



INDIAN NOTICES TO MARINERS



EDITION NO. 24 DATED 16 DEC 2013

(CONTAINS NOTICES 210 TO 216)

REACH US 24 x 7



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CONTENTS

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

(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH 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**



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 is available for mariners in the market are as follows:-

NIL

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52077A	2077	APPROACHES TO PAWAS BAY	31-10-2013
IN52077I	2077	HARNAI ANCHORAGE	29-10-2013
IN63024V	3024	BAVANAPADU ANCHORAGE	28-10-2013
IN53024A	3024	KALINGAPATNAM ANCHORAGE	28-10-2013
IN52513C	2513	COETIVY ISLAND	08-11-2013
IN52506G	2506	GRAND BAY	03-12-2013
IN52506R	2506	GRAND RIVIERE NOIRE BAY	03-12-2013
IN62105A	2105	JAIGARH AND ANGRE PORTS	03-12-2013

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN62106P	2106	MUNDRA PORT	31-10-2013
IN62107W	2107	MUNDRA PORT WEST BASIN	31-10-2013
IN3206VD	206	VERAVAL TO DIU HEAD	02-12-2013

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 The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell No</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN62106P	2106	MUNDRA PORT	12-03-2012
IN62107W	2107	MUNDRA PORT WEST BASIN	13-04-2012
IN52077H	2077	APPROACHES TO PAWAS BAY	27-10-2008
IN52077P	2077	HARNAI ANCHORAGE	11-03-2011
IN63024B	3024	BAVANAPADU ANCHORAGE	07-03-2008
IN53024K	3024	KALINGAPATNAM ANCHORAGE	14-09-2010
IN3206VD	206	VERAVAL TO DIU HEAD	13-01-2011
IN62105P	2105	JAIGARH PORT	12-03-2012

VI

5. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
210	UMARGAM TO SATPATI	150,000	New Edition
2002 (INT 7351)	PORTS OF NEW MANGALORE AND MANGALORE	20,000	New Chart
2010	KARWAR HARBOUR	12,500	New Chart
2038	RAJAPUR BAY AND VIJAYDURG HARBOUR	25,000	New Chart
2046	VENGURLA ANCHORAGE: REDI ANCHORAGE	25,000	New Chart
2513	COETIVY ISLAND	37,500	New Chart
2506	GRAND BAY AND GRAND RIVIERE NOIRE BAY	25,000	New Chart
2111	VIZHINJAM PORT	7,500	New Chart
3034	APPROACHES TO KRISHNAPATNAM	50,000	New Chart
	KRISHNAPATNAM PORT	15,000	
2079 (INT7329)	APPROACHES TO MUNDRA PORT	37,500	New Chart
2031 (INT7326)	OKHA HARBOUR	37,500	New Chart

6. The new Indian Publication that is available for mariners in the market is as follows:-

<i>Title of Publication</i>	<i>Edition</i>
Nautical Almanac	2014

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: 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 210 to 216 contained in this edition are as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
41 (INT 757)	6	213
209	2	210
211	3	211
255 (INT 7334)	3	211
288	1	214
289	1	214, 215
2086	1	216 (P)
2101	2	210
3013 (INT 7422)	5	212



SECTION – II
PERMANENT NOTICES

***210/(24/13) INDIA – WEST COAST – Approaches to Hazira – Pilot Boarding Place.**

Source: HPPL

Chart 209 [previous update 161/13]

Insert  Hazira (Surat) Port (Non LNG) 21° 02'·00N., 72° 34'·00E.

Substitute  Hazira (Surat) Port (LNG) for  Hazira Port 20° 54'·00N., 72° 35'·00E.

Chart 2101 [previous update 085/13]

Insert  Hazira (Surat) Port (Non LNG) 21° 02'·00N., 72° 34'·00E.

Substitute  Hazira (Surat) Port (LNG) for  Hazira Port 20° 54'·00N., 72° 35'·00E.

***211/(24/13) INDIA – WEST COAST – Approaches to Mumbai – Fishing stakes.**

Source: HQ NO 2 ICG

Chart 255 (INT 7334) [previous update 188/13]

Insert  18° 40'·98N., 72° 39'·22E.

Chart 211 [previous update 180/13]

Insert  18° 41'·03N., 72° 39'·19E.

***212/(24/13) INDIA – EAST COAST – Hugli River– Haldia to Kukrahati Reach – Jetty. Legend.**

Source: Kolkata Port Trust

Chart 3013 (INT 7422) [previous update 160/12]

Insert jetty, single firm line, joining: 22° 01'·01N., 88° 04'·13E.

22° 00'·95N., 88° 04'·17E.

and

22° 00'·92N., 88° 04'·08E.

22° 00'·94N., 88° 04'·11E.

22° 00'·93N., 88° 04'·14E.

22° 00'·95N., 88° 04'·17E.

22° 00'·96N., 88° 04'·20E.

22° 01'·00N., 88° 04'·21E.

22° 01'·01N., 88° 04'·24E.

Delete Legend, “Works in Progress (1988)”.

22° 00'·90N., 88° 04'·15E.

***213/(24/13) INDIA – Andaman and Nicobar Islands – Nicobar Islands – Light.**

Source: DLL Port Blair

Chart 41 (INT 757) [previous update 169/13]

Insert  Fl.10M 07° 55'·62N., 93° 19'·75E.

08° 00'·42N., 93° 24'·45E.

214/(24/13) UNITED ARAB EMIRATES – Qatar to Shatt- Al - Arab – AIS.

Source: BA Notice 5261/13.

Chart 288 [previous update 208/13]

Insert	Automatic Identification System, <i>AIS</i> , at light-buoy	25° 58′.00N., 51° 52′.90E.
		25° 58′.60N., 52° 00′.00E.
		25° 30′.20N., 52° 04′.20E.
		25° 28′.60N., 52° 04′.20E.

Chart 289 [previous update 209/13]

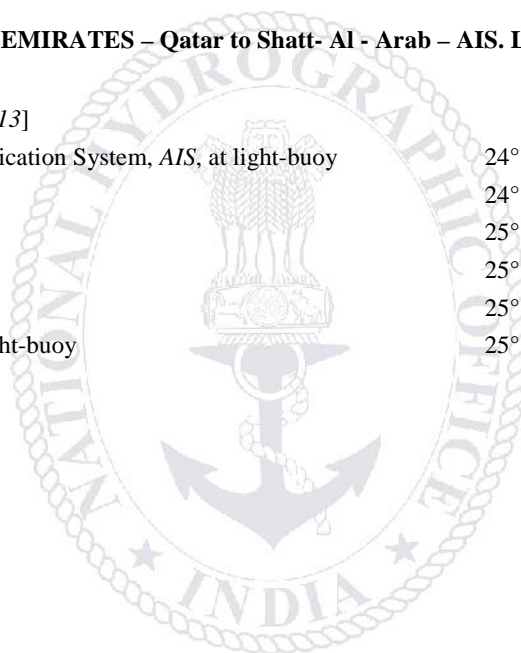
Insert	Automatic Identification System, <i>AIS</i> , at light-buoy	25° 58′.00N., 51° 52′.90E.
		25° 58′.60N., 52° 00′.00E.
		25° 42′.50N., 52° 38′.90E.
		25° 30′.20N., 52° 04′.20E.
		25° 28′.60N., 52° 04′.20E.
		25° 22′.20N., 52° 22′.00E.

215/(24/13) UNITED ARAB EMIRATES – Qatar to Shatt- Al - Arab – AIS. Legend.

Source: BA Notice 5262/13.

Chart 289 [previous update 214/13]

Insert	Automatic Identification System, <i>AIS</i> , at light-buoy	24° 56′.70N., 52° 59′.90E.
		24° 59′.30N., 53° 08′.40E.
		25° 01′.70N., 53° 10′.70E.
		25° 02′.30N., 53° 19′.40E.
		25° 20′.60N., 53° 08′.70E.
	legend, <i>AIS</i> , at light-buoy	25° 06′.60N., 53° 25′.10E.



SECTION – III
TEMPORARY AND PRELIMINARY NOTICES

***216(P)/(24/13) INDIAN OCEAN – MAURITIUS – Approaches to Port Louis –Works. Buoys.**

Source: Mauritius ports authority.

1. Two Bund walls are under Construction in following positions:-

(i) Fort George boundary Coordinates.

Bund Coordinates	Position
A	20° 08'·76S., 57° 29'·13E.
B	20° 08'·68S., 57° 29'·02E.
C	20° 08'·59S., 57° 29'·10E.
D	20° 08'·63S., 57° 29'·19E.

(ii) Fort William boundary coordinates

Bund Coordinates	Position
A	20° 09'·38S., 57° 28'·91E.
B	20° 09'·21S., 57° 28'·62E.
C	20° 08'·92S., 57° 28'·87E.
D	20° 09'·22S., 57° 29'·24E.

*2. Light mounted buoys have been laid in the following positions to mark the Bund Walls.:

(i) Fort George buoys Coordinates.

<u>Buoys No.</u>	<u>Position</u>	<u>Remarks</u>
1	20° 08'·79S., 57° 29'·12E.	<i>Fl.Y</i>
2	20° 08'·78S., 57° 29'·11E.	Marker buoy
3	20° 08'·77S., 57° 29'·10E.	Marker buoy
4	20° 08'·74S., 57° 29'·08E.	Marker buoy
5	20° 08'·65S., 57° 28'·99E.	<i>Fl.Y</i>
6	20° 08'·58S., 57° 29'·02E.	Marker buoy
7	20° 08'·56S., 57° 29'·07E.	<i>Fl.Y</i>
8	20° 08'·57S., 57° 29'·13E.	Marker buoy
9	20° 08'·58S., 57° 29'·20E.	<i>Fl.Y</i>

(ii) Fort William buoys Coordinates.

<u>Buoys No.</u>	<u>Position</u>	<u>Light Characteristics</u>
1	20° 09'·40S., 57° 28'·89E.	Marker buoy
2	20° 09'·37S., 57° 28'·83E.	<i>Fl.Y</i>
3	20° 09'·35S., 57° 28'·80E.	Marker buoy
4	20° 09'·33S., 57° 28'·79E.	Marker buoy
5	20° 09'·21S., 57° 28'·59E.	Marker buoy
6	20° 09'·17S., 57° 28'·55E.	<i>Fl.Y</i>
7	20° 09'·14S., 57° 28'·57E.	Marker buoy
8	20° 09'·12S., 57° 28'·58E.	Marker buoy
9	20° 09'·08S., 57° 28'·63E.	Marker buoy
10	20° 09'·02S., 57° 28'·68E.	Marker buoy

***216(P)/(24/13) INDIAN OCEAN – MAURITIUS – Approaches to Port Louis –Works. Buoys. Continued.**

Buoys No.	Position	Light Characteristics
11	20° 08'·93S., 57° 28'·76E.	Marker buoy
12	20° 08'·90S., 57° 28'·79E.	<i>FL.Y</i>
13	20° 08'·87S., 57° 28'·93E.	Marker buoy
14	20° 08'·97S., 57° 29'·01E.	Marker buoy
15	20° 09'·00S., 57° 29'·02E.	Marker buoy
16	20° 09'·03S., 57° 29'·04E.	Marker buoy
17	20° 09'·07S., 57° 29'·08E.	Marker buoy
18	20° 09'·11S., 57° 29'·14E.	Marker buoy
19	20° 09'·14S., 57° 29'·17E.	<i>FL.Y</i>

3. Mariners to take note and contact local port authorities for more information.

4. * Indicates revised entry.

Chart Affected – 2086.



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, 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 (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.

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>JEPPESSEN 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</p>	<p>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</p>	<p>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</p>
<p>Mari-Sys Pte Ltd. 20 Ayer Rajah Crescent, 08-21, SE 139964, Republic of Singapore Ph: +65 6776 1898 Email: info@mari-sys.com</p>	<p>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</p>	<p>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</p>
<p>C-Map Holland Paleiskade100 PO Box 7 1781 AR Den Helder, Holland Ph: +31 223 616 700 E Mail: CorMallie cor@chartworx.nl</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: 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, 1 st Floor, Mumbai - 400 023 Tel: 91-22- 22660525, 22661937, 22672143 Fax: 91-22-22670896 Email: cmarine@bom5.vsnl.net.in	M/s Maritime Charts & Publicatons 2/524 Sundeep Road, Chinna Neelengarai, 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 5610 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	

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 Dec 13:

2013 SERIES – 008 012 035 160 197 203 228 303 320 335 343 370 374 428 430 451 473 493 506
510 540 547 577 610 623 626 640 658 659 662 665 669 672 680 686 691 692 693 694 695 696
697 698 699 700 701 702 703 704 705

3. NAVAREA VIII Warnings issued during the period from 01 Dec to 15 Dec 13 (both dates inclusive) are as tabulated below: –

674.	Cancel NAVAREA VIII 647/13. India West Coast- Gulf of Kachchh. Charts 21 203 2068 INT 705. Following reported on deep water channel buoy.		
	(a)	Paga buoy (22-35.42N 069-14.45E) temporarily removed	
	(b)	Mithapur buoy (22-24.71N 068-51.84E) reported sunk	
	(c)	Narara buoy temporarily removed	
2.	Caution advised.		
675.	India West Coast- Gulf of Kachchh. Charts 21 203 2068 INT 705. Salaya chanel marking buoy Kachchh re-established at 22-38.00N 069-12.80E		
2.	Cancel this MSG 031002 UTC Dec 13.		
676.	Cancel NAVAREA VIII 663/13. India West Coast – Arabian Sea. Charts 22 214 215 216 257 INT 71 INT 706. Firing by IAF between 0330 UTC to 1130 UTC on 05 Dec and 07 Dec 13 in area bounded by		
	(a)	15-09N 073-11E	(B) 15-15N 073-29E
	(c)	14-20N 073-53E	(D) 14-12N 073-38E
2.	Safe flying height 7000 metres		
3.	Cancel this MSG 071230 UTC Dec 13.		
677.	India West Coast- Arabian Sea. Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706. Rig list. correct at 021004 UTC Dec 13		
	ABAN III	19-00.63N	072-11.95E
	ABAN IV	19-06.83N	070-56.43E
	BADRINATH	18-36.87N	071-03.53E
	CE THROTON	19-32.35N	071-20.92E
	DEEP SEA FORTUNE	19-31.74N	071-22.34E
	DEEP SEA FOSSIL	19-36.62N	071-22.90E
	DISCOVERY-1	18-38.20N	071-00.93E
	DYNAMIC VISION	18-39.23N	070-58.87E
	ENERGY DRILLER	18-11.38N	071-48.12E
	ENSCO 54	19-16.46N	071-59.83E
	FG MC CLINTOK	19-15.26N	071-21.90E
	GREAT DRILLER CHAAYA	19-14.46N	071-58.88E
	GREATDRILL CHETNA	18-52.63N	072-51.51E
	GREATDRILL CHITRA	18-58.00N	071-37.73E
	JT ANGEL	18-47.21N	072-19.53E
	KEDARNATH	21-03.42N	072-24.68E
	NOBLE CHARLIE YESTER	18-42.58N	072-20.49E
	NOBLE ED HOLT	19-12.54N	072-02.23E
	NOBLE KENNETH DELANEY	18-33.76N	072-17.63E
	RON TAPMEYER	18-30.06N	072-15.97E
	SAGAR GAURAV	20-19.56N	071-18.67E
	SAGAR JYOTI	22-40.95N	068-30.27E
	SAGAR KIRAN	19-21.67N	071-11.78E
	SAGAR LAXMI	20-58.00N	071-33.00E
	SAGAR PRAGATI	20-55.76N	071-31.60E
	SAGAR UDAY	20-21.88N	071-05.87E
	SUNDOWNER V	19-19.08N	071-23.87E
	SUNDOWNER VI	19-34.72N	071-20.65E
	SUNDOWNER VII	18-36.36N	072-15.80E
	TRIDENT II	19-10.61N	070-57.70E
	TRIDENT XII	18-54.77N	071-49.57E
	VIRTUE 1	18-47.47N	071-59.98E
	Wide berth requested		
2.	Cancel NAVAREA VIII 638/13.		

678.	India East Coast- Bay of Bengal. Charts 31 32 33 354 355 357 391 INT 706. Rig list. Correct at 021005 UTC Dec 13				
	ABAN II	16-39.14N		082-22.05E	
	ACTINIA	16-33.72N		082-28.35E	
	DEEP SEA MATDRILL	16-24.55N		082-02.92E	
	DSR DHIRUBHAI DEEPWATER KG-1	13-38.00N		080-29.00E	
	DSR DHIRUBHAI DEEPWATER KG-2	16-41.70N		082-41.50E	
	DSR PLATINUM EXPLORER	19-38.90N		087-23.90E	
	GSF-140	16-27.12N		082-28.43E	
	HERCULES TRIUMPH	17-01.50N		082-20.10E	
	MG HULME JR	16-35.05N		082-25.35E	
	NOBLE DUCHESS	16-07.06N		081-41.85E	
	SAGAR RATNA	16-12.99N		081-43.41E	
	D S SAGAR VIJAY	16-19.08N		082-16.00E	
	DSR GSF EXPLORER	16-25.32N		082-23.85E	
	WIDE BERTH REQUESTED				
2.	Cancel NAVAREA VIII 666/13				
679.	India East Coast-Bay of Bengal. Charts 32 33 313 356 INT 71 INT 706. Firing practice by Coast guard Ships from 0530 UTC to 1330 UTC on 05 Dec 13 in area bounded by				
	(a)	13-18N	080-50E	(b)	13-18N 081-08E
	(c)	13-33N	081-08E	(d)	13-33N 080-50E
2.	Safe flying height 12000 metres				
3.	Cancel this MSG 051430 UTC Dec 13.				
680.	Cancel NAVAREA VIII 674/13. India West Coast- Gulf of Kachchh. Charts 21 203 2068 INT 705. Following reported on deep water channel buoy				
	(a)	Paga Buoy (22-35.42N 069-14.45E) temporarily removed			
	(b)	Mithapur Buoy (22-24.71N 068-51.84E) reported sunk			
2.	Caution advised.				
681.	India West Coast- Gulf of Kachchh. Charts 21 203 2068 INT 705. Salaya Chanel marking buoy Narara re-established at 22-35.91N 069-36.12E				
2.	Cancel this MSG 041002 UTC Dec 13.				
682.	Indian Ocean – Off Reunion Island. Charts INT 70 INT 71 INT 72 INT 702 INT 735. Naval gunnery exercise from 020200 UTC to 061600 UTC Dec 13 in area bounded by				
	(a)	21-12.0S	054-57.0E	(B)	21-26.0S 055-02.5E
	(c)	21-31.2S	054-47.4E	(D)	21-17.2S 054-42.0E
2.	Cancel this MSG 061700 UTC Dec 13.				
683.	Cancel NAVAREA VIII 670/13 and this MSG.				
684.	India West Coast - Mormugao. Chart 22 214 215 257 2022 2078 INT 706. Firing by Naval coast battery 15-24.6N 073-47.1E between 0430 UTC to 0730 UTC on 11 Dec 13				
2.	Danger area sector of 20 NM radius from 220 degree to 260 degree from firing position				
3.	Safe flying height 6500 metres				
4.	Cancel this MSG 110830 UTC Dec 13.				
685.	India West Coast- Off Mumbai. Charts 21 22 255 292 293 INT 71 INT 706. National pollution response exercise by coast guard ships and aircraft between 0130 UTC to 0930 UTC from 06 Dec to 10 DEC 13 in area bounded by				
	(a)	18-30.00N	072-47.00E	(b)	18-30.00N 072-38.00E
	(c)	18-40.50N	072-38.00E	(d)	18-40.00N 072-47.00E
2.	Safe flying height 1600 metres				
3.	Cancel this MSG 101030 UTC Dec 13.				
686.	India West Coast – Off Mumbai. Charts 21 22 211 255292 293 INT 71 INT 706. Submerged fishing stakes reported in vicinity 18-41.03N 072-39.19E				
2.	Caution advised.				
687.	NAVAREA VIII-Messages in force as on 061002 UTC Dec 13				
	2013 SERIES - 008 012 035 160 197 203 228 303 320 335 343 370 374 428 430 451 473				
	493 506 510 540 547 577 610 623 626 640 654 658 659 662 665 669 672 676 677 678 680 682				
	684 685 686				
(a)	NAVAREA VIII warnings less than 42 days old (577/13 onward) are promulgated via SafetyNET				
(b)	Text of NAVAREA VIII warnings inforce 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 131002 UTC Dec 13.				

688. Bay of Bengal – Off Mamallapuram. Charts 32 33 357 INT 71 INT 705. Fishing boat JMSR 4 (Regd No. IND TN 02 MFB 648, Colour-white, Cabin-blue) reported missing in vicinity 12-28N 080-35E with nine crew since 03 Dec 13 2. Vessels transiting through the area to keep sharp look out and render assistance
689. Cancel NAVAREA VIII 654/13, 688/13 and this MSG.
690. Indian Ocean – Reunion Island. Charts INT 70 INT 71 INT 72 INT 702 INT 735. Natural pollution especially made of tree trunks Reported in position 21-01.8S 055-12.7E. Diameter of pollution 300 metres. 2. Caution advised 3. Cancel this MSG 121002 UTC Dec 13.
691. Bay of Bengal – Off Kakinada. Charts 31 32 355 INT 71 INT 706. Firing practice by Naval Ships between 0230 UTC and 0730 UTC From 11 Dec to 12 Dec and 16 Dec to 17 Dec 13 in area bounded by (a) 16-30.0N 083-30.0E (b) 16-00.0N 084-15.0E (c) 15-20.0N 084-05.5E (d) 15-45.0N 083-30.0E 2. Safe flying height 8000 metres 3. Cancel this MSG 170830 UTC Dec 13.
692. India East Coast- Bay of Bengal. Charts 31 351 352 354 355 3017 INT 71 INT 73 INT 706. Experimental flight trial scheduled from ITR launch complex between 0330 UTC to 0730 UTC from 18 Dec to 19 Dec 13. Danger zone bounded by (a) 20-48.33N 087-02.58E (b) 18-12.33N 086-07.11E (c) 07-16.26S 087-03.10E (d) 07-10.46S 089-26.36E (e) 06-52.76S 091-48.58E (f) 18-24.13N 088-30.45E (g) 20-48.73N 087-07.41E 2. Cancel this MSG 190830 UTC Dec 13.
693. India West Coast - Trivandrum. Charts 22 32 222 260 INT 706. RH 200 Rocket launch from Thumba equatorial rocket launching station 08-31.98N 076-52.05E between 0530 UTC to 0730 UTC on 18 Dec 13 2. Danger Zones (a) Sector of radius 05 NM from launcher between azimuth angles 190 degree AND 300 degree (b) Sector of radii 45 NM and 75 NM from the launcher between azimuth angles 220 degree and 260 degree 3. Cancel this MSG 180830 UTC Dec 13.
694. Bay of Bengal – Northern Portion. Charts 31 322 371 INT 71 INT 706. Survey Vessel MV Fugro Equinox will carry out Geophysical well site survey from 15 Dec 13 TO 31 Jan 14 in following areas Area-A (A1) 19-12.43N 092-32.60E (A2) 19-12.45N 092-38.30E (A3) 19-07.01N 092-32.60E (A4) 19-07.01N 092-38.31E Area-B (A1) 19-32.28N 092-06.66E (A2) 19-32.31N 092-12.38E (A3) 19-26.86N 092-06.70E (A4) 19-26.90N 092-12.41E Area-C (A1) 19-33.70N 091-51.80E (A2) 19-33.73N 091-57.51E (A3) 19-28.28N 091-51.83E (A4) 19-28.31N 091-57.55E 2. Wide berth of 03 NM around the area requested 3. Cancel this MSG 010001 UTC Feb 14.
695. India West Coast – Off Mumbai. Charts 21 22 211 255 292 2016 INT 71 INT 705. Brown coloured upturned barge (length-approx 40 metres) reported adrift in northerly direction with speed 01 Knot in vicinity 18-47.98N 072-48.15E 2. Caution advised 3. Cancel this MSG 141002 UTC Dec 13.
696. India West Coast – Off Porbandar. Charts 21 204 252 271 291 292 INT 705. Survey Vessel Vyacheslav Tikhonov will carry out 3D Seismic Survey from 13 Dec to 31 Dec 13 in area bounded by (a) 21 -42.98N 068-33.88E (b) 21-50.11N 069-00.26E (c) 21-40.08N 069-01.75E (d) 21-33.20N 068-36.55E 2. The vessel will be towing six streamers of length 4.7 NM. end marked with white flashing lights 3. Wide berth of 6.5 NM around the vessel requested. 4. Cancel this MSG 010001 UTC Jan 14.
697. India West Coast- Arabian Sea. Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706. Rig list. Correct at 111003 UTC Dec 13 ABAN III 19-00.63N 072-11.95E ABAN IV 19-06.83N 070-56.43E BADRINATH 18-36.87N 071-03.53E CE THRONTON 19-32.35N 071-20.92E DEEP SEA FORTUNE 19-31.74N 071-22.34E DEEP SEA FOSSIL 19-36.62N 071-22.90E DISCOVERY-1 18-38.20N 071-00.93E DYNAMIC VISION 18-39.23N 070-58.87E

697.	India West Coast- Arabian Sea.Continued.		
	ENERGY DRILLER	18-11.38N	071-48.12E
	ENSCO 54	19-16.46N	071-59.83E
	FG MC CLINTOK	19-15.26N	071-21.90E
	GREAT DRILLER CHAAYA	19-14.45N	070-58.88E
	GREATDRILL CHITRA	18-58.43N	071-37.44E
	KEDARNATH	21-03.42N	072-24.68E
	NOBLE ED HOLT	19-12.51N	072-02.24E
	NOBLE KENNETH DELANEY	18-33.76N	072-17.63E
	RON TAPPMAYER	18-30.06N	072-15.97E
	SAGAR GAURAV	20-19.56N	071-18.67E
	SAGAR JYOTI	22-40.95N	068-30.27E
	SAGAR KIRAN	19-21.67N	071-11.78E
	SAGAR LAXMI	20-58.00N	071-33.00E
	SAGAR PRAGATI	20-55.76N	071-31.60E
	SAGAR UDAY	20-21.88N	071-05.87E
	SUNDOWNER V	19-19.08N	071-23.87E
	SUNDOWNER VI	19-34.72N	071-20.65E
	SUNDOWNER VII	18-36.36N	072-15.80E
	TRIDENT II	19-10.61N	070-57.70E
	VIRTUE 1	18-47.47N	071-59.98E
	Wide berth requested		
2.	Cancel NAVAREA VIII 677/13.		
698.	India East Coast- Bay of Bengal. Charts 31 32 33 354 355 357 391 INT 706. Rig list. Correct at 111004 UTC Dec 13		
	ABAN II	16-39.14N	082-22.05E
	ACTINIA	16-33.72N	082-28.35E
	DEEP SEA MATDRILL	16-24.55N	082-02.92E
	DSR DHIRUBHAI DEEPWATER KG-1	16-31.90N	082-33.60E
	DSR DHIRUBHAI DEEPWATER KG-2	16-41.70N	082-41.50E
	DSR PLATINUM EXPLORER	19-38.90N	087-23.90E
	GSF-140	16-27.12N	082-28.43E
	HERCULES TRIUMPH	16-28.46N	082-12.60E
	MG HULME JR	16-35.05N	082-25.35E
	NOBLE DUCHESS	16-07.06N	081-41.85E
	SAGAR RATNA	16-12.99N	081-43.41E
	D S SAGAR VIJAY	16-19.08N	082-16.00E
	DSR GSF EXPLORER	16-25.32N	082-23.85E
	SAGAR BHUSHAN	16-33.29N	082-23.76E
	Wide berth requested		
2.	Cancel NAVAREA VIII 678/13.		
699.	Bay of Bengal - Off Great Nicobar Island. Charts 33 41 471 INT 71 INT 706. Partially submerged hull white / gray with one light blue stripe on top reported adrift in vicinity 06-07.8N 092-58.9E at 110437 UTC Dec 13		
2.	Caution advised		
3.	Cancel this MSG 141031 UTC Dec 13.		
700.	Indian Ocean – Off Reunion Island. Charts INT 70 INT 71 INT 72 INT 702 INT 735. Naval Gunnery exercise from 0130 UTC to 0800 UTC on 14 Dec 13 in area bounded by		
	(a) 21-12.0S 054-57.0E	(b) 21-26.0S	055-02.5E
	(c) 21-31.2S 054-47.4E	(d) 21-17.2S	054-42.0E
2.	Cancel this MSG 140900 UTC Dec 13.		
701.	India West Coast – Okha. Charts 21 202 203 251 271 291 2013 2068 INT 705. Firing by Naval Coast Battery between 0530 UTC to 0730 UTC on 19 Dec 13		
2.	Danger area from 300 degree to 020 degree up to 12 NM seaward from position 22-28.03N 069-04.98E		
3.	Safe flying height 13000 metres		
4.	Cancel this MSG 190830 UTC Dec 13.		
702.	Bay of Bengal – Off Vishakhapatnam. Charts 31 32 354 3002 INT 706. Seaward firing practice between 0030 UTC to 0730 UTC from 19 Dec to 21 Dec 13		
2.	Danger area from 070 degree to 130 degree up to 15 NM radius from Position 17-42N 083-18E		
3.	Cancel this MSG 210830 UTC Dec 13.		
703.	India East Coast - Bay of Bengal. Charts 31 391 INT 71 INT 706. One wooden boat reported adrift in VICINITY 13-48.6N 082-07.15E with three crew since 080450 UTC Dec 13		
2.	Vessels transiting through the area to keep sharp look out and render assistance.		

704. India West Coast - Inner Approaches to Mumbai (.) Charts 21 22 211 255 292 293 2016 2076 INT 706 (.)

Hydrographic Survey by survey motor boats from 14 Dec to 25 Dec 13 in area bounded by

(a)	18-51.72N	072-41.42 E	(b)	18-51.76 N	072-45.92 E
(c)	18-51.76N	072-47. 47E	(d)	18-51.72 N	072-48.84 E
(e)	18-52.24N	072-50.13 E	(f)	18-53.06 N	072-50.64 E
(g)	18-53.38N	072-50.80E	(h)	18-54.70 N	072-51.64 E
(j)	18-55.05N	072-51.78 E	(k)	18-55.43 N	072-51.21 E
(l)	18-55.24N	072-50.81E	(m)	18-55.22 N	072-50.38 E
(n)	18-55.50N	072-50.70 E	(p)	18-56.17 N	072-50.64 E
(q)	18-55.72N	072-51.28E	(r)	18-55.32 N	072-51.95 E
(s)	18-55.12N	072-52.52 E	(t)	18-54.52 N	072-52.58 E
(u)	18-53.28N	072-51.84E	(v)	18-52.99 N	072-51.88 E
(w)	18-52.74N	072-51.38 E	(x)	18-52.36 N	072-50.85 E
(y)	18-51.91N	072-50.39E	(z)	18-50.54 N	072-47.61 E
(aa)	18-50.09N	072-46.24 E	(AB)	18-50.07 N	072-41.92 E

2. Wide berth requested

3. Cancel this message 260001 UTC Dec 13.

705. NAVAREA VIII-Messages in force as on 131002 UTC Dec 13

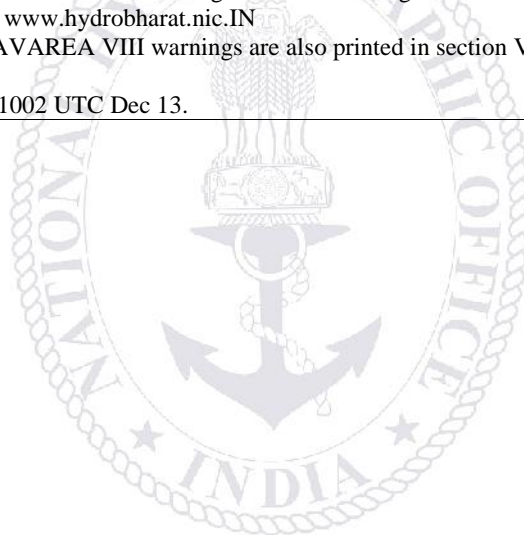
2013 SERIES - 008 012 035 160 197 203 228 303 320 335 343 370 374 428 430 451 473
 493 506 510 540 547 577 610 623 626 640 658 659 662 665 669 672 680 686 691 692
 693 694 695 696 697 698 699 700 701 702 703 704

(a) NAVAREA VIII Warnings less than 42 days old (610/13 onward) are promulgated via SafetyNET

(b) Text of NAVAREA VIII warnings inforce 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 201002 UTC Dec 13.



SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

(Note: For hard copy in colour, kindly download from www.hydrobharat.nic.in Indian Notices to Mariners section)

West Coast of India Pilot (INP-1)

Chapter – 8 (Page 245)

(Source: Hazira port pvt. Ltd.)

Article 8.54, Para 4

Delete and replace by,

4 **Pilotage.** Pilotage is compulsory and Hazira (Surat)
Port pilot will board for LNG and Non LNG Carriers in position
20°54'N, 72° 35'E and 21°02'N, 72°34'E respectively.

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2005

(Last correction: Edition No. 07 dated 01 Apr 2013)

NIL

INP 31(2), 2007

(Last correction: Edition No. 20 dated 16 Oct 2013)

NIL

INP 31(5), 2011

(Last correction: Edition No. 22 dated 16 Nov 2013)

NIL

INP 31(6), 2012

(Last correction: Edition No. 22 dated 16 Nov 2013)

PAGE 42, INDIA, HAZIRA, Pilots and Port, PROCEDURE,

Section (1):

Inset sub-section (c) after (b):

(c) 21°02'.0N 72°34'.0E (Non LNG Vessels)

(Source: Hazira Port Pvt. Ltd.)

(24/13)

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.

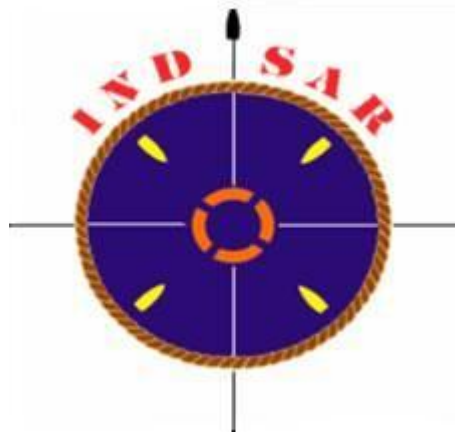


HYDROGRAPHIC NOTE		IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues			
Date		Ref. Number	
Name of the Ship or Sender			
Address			
Tel/FAX/E-mail address			
Observation Date		Time (UTC/IST)	
Object of Changes Observed (Tick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

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

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

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



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: indsar@vsnl.net

NATION WIDE SAR TELE: 1554 (LAND LINE)

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

AFTN: VABBYXYC