundeep Road, Chinna Neelangarai, Chennai 600041 Land Mark - Nearby Suganya Kalyana Mandapam Tele/Fax : +91-44-24490668 Mob No : +91-9003245348 Email: ewl-india@ewliner.com
M/s SVR Chart Agencies Door No.50-81-35/6, Santhipuram, Seetammapeta, Visakhapatnam-530 016 Tele Fax: 0891-2799471, Cell: 9440132553, 9849120988, 9885308200 Email : mahalakshmitravels@hotmail.com	M/s Jeppesen India Pvt. Ltd 505, Raheja Arcade, Sector 11 CBD, Belapur Navi Mumbai – 400 614 Tel: +91 22 6510 3668, Fax: +91 22 55939504 Mob: +9322238542 Email: raj_chakravorty@yahoo.com, info@c-map.co.in Website: www.c-map.co.in
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	M/S Inspire Shipping, 46a, Ashok Chamber, Broach Street, Masjid Bunder (E), Mumbai – 400 009 Fax : 022 – 27713146 Email : info@inspireship.com, pramod@inspireship.com
M/S Lift-O-Marine Allens Mansion, Flat – C6 Nungi Station Road, Bata Nagar PO. Parbangla Kolkata - 700140 Tel: +91-33-24924283, Cell: +91-8902228463 Email: sankar_roy342@yahoo.in	M/s Global Marine Infratech Pvt. Ltd. Siksha Sandan, Ground Floor, ND-7, VIP Area, IRC Village Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Email: ashiskantha@gmiindia.in Web: www.gmiindia.in
Engineering Logistics Executive Multi Services Door No: 61-4-45-A/4 Prakash Nagar Malkapuram Visakhapatnam - 530 014 Mob: +91 9133362541/9966244818 Email: elemulti.services69@yahoo.com	M/s L. R. Marine Services 301, 3rd Floor, Birya House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-6635 9148 Cell No: +91 8108926880/+91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com
M/s Aatash Computer & Communications Pvt. Ltd. 213, Devarc Commercial Complex Nr. Iscom Circle (above Woodland Showroom) S. G. Highway Ahmedabad – 380 059 Mob: +91 7926923982/83, Fax: +91 7926923984 Email: info@aatash.com, zubin@aatash.com	

SECTION – V
NAVAREA – VIII WARNINGS IN FORCE

1. For details of NAVAREA limits and organisation/coordination, please refer to Notice No. 13 of the Special edition of Indian Notice to Mariners – 2012.

2. NAVAREA VIII Warnings in force as on 31 Oct 14:

2013 SERIES - 035 160 197 228 428 493 506 547 662 672
2014 SERIES - 111 129 154 194 211 221 225 233 241 242 284 308 310 311 336 384 398 405 406 407 411 415 438 439 440 447 466 467 476 479 489 503 521 529 532 533 536 540 552 553 554 555 558 566 569 570 571 573 574 575 576 577 578

3. NAVAREA VIII Warnings issued during the period from 16 Oct to 31 Oct 14 (both dates inclusive) are as tabulated below: –

553. Andaman Sea – Myanmar Waters. Charts 41 451 INT 71. Following appraisal wells in Myanmar offshore block M-3 as promulgated in Myanmar N to M 18/2014 in progress by drilling rig Naga-5 till 31 Aug 15.

Point	Position	
ASK-7	15-26.80N	095-13.96E
` ASK-8	15-24.80N	095-18.24E
ASK-9	15-25.99N	095-14.46E
ASK-10	15-27.73N	095-13.30E
ASK-11	15-25.98N	095-30.12E
ASK12	15-26.88N	095-17.69E

2. Unauthorized navigation, anchoring, fishing and trawling prohibited within 4 KM from wells.

554. Andaman Sea – Myanmar Waters. Charts 41 452 453 INT 71. Following installed in Myanmar offshore block M-9 as promulgated in Myanmar N to M 17/2014.

Wellhead Platforms

Name	Position	
ZAWTIKA WP1	14-11.49N	096-02.82E
ZAWTIKA WP2	14-16.60N	096-02.48E
ZAWTIKA WP3	14-09.53N	095-56.79E
ZPQ	14-11.46N	096-02.74E

Underwater Gas Pipe Line

Point	Position	
KP NO 0.018	14-11.46N	096-02.79E
KP NO 49.997	14-12.37N	096-30.56E
KP NO 99.998	14-13.12N	096-58.35E
KP NO 149.989	14-13.81N	097-26.14E
KP NO 200.012	14-17.48N	097-51.80E
KP NO 217.992	14-26.97N	097-54.07E

2. Prohibited area of 5 KM radius around wellhead platforms and 4.7 KM on both sides of pipe line requested.

555. Andaman Sea – Great Nicobar. Charts 41 409 471 472 INT 71. Koltapalm light house with following details established on trial basis

Name of station	-	Koltapalm light house
Position	-	07-00.94N 093-56.02E
Type of structure	-	Trestle tower
Height	-	12mtr
Character of light	-	Fl(2)w 10sec(1+1+1+7=10sec)
Luminous range	-	10 Nautical Miles

556. Cancel NAVAREA VIII 543 and 549/14 and this MSG.

557. Cancel NAVAREA VIII 505/14 and this MSG. INTM 169 (19/14) refers.

558. Cancel NAVAREA VIII 541/14. India West Coast – Jawahar Lal Nehru Port. Charts 211 255 293 2015 2016 2076 INT 71. Following existing/new buoys laid

Buoys	Current Position	Location	Light Characteristics
A	18-56.640N 072-54.689E	Approach Channel	FL(R) 5S
B	18-56.321N 072-54.445E	Approach Channel	FL(R) 5 S
C	18-56.540N 072-55.730E	Approach Channel	FL 2 (G) 10 S

558. Continued.

C1	18-56.430N 072-56.091E	Opp. South End BPCL Jetty	QK (G)
D	18-56.759N 072-55.775E	Approach Channel	FL 2 (R) 10 S
E	18-57.384N 072-56.548E	Opp. Container Terminal	QK (R)
E1	18-56.984N 072-56.200E	Anchorage	QK (R)
G	18-58.209N 072-57.118E	Anchorage	QK (G)
H	18-58.621N 072-57.422E	Anchorage	QK (G)
I	18-58.602N 072-56.853E	Anchorage	QK (R)
D1	18-56.950N 072-55.997E	Approach Channel	- -
BARNACLE BEACON	18-57.888N 072-56.728E	Opp. DPW Container Term	QK (R)

559. India East Coast – off Chennai. Charts 31 32 33 356 391 INT 706. Firing practice by Coast Guard aircraft between 0130 to 1130 UTC daily from 22 to 25 Oct 14 in area bounded by:

(A) 13-30N 082-00E (B) 14-30N 082-00E
(C) 14-30N 082-40E (D) 13-30N 082-40E

2. Safe flying height 2000 metres.
3. Cancel this MSG 251230 UTC Oct 14.

560. Andaman Sea – South Andaman. Charts 41 404 473 INT 706. Firing by Coast Guard aircraft from 0700 to 1030 UTC on 21 Oct and 0330 to 0730 UTC on 22 Oct 14 in area bounded by:

(A) 11-50N 093-20E (B) 11-50N 093-35E
(C) 12-00N 093-20E (D) 12-00N 093-35E

2. Safe flying height 2000 metres.
3. Cancel this MSG 220830 UTC Oct 14.

561. NAVAREA VIII – Messages in force as on 171003 UTC Oct 14

2013 Series – 035 160 197 228 428 493 506 547 662 672

2014 Series – 111 129 154 194 211 221 225 233 241 242 284 308 310 311 336 384 398 405 406 407 411 415 438 439 440 447 466 467 476 479 489 503 509 512 521 525 529 532 533 534 535 536 540 544 550 551 552 553 554 555 558 559 560

(a) Text of NAVAREA VIII warnings inforce including those which are no longer being broadcast are available on website www.hydrobharat.nic.in.

(b) Text of NAVAREA VIII warnings are also printed in section V of fortnightly editions of Indian Notices to Mariners.

2. Cancel this MSG 241003 UTC Oct 14.

562. Indian Ocean – Gulf of Mannar. Charts 32 224 263 INT 71 INT 706. Firing practice by Coast Guard aircraft from 0130 to 1130 UTC from 26 to 31 Oct 14. Danger area bounded by:

(A) 08-25N 078-25E (B) 08-40N 078-45E
(C) 08-35N 078-30E

2. Safe flying height 2000 metres and above.
3. Cancel this MSG 311230 UTC Oct 14.

563. Cancel NAVAREA VIII 550/14 and this MSG.

564. Cancel NAVAREA VIII 534/14. India West Coast – Arabian Sea. Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706. Rig list. Correct at 211001 UTC Oct 14

ABAN III	18-45.65N	072-19.21E
ABAN ICE	19-01.92N	071-19.06E
BADRINATH	21-36.81N	068-35.17E
CE THRONTON	18-30.06N	072-15.95E
DISCOVERY-1	18-38.20N	071-00.93E
DYNAMIC VISION	18-39.23N	070-58.86E
ENERGY DRILLER	18-53.90N	071-28.70E
FG MC CLINTOK	18-34.11N	072-13.45E
GREAT DRILLER CHAAYA	19-57.74N	071-00.13E
GREATDRILL CHITRA	18-40.10N	072-13.58E
GREATDRILL CHETNA	20-11.02N	071-17.35E
HARVEY H WARD	18-35.70N	072-12.81E
JINDAL STAR	18-36.12N	071-01.59E
JT ANGEL	23-01.00N	068-39.97E
KEDARNATH	23-01.68N	068-20.34E
NOBLE ED HOLT	19-36.62N	071-22.90E
RON TAPPMEYER	19-20.38N	071-25.41E
SAGAR GAURAV	19-12.67N	070-55.61E
SAGAR SHAKTI	19-13.89N	072-08.37E
SAGAR JYOTI	19-25.56N	071-17.81E
SAGAR KIRAN	19-25.24N	071-16.99E

564. Continued.

SAGAR LAXMI	20-58.00N	071-33.00E
SAGAR PRAGATI	20-58.00N	071-33.00E
SAGAR UDAY	19-32.27N	071-24.08E
SUNDOWNER VII	18-29.06N	072-15.15E
TRIDENT II	18-29.42N	072-14.73E
TRIDENT XII	19-07.35N	072-06.45E
VICTORY DRILLER	19-27.56N	071-11.24E NEW
VIRTUE-I	19-28.70N	071-46.66E

565. Cancel NAVAREA VIII 535/14 and this MSG. INTM 177 (20/14) refers.

566. Cancel NAVAREA VIII 564/14. India West Coast – Arabian Sea. Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706. Rig list. Correct at 241001 UTC Oct 14

ABAN III	18-45.65N	072-19.21E
ABAN ICE	19-01.92N	071-19.06E
BADRINATH	21-36.81N	068-35.17E
CE THRONTON	18-30.06N	072-15.95E
DISCOVERY-1	18-38.20N	071-00.93E
DYNAMIC VISION	18-39.23N	070-58.86E
ENERGY DRILLER	18-53.90N	071-28.70E
FG MC CLINTOK	18-57.12N	072-10.81E NEW
GREAT DRILLER CHAAYA	19-57.74N	071-00.13E
GREATDRILL CHITRA	18-40.10N	072-13.58E
GREATDRILL CHETNA	20-11.02N	071-17.35E
HARVEY H WARD	18-35.70N	072-12.81E
JINDAL STAR	18-54.75N	071-49.57E NEW
JT ANGEL	23-01.00N	068-39.97E
KEDARNATH	23-01.68N	068-20.34E
NOBLE ED HOLT	19-36.62N	071-22.90E
RON TAPPMEYER	19-20.38N	071-25.41E
SAGAR GAURAV	19-12.67N	070-55.61E
SAGAR SHAKTI	19-13.89N	072-08.37E
SAGAR JYOTI	19-25.56N	071-17.81E
SAGAR KIRAN	19-25.24N	071-16.99E
SAGAR LAXMI	20-58.00N	071-33.00E
SAGAR PRAGATI	20-58.00N	071-33.00E
SAGAR UDAY	19-32.27N	071-24.08E
SUNDOWNER VII	18-29.06N	072-15.15E
TRIDENT II	18-29.42N	072-14.73E
TRIDENT XII	19-07.35N	072-06.45E
VICTORY DRILLER	19-27.56N	071-11.24E
VIRTUE-I	19-28.70N	071-46.66E

567. NAVAREA VIII – Messages in force as on 241002 UTC Oct 14

2013 Series – 035 160 197 228 428 493 506 547 662 672

2014 Series – 111 129 154 194 211 221 225 233 241 242 284 308 310 311 336 384 398 405 406 407 411 415 438 439 440 447 466 467 476 479 489 503 521 525 529 532 533 536 540 551 552 553 554 555 558 559 562 566

(a) Text of NAVAREA VIII warnings inforce including those which are no longer being broadcast are available on website www.hydrobharat.nic.in.

(b) Text of NAVAREA VIII warnings are also printed in section V of fortnightly editions of Indian Notices to Mariners.

2. Cancel this MSG 311002 UTC Oct 14.

568. India East Coast – off Chennai. Charts 31 32 33 356 391 INT 706. Firing practice by Coast Guard aircraft between 0130 to 1130 UTC daily from 26 to 29 Oct 14 in area bounded by:

(A) 13-30N	082-00E	(B) 14-30N	082-00E
(C) 14-30N	082-40E	(D) 13-30N	082-40E

2. Safe flying height 2000 metres.

3. Cancel this MSG 291230 UTC Oct 14.

569. India East Coast – Bay of Bengal. Charts 32 33 356 INT 71 INT 706. Firing practice by Naval Aircraft between 0230 to 1130 UTC from 01 to 07 Nov and 15 to 21 Nov 14.

2. Danger zone extending upto 15 NM around 13-50N 081-40E.

3. Safe flying height 3100 metres.

4. Cancel this MSG 211230 UTC Nov 14.

570. India West Coast – Gulf of Khambhat. Charts 21 208 254 292 2039 2102 INT 71 INT 705. MV Hong Peng reported loss of anchor with 06 shackles of cable in position 21-41.39N 072-23.14E.

2. Caution advised.

571. Cancel NAVAREA VIII 551/14. Indian Ocean – Eastern Part. Charts INT 71 INT 73 INT 707. Yellow colour mooring buoy Triton reported adrift 036- 0.2Kt in vicinity 04-17.59S 093-17.10E on 26 Oct 14.

572. India East Coast – Chennai. Charts 32 33 313 356 357 3001 3004 INT 706. Firing practice by Naval Coast Battery between 0530 to 0730 UTC on 31 Oct 14

2. Danger area extending upto 11 NM within bearing 045 and 075 degree from 13-07.02N 080-18.01E.
3. Safe flying height 12800 metres.
4. Cancel this MSG 310830 UTC Oct 14.

573. Indian Ocean – Bay of Bengal. Charts 32 313 356 INT 71 INT 706. Helicopter sortie trials with flight module drop test will be carried out between 0200 to 0600 UTC daily from 30 Oct to 01 Nov 14 in area bounded by:

(A) 13-39.00N 080-17.00E (B) 13-39.00N 080-21.00E
(C) 13-34.00N 080-21.00E (D) 13-34.00N 080-17.00E

2. Cancel this MSG 010700 UTC Nov 14.

574. Andaman Sea – Myanmar Waters. Charts 41 325 371 451 INT 71. Vessel MV Sea Princess progressing side scan sonar survey till 31 Oct 14 in area bounded by:

(A) 15-46.43N 093-54.90E (B) 15-47.98N 093-56.65E
(C) 15-46.42N 093-58.25E (D) 15-44.98N 093-56.63E

2. Unauthorized navigation, anchoring, fishing and trawling prohibited within 4 KM from survey area.
3. Cancel this MSG 010001 UTC Nov 14.

575. India West Coast – Gulf of Khambhat. Charts 21 207 253 254 292 INT 71. MV Chios sunrise reported loss of anchor in position 20-31.4N 071-28.1E.

576. India West Coast – Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 71 INT 706 (.) Firing by Naval Coast Battery

Date	Time (UTC)
07 NOV 14	0900 TO 1200
11 NOV 14	0900 TO 1200
14 NOV 14	0900 TO 1200 AND 1230 TO 1430
18 NOV 14	0900 TO 1200
21 NOV 14	0900 TO 1200
25 NOV 14	0900 TO 1200
28 NOV 14	0900 TO 1200 AND 1230 TO 1430

2. Firing area bounded by:

(A) 09-57.5N 075-59.5E (B) 09-57.7N 076-14.2E
(C) 09-44.0N 076-17.5E (D) 09-42.5N 076-09.5E

3. Safe flying height 10000 metres.
4. Cancel this MSG 281530 UTC Nov 14.

577. India East Coast – Gopalpur. Charts 31 352 353 391 3005 int 706.

2. Army air defence firing scheduled from 062330 to 081730 UTC, 182330 to 211730 UTC and 232330 to 291730 UTC Nov 14 in area bounded by:

(A) 19-14.60N 084-53.70E (B) 19-07.39N 085-35.94E
(C) 18-33.61N 084-53.74E
and arc of 42 nm radius joining point (b) and (c).
Safe flying height 6100 metres.

3. Basic pilotless target aircraft flight scheduled from 062330 to 081730 UTC, 182330 to 211730 UTC and 232330 to 291730 UTC Nov 14 in area bounded by:

(A) 19-17.67N 084-55.21E (B) 19-10.75N 084-47.38E
(C) 18-56.03N 084-52.64E (D) 19-12.33N 085-14.92E
Safe flying height 1550 metres.

4. No over flight and vessels permitted in area.
5. Cancel this MSG 291830 UTC Nov 14.

578. NAVAREA VIII – Messages in force as on 311003 UTC Oct 14

2013 series – 035 160 197 228 428 493 506 547 662 672

2014 series – 111 129 154 194 211 221 225 233 241 242 284 308 310 311 336 384 398 405 406 407 411 415 438 439 440 447 466 467 476 479 489 503 521 529 532 533 536 540 552 553 554 555 558 566 569 570 571 573 574 575 576 577

(a) Text of NAVAREA VIII warnings inforce including those which are no longer being broadcast are available on website www.hydrobharat.nic.in.

(b) Text of NAVAREA VIII warnings are also printed in section V of fortnightly editions of Indian Notices to Mariners.

2. Cancel this MSG 071003 UTC Nov 14.

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
	ILE MAYOTTE						
D6890.8	- Passe M'zamboro (FR)	12 36.85 S 45 07.81 E	Fl R 4s	. .	3	Red □ on red beacon	**TE 2014** *
D6900.4	- Passe Bandrele. Recif Bandrele (FR)	12 53.61 S 45 15.09 E	VQ R	6 *	. .	Red □ on red beacon 4 *	
D6900.5	- - Recif Hajangoua (FR)	12 53.19 S 45 14.89 E	VQ G	8 *	. .	Green Δ on green beacon 6 *	
D7091.484	- Saint Leu. BS6 (FR)	21 10.28 S 55 16.89 E	Fl Y 2.5s	. .	. .	Yellow x on yellow buoyant beacon	Marks seaward limit of sanctuary *
D7091.487	- Pointe des Chateaux-Colimacons. BS5 (FR)	21 09.45 S 55 16.66 E	Fl Y 2.5s	. .	. .	Yellow x on yellow buoyant beacon	Marks seaward limit of sanctuary *
D7325.2	- Dir Lt 270°	23 49.78 N 57 31.47 E	Dir Iso WRG 2s	13	4	White ◇ on black pile	Iso G267.5°-268.8°(1.3°) Iso W268.8°-270.8°(2°) Iso R270.8°-271.7°(0.9°)
	- -	. .	*By day*	. .	2	. .	**TE 2014** *
F0765.18	-Galu Falhu W	04 12.41 N 73 29.81 E	Fl R 10s *	. .	. .	Beacon	
F0765.182	- Galu Falhu E	04 12.48 N 73 30.22 E	Fl R 10s *	. .	. .	Beacon	
F1208	- Port Blair. Command Point	11 41.62 N 92 43.81 E	Fl(2)W 10s *	11	5	White concrete tower 6	
	SELAT BULAN						
F1429.5	- Pulau Tanjungkubu	01 01.34 N 103 54.48 E	Fl(2)Y 10s	7	10	yellow x on yellow beacon	*fl 0.5, ec 2.5, fl 0.5, ec 6.5* Ra refl
*	*	*	*	*	*	*	*
F1434	-Tajung Cenggal	01 00.42 N 103 57.30 E	Fl(2)Y 10s	7	10	Yellow x on yellow beacon	*fl 0.5, ec 2.5, fl 0.5, ec 6.5* Ra refl
*	*	*	*	*	*	*	*
F1477.7	-Pulau Rebak Besar	06 17.50 N 99 41.40 E	Oc R	. .	. .	Beacon	**Missing (T) 2014** *
	PORT LUMUT. SOUTH APPROACHES						
F1558.5	-Pulau Katak	04 09.34 N 100 37.13 E	Oc WRG 10s	35	. .	White brick tower 11	
	- -	. .	LFI W 3s				
*	*	*	*	*	*	*	*
	PULAU-PULAU TIDUNG						
K1043.1	-Pulau Tikus (ID)	05 51.53 S 106 34.14 E	Q(9)W 15s	7	8	⊽ on yellow beacon , black band	*

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2014
(*Last correction: Edition No. 11 dated 01 Jun 2014*)

NIL

INP 31(2), 2007
(*Last correction: Edition No. 20 dated 16 Oct 2014*)

NIL

INP 31(5), 2011
(*Last correction: Edition No. 14 dated 16 Jul 2014*)

NIL

INP 31(6), 2012
(*Last correction: Edition No. 18 dated 15 Sep 2014*)

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@nic.in, msis-inho-navy@nic.in
Fax No.: +91-135- 2748373
WEB: www.hydrobharat.nic.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 chatted 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.

NATIONAL HYDROGRAPHIC OFFICE INDIA

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)	☐ Bathymetry	☐ Nav. Dangers	☐ Nav. aids	
	☐ Designated Areas	☐ Others		
Geographical Position (See Instructions Overleaf)	Latitude		Longitude	
Position Method	☐ DGPS	☐ GPS	☐ Radar	☐ Others
Datum Used	☐ WGS84	☐ Everest	☐ 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)

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