



# INDIAN NOTICES TO MARINERS



EDITION NO. 12 DATED 16 JUN 2014

(CONTAINS NOTICES 112 TO 116)

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(PUBLISHED ON NHO WEBSITE ON 1<sup>ST</sup> & 16<sup>TH</sup> OF EVERY MONTH)

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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.**

**Counterfeit products are not issued by official agencies and 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.**

### 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 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, 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 &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2011	31-05-2014	<b>APPROACHES TO JAIGARH AND ANGRE PORTS</b> <u>Limits</u> 17° 15'.00N; 73° 07'.00E. 17° 21'.60N; 73° 16'.00E.	25,000	3	Rs. 1870.00
2509	15-05-2014	<b>ASSUMPTION ISLAND (SEYCHELLES)</b> <u>Limits</u> 09° 47'.85S; 46° 25'.25E. 09° 39'.03S; 46° 34'.00E.	25,000	1	Rs. 1870.00
		<b>ASSUMPTION ISLAND - A</b> <u>Limits</u> 09° 42'.30S; 46° 29'.70E. 09° 41'.00S; 46° 31'.00E.	7,500		
		<b>ASSUMPTION ISLAND - B</b> <u>Limits</u> 09° 44'.20S; 46° 29'.20E. 09° 42'.90S; 46° 30'.50E.	7,500		

2. The Indian Charts permanently withdrawn are 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>
2011	31-05-2012	<b>APPROACHES TO JAIGARH</b>	2011	31-05-2014
2509	31-03-2012	<b>ASSUMPTION ISLAND (SEYCHELLES)</b>	2509	15-05-2014
		<b>ASSUMPTION ISLAND-A</b>		
		<b>ASSUMPTION ISLAND-B</b>		

3. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2023	<b>KAVARATTI ISLAND; KILTAN ISLAND</b>	25,000	New Chart
2045 (INT 7360)	<b>PORT OF KOCHI</b>	7,500	New Chart
2100 (INT 7344)	<b>APPROACHES TO PORT PIPAVAV</b>	50,000	New Chart
	<b>PORT PIPAVAV</b>	10,000	
4044	<b>SOUTH MIDDLE STRAIT</b>	12,500	New Chart
4045	<b>NORTH MIDDLE STRAIT</b>	12,500	New Chart
4161	<b>CAR NICOBAR ISLAND</b>	25,000	New Chart

## 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 Telex: 46274 Email: <a href="mailto:helpdesk@ukho.gov.uk">helpdesk@ukho.gov.uk</a> Web site: <a href="http://www.ukho.gov.uk">www.ukho.gov.uk</a>	JEPPESEN MARINE Jeppesen Norway AS Hovalandsveien 52 P.O. 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: <a href="mailto:enc@jeppesen.com">enc@jeppesen.com</a> , <a href="mailto:info@c-map.co.no">info@c-map.co.no</a> Website: <a href="http://www.jeppesen.com">www.jeppesen.com</a>
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: - <a href="http://www.primar.org">www.primar.org</a>	



**SECTION – I**

The list of charts affected by the notices 112 to 116 contained in this edition are as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
224	4	113
262	4	113
315	4	114
317	4	114
358 (INT 7394)	1	114
2016 (INT 7336)	3	116 (P)
2075 (INT 7366)	4	113
2076 (INT 7338)	3	116 (P)
2110	2	112
3009 (INT 7407)	5	115




**SECTION – II**  
**PERMANENT NOTICES**

**\*112/(12/14) INDIA – WEST COAST – Gulf of Khambhat – Dahej Harbour – Source Data.**

Source: NHO Dehradun.


**Chart 2110** [previous update 107/14]

Insert  accompanying block showing source data, centered on: 21° 40'·60N., 72° 33'·85E.

**\*113/(12/14) INDIA – WEST COAST – Tuticorin Harbour – Data Buoy.**

Source: IH – 102 V.O. Chidambaranar Port Trust.

**Chart 262** [previous update 129/12]

Insert  Fl(5)Y20s 08° 44'·18N., 78° 13'·74E.

**Chart 224** [previous update 269/10]

Insert  Fl(5)Y20s 08° 44'·18N., 78° 13'·74E.

**Chart 2075 (INT 7366)** [previous update 051/14]

Insert  Fl(5)Y20s 08° 44'·18N., 78° 13'·74E.

**Chart 2075 (INT 7366) (Plan)** [previous update 051/14]

Insert  Fl(5)Y20s 08° 44'·18N., 78° 13'·74E.

**\*114/(12/14) INDIA AND SRI LANKA – Palk Strait – Tower.**

Source: IH- 102 ICGS Mandapam.

**Chart 358 (INT 7394)** [previous update 053/12]

Insert  (15) 10° 02'·19N., 79° 16'·12E.

**Chart 317**[previous update 053/12]

Insert  (15) 10° 02'·11N., 79° 15'·92E.

**Chart 315**[previous update 107/11]

Insert  (15) 10° 02'·23N., 79° 16'·12E.

**\*115/(12/14) INDIA – EAST COAST – Approaches to Kakinada – Conspicuous object.**

Source: NHO Dehradun.

**Chart 3009 (INT 7407)** [previous update 131/13]

Insert  (30) 17° 01'·86N., 82° 17'·46E.

**Chart 3009 (INT 7407) (Plan)** [previous update 131/13]

Insert  (30) 17° 01'·86N., 82° 17'·46E.



**SECTION – III**  
**TEMPORARY AND PRELIMINARY NOTICES**

**\*116(P)/(12/14) INDIA – WEST COAST – Inner Approaches to Mumbai – Construction Work.**

Source: Mumbai Port Trust.

1. Construction work for jetty expansion at Pir Pau jetty for second chemical berth under progress in area bounded by following coordinates:

18° 58′.54N., 72° 54′.82E.

18° 58′.74N., 72° 55′.00E.

18° 58′.70N., 72° 55′.04E.

18° 58′.50N., 72° 54′.90E.

18° 58′.54N., 72° 54′.82E.

2. Mariners are advised to navigate with caution.

**Charts affected – 2016 (INT 7336) – 2076 (INT 7338).**



## **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](mailto:indsar@vsnl.net), or [icgmrc\\_mumbai@mtnl.net](mailto:icgmrc_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](http://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](http://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.

(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 (16<sup>th</sup> 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 Thuarya, 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.

### 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:-

<p><b>JEPPESEN MARINE</b>  <b>Jeppesen Norway AS</b>  P.O. 212,  N-4379, Egersund, Norway  Ph: 0047 51 464700  Fax: 0047 51 464701  Email: <a href="mailto:info@c-map.no">info@c-map.no</a>  Site: <a href="http://www.c-map.no">www.c-map.no</a></p>	<p><b>C-Map US Commercial</b>  133 Falmouth Road,  Building 2, Postal Code: 02649,  Mashpee, MA, America  Ph: +1 (508) 477 8010  Fax: +1 (508) 539 4381  Email: <a href="mailto:info@c-map.com">info@c-map.com</a></p>	<p><b>C-Map (UK) Ltd.</b>  Systems House  Delta Business Park  Salterns Lane, Fareham,  PO16 0QS, United Kingdom,  Ph: +44 (0) 1329 517777  Fax: +44 (0) 1329 517778  Email: <a href="mailto:info@c-map.co.uk">info@c-map.co.uk</a></p>
<p><b>Mari-Sys Pte Ltd.</b>  20 Ayer Rajah Crescent,  08-21, SE 139964,  Republic of Singapore  Ph: +65 6776 1898  Email: <a href="mailto:info@mari-sys.com">info@mari-sys.com</a></p>	<p><b>Bogerd Martin NV,</b>  Oude Leeuwenrui 37  2000 Antwerp, Belgium  Ph: +32 (3) 2134170  Fax: +32 (3) 2326167  Email: <a href="mailto:sales@martin.be">sales@martin.be</a>  Site: <a href="http://www.martin.be">www.martin.be</a></p>	<p><b>Bogerd Martin Tianjin (China Branch)</b>  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: <a href="mailto:charts-tj@martincn.com">charts-tj@martincn.com</a></p>
<p><b>C-Map Holland</b>  Paleiskade 100  PO Box 7  1781 AR Den Helder,  Holland  Ph: +31 223 616 700  E Mail: CorMallie <a href="mailto:cor@chartworx.nl">cor@chartworx.nl</a></p>		

**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: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a>	M/s Sterling Book House, 181, Dr. DN Road Fort, Mumbai – 400 001 Tel: 91-22-22612521, Fax: 91-22-22623551 Email : <a href="mailto:sbh@vsnl.com">sbh@vsnl.com</a>
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: <a href="mailto:sales@bogerdmartin.com">sales@bogerdmartin.com</a> , <a href="mailto:sarmarin@vsnl.com">sarmarin@vsnl.com</a>	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: <a href="mailto:ewsbom@bom3.vsnl.net.in">ewsbom@bom3.vsnl.net.in</a>
M/s C & C Marine Combine 25 Bank Street, 1 <sup>st</sup> Floor, Mumbai - 400 023 Tel: 91-22- 22660525, 22661937, 22672143 Fax: 91-22-22670896 Email: <a href="mailto:ccmarine@bom5.vsnl.net.in">ccmarine@bom5.vsnl.net.in</a>	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: <a href="mailto:ewl-india@ewliner.com">ewl-india@ewliner.com</a>
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 : <a href="mailto:mahalakshmitravels@hotmail.com">mahalakshmitravels@hotmail.com</a>	M/s Jeppesen India Pvt. Ltd 505, Raheja Arcade, Sector 11 CBD, Belapur Navi Mumbai – 400 614 Tel: +91 22 5610 3668, Fax: +91 22 55939504 Mob: +9322238542 Email: <a href="mailto:raj_chakravorty@yahoo.com">raj_chakravorty@yahoo.com</a> , <a href="mailto:info@c-map.co.in">info@c-map.co.in</a> Website: <a href="http://www.c-map.co.in">www.c-map.co.in</a>
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 : <a href="mailto:jmms@mtnl.net.in">jmms@mtnl.net.in</a> , <a href="mailto:charts@mtnl.net.in">charts@mtnl.net.in</a>	M/S Inspire Shipping, 46a, Ashok Chamber, Broach Street, Masjid Bunder (E), Mumbai – 400 009 Fax : 022 – 27713146 Email : <a href="mailto:info@inspireship.com">info@inspireship.com</a> , <a href="mailto:pramod@inspireship.com">pramod@inspireship.com</a>
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: <a href="mailto:sankar_roy342@yahoo.in">sankar_roy342@yahoo.in</a>	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: <a href="mailto:ashiskantha@gmiindia.in">ashiskantha@gmiindia.in</a> Web: <a href="http://www.gmiindia.in">www.gmiindia.in</a>
Engineering Logistics Executive Multi Services Door No: 61-4-45-A/4 Prakash Nagar Malkapuram Visakhapatnam - 530 014 Mob: +91 9133362541/9966244818 Email: <a href="mailto:elemulti.services69@yahoo.com">elemulti.services69@yahoo.com</a>	M/s L. R. Marine Services 301, 3rd Floor, Biry 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: <a href="mailto:lrcharts@gmail.com">lrcharts@gmail.com</a> , <a href="mailto:lrmarine@live.com">lrmarine@live.com</a>
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: <a href="mailto:info@aatash.com">info@aatash.com</a> , <a href="mailto:zubin@aatash.com">zubin@aatash.com</a>	

**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 15 Jun 14:

**2013 Series** – 035 160 197 228 343 428 473 493 506 547 662 672

**2014 SERIES** – 089 111 119 123 129 151 153 154 187 192 194 211 221 224 225 233 241 242 252  
275 284 304 308 310 311 314 317 318 320 323 332 334 336 337 340 341 342 343

3. NAVAREA VIII Warnings issued during the period from 01 Jun to 15 Jun 14 (both dates inclusive) are as tabulated below: –

<b>327.</b>	<b>India East Coast – Bay of Bengal.</b> CHARTS 31 32 33 354 355 357 391 INT 706. Rig list. Correct at 031001 UTC Jun 14:			
	ABAN II	15-01.03N		080-10.12E
	ACTINIA	16-26.83N		082-21.29E
	DEEP SEA MATDRILL	16-33.83N		082-19.90E
	DSR DHIRUBHAI DEEPWATER KG-1	16-30.19N		082-38.50E
	DSR DHIRUBHAI DEEPWATER KG-2	16-30.70N		082-33.60E
	PLATINUM EXPLORER	19-38.90N		088-10.50E
	GSF-140	16-27.12N		082-28.43E
	HERCULES TRIUMPH	16-28.46N		082-12.60E
	HERCULES 208	16-23.93N		082-07.94E
	NOBLE DUCHESS	16-29.36N		082-23.88E
	SAGAR RATNA	15-17.29N		080-08.50E
	D S SAGAR VIJAY	16-19.08N		082-16.00E
	GSF EXPLORER	16-05.00N		082-14.01E
	SAGAR BHUSHAN	16-33.29N		082-23.76E
	SAGAR RATNA	16-22.06N		081-59.40E
	wide berth requested.			
2.	Cancel NAVAREA VIII 324/14.			
<b>328.</b>	<b>Cancel NAVAREA VIII 257/14, 540/13 and this MSG.</b> INM 108/14 and Section VII of INM edition 11/14 refers.			
<b>329.</b>	<b>India West Coast – off Goa.</b> Charts 22 215 257 293 INT 71 INT 705. Firing practice by Naval ships between 0500 to 1000 UTC daily from 09 to 10 Jun 14 in area bounded by:			
	(a)	15-03.0N	073-24.5E	(b) 14-54.0N 073-28.8E
	(c)	14-50.0N	073-19.0E	(d) 14-59.0N 073-14.8E
2.	Safe flying height 1000 metres.			
3.	Cancel this MSG 101100 UTC Jun 14.			
<b>330.</b>	<b>India West Coast – off Goa.</b> Charts 22 214 215 216 257 293 INT 705 INT 706. Missile firing practice by IAF between 0430 to 0730 UTC daily from 09 to 13 Jun 14 in area bounded by:			
	(a)	15-03.30N	073-25.40E	(b) 14-23.06N 074-03.08E
	(c)	14-00.00N	073-17.45E	
2.	Safe flying height 9200 metres.			
3.	Cancel this MSG 130830 UTC Jun 14.			
<b>331.</b>	<b>India West Coast – Mormugao.</b> Chart 22 214 215 257 293 2020 2022 INT 705. Firing by Naval Coast Battery between 0300 to 0400 UTC on 11 Jun 14.			
2.	Danger area sector from 200 to 260 degree upto 20 NM seaward from 15-24.6N 073-47.1E.			
3.	Safe flying height 6500 metres.			
4.	Cancel this MSG 110500 UTC Jun 14.			
<b>332.</b>	<b>India East Coast – Gopalpur.</b> Charts 31 352 353 391 3005 INT 706. Air defence firing will be carried out by Army between 2330 to 1800 UTC daily from 11-14 Jun, 16-19 Jun and 24-26 Jun 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	
	arc of 41 NM radius joining point (b) and (c).			
2.	Safe flying height 6100 metres.			
3.	Cancel this MSG 261900 UTC Jun 14.			

<b>333. NAVAREA VIII – messages in force as on 061001 UTC Jun 14:</b> <b>2013 SERIES</b> – 035 160 197 228 335 343 374 428 430 451 473 493 506 547 662 665 672 <b>2014 SERIES</b> – 058 079 089 111 119 123 129 151 153 154 187 192 194 211 221 224 225 233 241 242 252 253 275 284 297 304 308 310 311 314 317 318 320 321 323 327 329 330 331 332 (a) NAVAREA VIII warnings less than 42 days old (24/14 onward) are promulgated via SafetyNET. (b) Text of NAVAREA VIII warnings in force including those which are no longer being broadcast are available on website www.hydrobharat.nic.in (c) Texts of NAVAREA VIII warnings are also printed in section v of fortnightly editions of Indian Notices to Mariners. 2. Cancel this MSG 131001 UTC Jun 14.																																																																																										
<b>334. India West Coast – Suratkal.</b> Charts 22 217 258 272 293 2002 2052 INT 705 INT 706. Suratkal DGPS (13-00.29N 074-47.38E) off air.																																																																																										
<b>335. India West Coast – Arabian Sea.</b> Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706. Rig list. Correct at 061231 UTC Jun 14: <table border="0"> <tr><td>ABAN III</td><td>18-45.65N</td><td>072-19.21E</td></tr> <tr><td>ABAN IV</td><td>19-31.81N</td><td>071-25.03E</td></tr> <tr><td>ABAN ICE</td><td>18-49.82N</td><td>070-55.98E</td></tr> <tr><td>BADRINATH</td><td>21-36.81N</td><td>068-35.17E</td></tr> <tr><td>CE THORNTON</td><td>18-30.06N</td><td>072-15.95E</td></tr> <tr><td>DISCOVERY-1</td><td>18-38.20N</td><td>071-00.93E</td></tr> <tr><td>DYNAMIC VISION</td><td>18-39.23N</td><td>070-58.86E</td></tr> <tr><td>ENERGY DRILLER</td><td>18-53.26N</td><td>071-28.70E</td></tr> <tr><td>FG MC CLINTOK</td><td>18-34.11N</td><td>072-13.45E</td></tr> <tr><td>GREAT DRILLER CHAAYA</td><td>19-28.77N</td><td>071-25.13E</td></tr> <tr><td>GREATDRILL CHITRA</td><td>19-34.15N</td><td>071-07.97E</td></tr> <tr><td>GREATDRILL CHETNA</td><td>20-11.03N</td><td>071-17.33E</td></tr> <tr><td>HARVEY H WARD</td><td>18-35.77N</td><td>072-12.80E</td></tr> <tr><td>JINDAL STAR</td><td>18-36.12N</td><td>071-01.59E</td></tr> <tr><td>JT ANGEL</td><td>23-01.00N</td><td>068-39.97E</td></tr> <tr><td>KEDARNATH</td><td>21-02.47N</td><td>072-05.09E</td></tr> <tr><td>NOBLE ED HOLT</td><td>19-36.62N</td><td>071-22.90E</td></tr> <tr><td>RON TAPPEMEYER</td><td>19-07.74N</td><td>072-02.61E</td></tr> <tr><td>SAGAR GAURAV</td><td>19-37.52N</td><td>071-23.17E</td></tr> <tr><td>SAGAR SHAKTI</td><td>19-13.89N</td><td>072-08.37E</td></tr> <tr><td>SAGAR JYOTI</td><td>19-04.16N</td><td>072-05.24E</td></tr> <tr><td>SAGAR KIRAN</td><td>19-21.07N</td><td>071-10.91E</td></tr> <tr><td>SAGAR LAXMI</td><td>20-58.00N</td><td>071-33.00E</td></tr> <tr><td>SAGAR PRAGATI</td><td>20-55.76N</td><td>071-31.60E</td></tr> <tr><td>SAGAR UDAY</td><td>19-06.32N</td><td>071-22.21E</td></tr> <tr><td>SUNDOWNER V</td><td>19-32.20N</td><td>071-17.80E</td></tr> <tr><td>SUNDOWNER VII</td><td>18-43.45N</td><td>072-20.31E</td></tr> <tr><td>TRIDENT II</td><td>19-10.61N</td><td>070-57.70E</td></tr> <tr><td>TRIDENT XII</td><td>19-07.35N</td><td>072-06.45E</td></tr> <tr><td>VICTORY DRILLER</td><td>19-18.81N</td><td>071-25.05E</td></tr> </table> wide berth requested. 2. Cancel NAVAREA VIII 321/14.	ABAN III	18-45.65N	072-19.21E	ABAN IV	19-31.81N	071-25.03E	ABAN ICE	18-49.82N	070-55.98E	BADRINATH	21-36.81N	068-35.17E	CE THORNTON	18-30.06N	072-15.95E	DISCOVERY-1	18-38.20N	071-00.93E	DYNAMIC VISION	18-39.23N	070-58.86E	ENERGY DRILLER	18-53.26N	071-28.70E	FG MC CLINTOK	18-34.11N	072-13.45E	GREAT DRILLER CHAAYA	19-28.77N	071-25.13E	GREATDRILL CHITRA	19-34.15N	071-07.97E	GREATDRILL CHETNA	20-11.03N	071-17.33E	HARVEY H WARD	18-35.77N	072-12.80E	JINDAL STAR	18-36.12N	071-01.59E	JT ANGEL	23-01.00N	068-39.97E	KEDARNATH	21-02.47N	072-05.09E	NOBLE ED HOLT	19-36.62N	071-22.90E	RON TAPPEMEYER	19-07.74N	072-02.61E	SAGAR GAURAV	19-37.52N	071-23.17E	SAGAR SHAKTI	19-13.89N	072-08.37E	SAGAR JYOTI	19-04.16N	072-05.24E	SAGAR KIRAN	19-21.07N	071-10.91E	SAGAR LAXMI	20-58.00N	071-33.00E	SAGAR PRAGATI	20-55.76N	071-31.60E	SAGAR UDAY	19-06.32N	071-22.21E	SUNDOWNER V	19-32.20N	071-17.80E	SUNDOWNER VII	18-43.45N	072-20.31E	TRIDENT II	19-10.61N	070-57.70E	TRIDENT XII	19-07.35N	072-06.45E	VICTORY DRILLER	19-18.81N	071-25.05E
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TRIDENT XII	19-07.35N	072-06.45E																																																																																								
VICTORY DRILLER	19-18.81N	071-25.05E																																																																																								
<b>336. India West Coast – off Mumbai.</b> Charts 21 22 211 255 292 293 INT 71 INT 705. Rigs deep sea fortune and deep sea fossil anchored at 18-52.60N 072-51.51E. 2. Caution advised.																																																																																										
<b>337. India East Coast – Visakhapatnam.</b> Charts 31 32 354 3012 INT 706. Dolphin's nose DGPS off air.																																																																																										
<b>338. India East Coast – Bay of Bengal.</b> Charts 31 32 33 354 355 357 391 INT 706. Rig list. Correct at 101001 UTC Jun 14: <table border="0"> <tr><td>ABAN II</td><td>15-01.03N</td><td>080-10.12E</td></tr> <tr><td>ACTINIA</td><td>16-26.83N</td><td>082-21.29E</td></tr> <tr><td>DEEP SEA MATDRILL</td><td>16-33.83N</td><td>082-19.90E</td></tr> <tr><td>DSR DHIRUBHAI DEEPWATER KG-1</td><td>16-30.19N</td><td>082-38.50E</td></tr> <tr><td>DSR DHIRUBHAI DEEPWATER KG-2</td><td>16-33.29N</td><td>082-32.85E</td></tr> <tr><td>PLATINUM EXPLORER</td><td>19-38.90N</td><td>088-10.50E</td></tr> <tr><td>GSF-140</td><td>16-27.12N</td><td>082-28.43E</td></tr> </table>	ABAN II	15-01.03N	080-10.12E	ACTINIA	16-26.83N	082-21.29E	DEEP SEA MATDRILL	16-33.83N	082-19.90E	DSR DHIRUBHAI DEEPWATER KG-1	16-30.19N	082-38.50E	DSR DHIRUBHAI DEEPWATER KG-2	16-33.29N	082-32.85E	PLATINUM EXPLORER	19-38.90N	088-10.50E	GSF-140	16-27.12N	082-28.43E																																																																					
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GSF-140	16-27.12N	082-28.43E																																																																																								

<b>338. Continued.</b>		
HERCULES TRIUMPH	16-28.46N	082-12.60E
HERCULES 208	16-23.93N	082-07.94E
NOBLE DUCHESS	16-29.36N	082-23.88E
SAGAR RATNA	15-17.29N	080-08.50E
D S SAGAR VIJAY	16-19.08N	082-16.00E
GSF EXPLORER	16-05.00N	082-14.01E
SAGAR BHUSHAN	16-33.29N	082-23.76E
SAGAR RATNA	16-22.06N	081-59.40E
wide berth requested.		
2.	Cancel NAVAREA VIII 327/14.	
<b>339. Cancel NAVAREA VIII 335/13, 374/13, 430/13, 451/13, 665/13, 058/14, 079/14, 253/14 and this MSG.</b>		
<b>340. India West Coast – Okha.</b> CHARTS 21 202 203 251 271 291 2013 2068 INT 705. Firing by naval coast battery between 0001 to 0200 UTC on 18 Jun 14.		
2.	Danger area from 300 degree to 020 degree up to 12 NM seaward from position 22-28.04N 069-04.99E.	
3.	Safe flying height 13000 metres.	
4.	Cancel this MSG 180300 UTC Jun 14.	
<b>341. India West Coast – Arabian Sea.</b> Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706. Rig list. Correct at 121002 UTC Jun 14:		
ABAN III	18-45.65N	072-19.21E
ABAN IV	19-31.81N	071-25.03E
ABAN ICE	18-49.82N	070-55.98E
BADRINATH	21-36.81N	068-35.17E
CE THORNTON	18-30.06N	072-15.95E
DISCOVERY-1	18-38.20N	071-00.93E
DYNAMIC VISION	18-39.23N	070-58.86E
ENERGY DRILLER	18-53.26N	071-28.70E
FG MC CLINTOK	18-34.11N	072-13.45E
GREAT DRILLER CHAAYA	19-28.77N	071-25.13E
GREATDRILL CHITRA	18-40.10N	072-13.58E
GREATDRILL CHETNA	20-11.03N	071-17.33E
HARVEY H WARD	18-35.70N	072-12.80E
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 TAPPMAYER	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	20-55.76N	071-31.60E
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	19-18.81N	071-25.05E
wide berth requested.		
2.	Cancel NAVAREA VIII 335/14.	
<b>342. India East Coast – Bay of Bengal.</b> Charts 31 32 33 354 355 357 391 INT 706. Rig list. Correct at 121003 UTC Jun 14:		
ABAN II	15-01.03N	080-10.12E
ACTINIA	16-26.83N	082-21.29E
DEEP SEA MATDRILL	16-33.83N	082-19.90E
DSR DHIRUBHAI DEEPWATER KG-1	16-30.19N	082-38.50E
DSR DHIRUBHAI DEEPWATER KG-2	16-33.29N	082-32.85E
PLATINUM EXPLORER	19-38.90N	088-10.50E
GSF-140	16-27.12N	082-28.43E
HERCULES TRIUMPH	16-28.46N	082-12.60E
HERCULES 208	16-23.93N	082-07.94E



<b>342.</b>	<b>Continued.</b>		
	NOBLE DUCHESS	16-29.36N	082-23.88E
	D S SAGAR VIJAY	16-19.08N	082-16.00E
	GSF EXPLORER	16-05.00N	082-14.01E
	SAGAR BHUSHAN	16-33.29N	082-23.76E
	SAGAR RATNA	16-22.06N	081-59.40E
	wide berth requested.		
2.	Cancel NAVAREA VIII 338/14.		
<b>343.</b>	<b>NAVAREA VIII – Messages in force as on 131001 UTC Jun 14.</b>		
	<b>2013 SERIES</b> – 035 160 197 228 343 428 473 493 506 547 662 672		
	<b>2014 SERIES</b> – 089 111 119 123 129 151 153 154 187 192 194 211 221 224 225 233 241		
	242 252 275 284 304 308 310 311 314 317 318 320 323 332 334 336 337 340 341		
	342		
	(a) NAVAREA VIII warnings less than 42 days old (275/14 onward) are promulgated via SafetyNET.		
	(b) Text of NAVAREA VIII warnings inforce including those which are no longer being broadcast are available on website <a href="http://www.hydrobharat.nic.in">www.hydrobharat.nic.in</a>		
	(c) Texts of NAVAREA VIII warnings are also printed in section v of fortnightly editions of Indian Notices to Mariners.		
2.	Cancel this MSG 201001 UTC Jun 14.		



**SECTION – VI**  
**CORRECTIONS TO SAILING DIRECTIONS (PILOTS)**

West Coast of India Pilot (INP-1)  
Chapter –10 (Page 303)  
(Source: BA 24/14)

Article 10.121,  
Delete para 2.

Article 10.121, para 3, line 1,  
Delete text "The alignment (040°) of these lights" and replace  
by, "The line of bearing 040° of a beacon (framework tower)  
(24°47'.60N, 66°59'.89E)"

Article 10.123, para 2, lines 3-4,  
Delete text "with the leading.....in line (040°)" and  
replace by, "with the beacon described at 10.121 bearing  
040°.

West Coast of India Pilot (INP-1)  
Chapter –8 (Page 256)  
(Source: Dahej Petronet LNG Ltd.)

Article 8.143 c para 2 delete and replace by

2 The North LNG jetty is located at position (21° 40'.43N, 72° 30'.60E). The newly constructed LNG south jetty is located approx. 500m south of North LNG jetty in position (21° 40'.13N, 72° 30'.60E)

Article 8.143 c para 16  
Insert text at the end of line 4

16 Two tug mooring dolphins TB1 & TB2 has been installed in position 21° 39'.71N, 72° 30'.82E & 21° 39'.89N, 72° 30'.82E respectively.

**SECTION – VII**  
**CORRECTIONS TO LIST OF LIGHTS**

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D6491	- Barra Norte. Monte Culfield. Lacerda	25 33.75 S 32 50.62 E	Fl(3)W 12s	61	5	White □ on aluminium framework tower 10	TE 2014
	----	..	Racon	..	..	..	ILRS Vol 2 Station 74200 *
D6522	Barra do Limpopo. Monte Belo	25 11.34S 33 30.08E	Fl W 4.5s	93	20	White masonry tower on dwelling 14	TE 2014  *
F1697.991	- Nongsa (ID)	01 12.17 N 104 05.65 E	Fl(2)G 3s *	..	..	Green Δ on green beacon	
F1697.9911	-- (ID)	01 12.18 N 104 05.70 E	Fl(2)R 3s *	..	..	Red □ on red beacon	
F1697.9912	-- (ID)	01 12.03 N 104 05.66 E	Fl(2)G 3s *	..	..	Green Δ on green beacon	
F1697.9913	-- (ID)	01 12.02 N 104 05.68 E	Fl(5)R 3s *	..	..	Red □ on red beacon	
F1697.9914	-- (ID)	01 11.76 N 104 05.66 E	Fl(5)G 3s *	..	..	Green Δ on green beacon	
*	*	*	*	*	*	*	*
F1697.9915	-- (ID)	01 12.18 N 104 05.76 E	Fl(4)G 5s *	..	..	Green Δ on green beacon	
*	*	*	*	*	*	*	*
F1697.9916	-- (ID)	01 12.18 N 104 05.79 E	Fl(4)R 5s *	..	..	Red □ on red beacon	
*	*	*	*	*	*	*	*
F1697.9917	-- (ID)	01 11.96 N 104 05.76 E	Fl(5)G 3s *	..	..	Green Δ on green beacon	
*	*	*	*	*	*	*	*
F1697.9918	-- (ID)	01 11.96 N 104 05.79 E	Fl(4)R 5s *	..	..	Red □ on red beacon	
*	*	*	*	*	*	*	*
F1697.9919	-- (ID)	01 11.92 N 104 05.82 E	Fl(4)R 5s *	..	..	Red □ on red beacon	
*	*	*	*	*	*	*	*
K1074	- West Mole. Head	06 04.83 S 106 52.90 E	Fl G 5s *	22	12	Green Δ on green beacon 20	fl 1. TE 2014 *

**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. 11 dated 01 Jun 2014)*

**NIL**

**INP 31(5), 2011**

*(Last correction: Edition No. 11 dated 01 Jun 2014)*

**NIL**

**INP 31(6), 2012**

*(Last correction: Edition No. 11 dated 01 Jun 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 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.



<b>HYDROGRAPHIC NOTE</b>				<b>IH.102 (Revised 2012)</b>	
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					

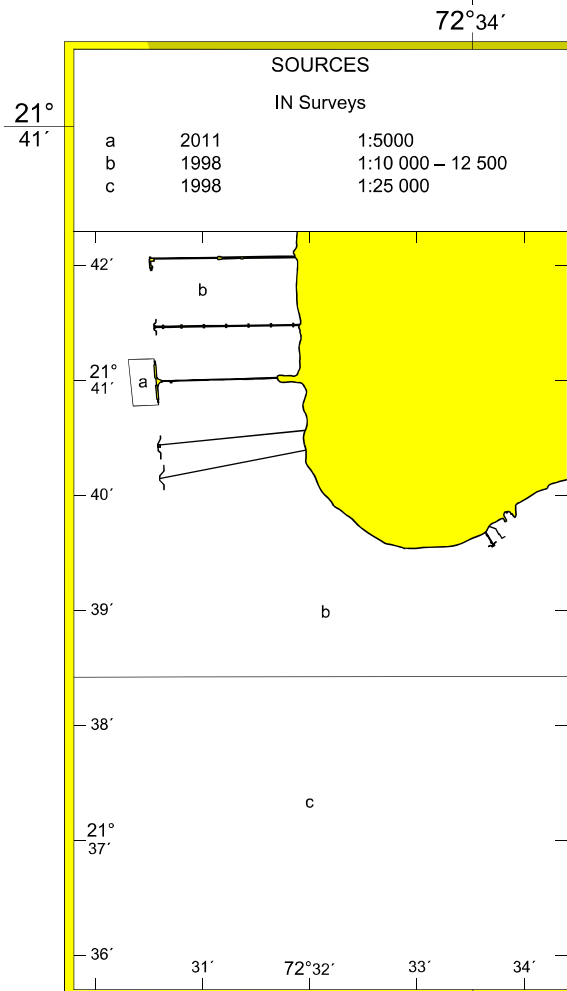
<b>HYDROGRAPHIC NOTE FOR PORT INFORMATION</b> (To accompany Form IH.102)		<b>IH.102A</b> (Revised 2012)	
Date		Ref. No.	
Name of the Ship or Sender			
Address			
Tel/Fax/E-mail			
<b>1. NAME OF PORT</b>			
Location	Latitude		Longitude
<b>2. GENERAL REMARKS</b>			
Principal activities and trade			
Number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



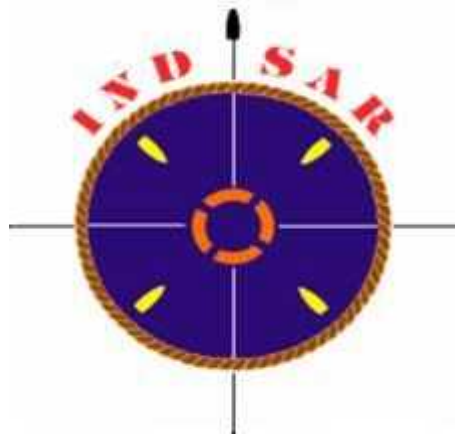
<b>7. TUGS (Continued)</b>	
Requesting authority	
Availability timing / Communication	
Hiring charges	
<b>8. BERTHING AND WHARVES</b>	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
<b>9. CARGO HANDLING</b>	
Containers	
Lighters & Ro-Ro etc.	
<b>10. CRANES</b>	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
<b>11. BRIDGES</b>	
Vertical clearance	
<b>12. REPAIRS</b>	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
<b>13. SERVICES</b>	
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	

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

To accompany Indian Notice to Mariners No.112/2014.



Block correction for Chart No. 2110



**FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR**

**Email: [indsar@vsnl.net](mailto:indsar@vsnl.net)**

**NATION WIDE SAR TELE: 1554 (LAND LINE)**

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

**AFTN: VABBYXYC**