



# INDIAN NOTICES TO MARINERS



EDITION NO. 22 DATED 16 NOV 2010

(CONTAINS NOTICES 268 TO 276)

**REACH US 24 x 7**



inho-navy@nic.in  
msis-inho-navy@nic.in



+91-135-2748373



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



Joint Director of Hydrography  
Maritime Safety Information Services  
+91- 135 - 2747360-65



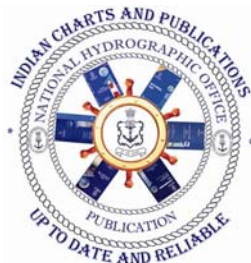
[www.hydrobharat.nic.in](http://www.hydrobharat.nic.in)

## 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	Radio Navigational 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 1<sup>ST</sup> & 16<sup>TH</sup> OF EVERY MONTH)

**FEEDBACK: [msis-inho-navy@nic.in](mailto:msis-inho-navy@nic.in)**



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



© Govt. of India Copyright

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

## II

### **MARINER'S OBLIGATION AND A CHART MAKER'S PLEA**

Observing changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Government of India at the above mentioned address/fax number/ E mail address immediately on discovering new or suspected dangers to navigation, changes/defects pertaining to navigational aids, and short comings 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 INT 1 (5020).
- (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 edition Indian Chart that is available for mariners in the market is as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
<b>2079</b>	31-08-2010	<b>APPROACHES TO MUNDRA PORT</b> <i>Limits</i> 22° 34' .60N; 69° 29' .20E. 22° 47' .40N; 69° 50' .70E.	37,500	2	Rs. 1527.00

2. The Indian Chart permanently withdrawn is as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart / Edition</i>	<i>Date of Publication</i>
<b>2079</b>	30-04-2007	<b>APPROACHES TO MUNDRA PORT</b>	<b>2079</b>	31-08-2010

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
<b>IN44008A</b>	<b>4008</b>	<b>STEWART SOUND</b>	<b>15-09-2010</b>

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
<b>IN44008S</b>	<b>4008</b>	<b>STEWART SOUND</b>	<b>31-08-2001</b>

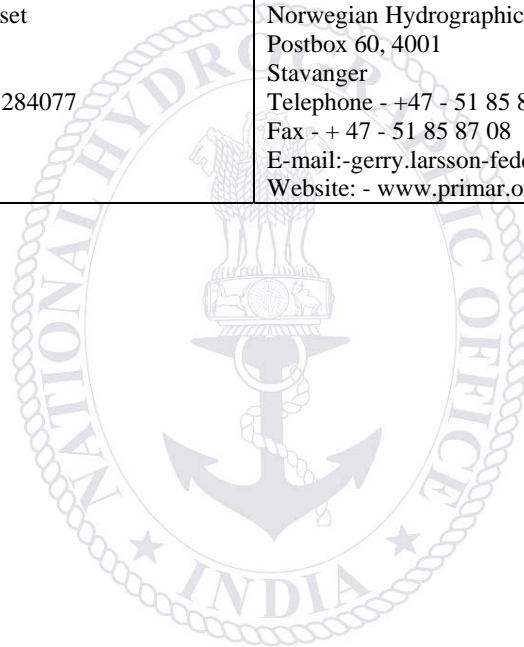
5. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
<b>313</b>	<b>MAMALLAPURAM (MAHABALIPURAM) TO POINT PUDI</b>	1,50,000	New Edition
<b>2016 (INT 7336)</b>	<b>INNER APPROACHES TO MUMBAI</b>	60,000	New Edition
<b>2103</b>	<b>DIGHI PORT</b>	12,500	New Chart
<b>3007</b>	<b>NAGAPATTINAM ANCHORAGE</b>	30,000	New Edition
<b>2020</b>	<b>MORMUGAO AND PANAJI</b>	25,000	New Edition
<b>2073</b>	<b>APPROACHES TO KUNDAPURA</b>	37,500	New Edition
<b>301</b>	<b>APPROACHES TO HUGLI RIVER</b>	1,50,000	New Edition
<b>41 (INT 757)</b>	<b>ANDAMAN SEA</b>	15,00,000	New Chart
<b>4007</b>	<b>SOUTH BAY AND APPROACHES</b>	27,500	New Edition
<b>4016</b>	<b>APPROACHES TO PORT BLAIR</b>	75,000	New Chart

**Availability of ENC's.**

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's through the 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:

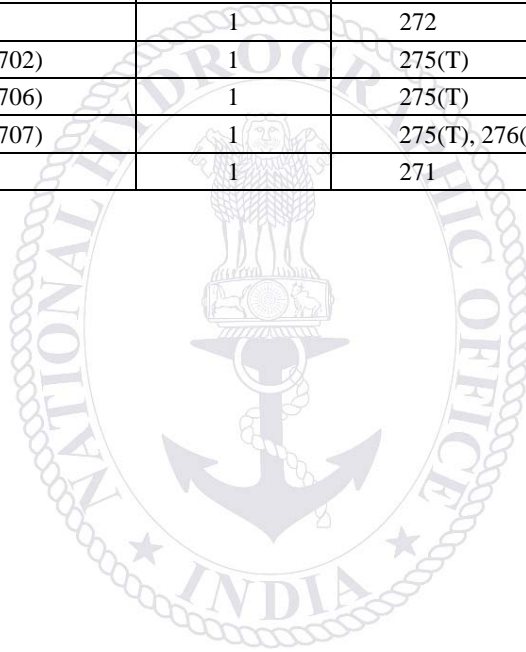
<p>The Chief Hydrographer to the Government of India National Hydrographic Office 107-A, Rajpur Road Dehradun- 248001 Uttarakhand, India Tele: +91-135- 2747365, Fax: +91-135-2748373 Email: inho-navy@nic.in msis-inho-navy@nic.in sales-inho-navy@nic.in Website: www.hydrobharat.nic.in</p>	<p>Director, JEPPESEN MARINE Jeppesen India Pvt. Ltd. 505, Raheja Arcade, Sector-11, CBD Belapur, Navi Mumbai 400614 India Ph: 91-22- 65103668 Fax: 91- 22- 67939504 Email: info@c-map.co.in Website: www.c-map.co.in</p>
<p>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</p>	<p>Director General Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail:-gerry.larsson-fedde@statkart.no Website: - www.primar.org</p>



**SECTION – I**

The list of charts affected by the Notices 268 to 276 contained in this edition are as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
20	1	270
23	1	275(T)
31	5	274(T), 275(T)
33	5	274(T), 275(T)
224	4	269
262	4	269, 273
263(INT7383)	4	273
289	1	270, 271
2020	3	268
2075(INT7366)	4	269
2078(INT7346)	3	268
2088	1	272
7702(INT702)	1	275(T)
7706(INT706)	1	275(T)
7707(INT707)	1	275(T), 276(T)
8004	1	271



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

**\*268/(22/10) INDIA – WEST COAST – Port of Mormugao – Buoys.**

Source: Mormugao Port Trust

(HJ/1030/56)

**Chart 2020** [previous update 192/10]

Insert	 Fl(2)G.5s No 9	15° 25'.10N., 73° 47'.67E.
Delete	 Fl(2)G.5s No 9	15° 25'.04N., 73° 47'.88E.

**Chart 2078 (INT7346)** [previous update 192/10]

Insert	 Fl(2)G.5s No 9	15° 25'.10N., 73° 47'.67E.
Delete	 Fl(2)G.5s No 9	15° 25'.04N., 73° 47'.88E.

**\*269/(22/10) INDIA – WEST COAST – Approaches to Tuticorin – Tuticorin Harbour – Wreck.**

Source: Tuticorin Port Trust.

(HJ/930/82)

**Wreck of Dump Barge**

**Chart 262** [previous update 300/09] WGS84 DATUM

Insert		08° 47'.59N., 78° 13'.80E.
--------	--	----------------------------

**Chart 224** [previous update 261/10]

Insert		08° 47'.59N., 78° 13'.80E.
--------	---	----------------------------

**Chart 2075 (INT7366)** [previous update 112/10]

Insert		08° 47'.588N., 78° 13'.801E.
--------	---	------------------------------

**Chart 2075 (INT7366) Plan** [previous update 112/10]

Insert		08° 47'.588N., 78° 13'.801E.
--------	---	------------------------------

**270/(22/10) UNITED ARAB EMIRATES – Dubai Westwards – Epsilon Oilfield East-north-eastwards – Wreck. Buoyage.**

Source: BA Notice – 5369/10.


(HJ/1132/55)

**Chart 20** [previous update 243/10] COMPATIBLE WITH WGS84 DATUM

Insert		25° 17'.9N., 54° 41'.2E.
--------	---	--------------------------

**Chart 289** [previous update 243/10] COMPATIBLE WITH WGS84 DATUM

Insert		(a) 25° 17'.9N., 54° 41'.2E.
--------	---	------------------------------

 , close N of:

(a) above



**271/(22/10) UNITED ARAB EMIRATES – Sharjah (Ash Shariqah) – Sharjah Offshore Oil Terminal Westwards – Restricted area. Legends. Cautionary note.**

Source: BA Notice – 5371/10.

(HJ/1132/54)

**Chart 289** [previous update 270/10] COMPATIBLE WITH WGS84 DATUM

Insert limit of restricted area ,TTTTTTT, joining: 25° 32′.6N., 55° 13′.3E.  
25° 35′.7N., 55° 09′.4E.  
(a) 25° 37′.1N., 55° 11′.2E.  
(b) 25° 40′.1N., 55° 13′.1E.  
25° 38′.8N., 55° 15′.3E.  
25° 34′.7N., 55° 15′.2E.

legend, *Az Zorah Oilfield Restricted Area* (see Note),  
close W of:

(a)–(b)above

**Chart 8004** [previous update 243/10] WGS84 DATUM

Insert limit of restricted area ,TTTTTTT, joining: (a) 25° 32′.6N., 55° 13′.3E.  
(b) 25° 35′.7N., 55° 09′.4E.  
(c) 25° 37′.1N., 55° 11′.2E.  
(d) 25° 40′.1N., 55° 13′.1E.  
(e) 25° 38′.8N., 55° 15′.3E.  
(f) 25° 34′.7N., 55° 15′.2E.

legend, *Az Zorah Oilfield* (see Note), within:

(a)–(f) above

legend, *Restricted Area* (see Note), close E of:

(e)–(f)above

Substitute the accompanying note, RESTRICTED AREAS, for  
existing note, RESTRICTED AREA, centred on: 25° 57′.2N., 57° 22′.5E.

**272(22/10) OMAN – Seeb – Breakwaters. Lights. Submarine Cable.**

Source: BA Notices – 6020/09, 216/10 and 5276/10.

(HJ/1132/31)

**Chart 2088** [previous update 161/10] WGS84 DATUM

Insert breakwater, single firm line, joining: 23° 41′.13N., 58° 11′.02E.(shore)  
23° 41′.30N., 58° 11′.04E.  
23° 41′.51N., 58° 10′.90E.  
and  
23° 41′.37N., 58° 10′.47E. (shore)  
23° 41′.52N., 58° 10′.70E.  
23° 41′.57N., 58° 11′.01E.

★ LFI.G.6s5M

23° 41′.57N., 58° 11′.02E.

★ LFI.R.6s5M

23° 41′.50N., 58° 10′.91E.

submarine cable, ~~~~~, joining: 23° 40′.88N., 58° 11′.54E.(shore)  
23° 44′.61N., 58° 16′.84E.

*Former INM 446(P)/06 is cancelled.*



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

**\*274(T)/(22/10) INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys.**

Source: NIOT Chennai.

(HJ/1028/29)

1. Following yellow coloured data buoys with 3.5m height mast with radar reflector & mast carrying sensor laid in following positions.

Buoy No.	Position	Diameter of Buoy	Characteristics	Chart Affected
TB 04	09° 18'·98N 89° 27'·30E	2.2m	Fl(4)15s4M	<b>33</b>
TB 05	12° 25'·53N 88° 59'·88E	2.2m	Fl(4)15s4M	<b>33</b>
TB 08	12° 31'·25N 85° 30'·57E	2.2m	Fl(4)15s4M	<b>33</b>
TB 10	06° 52'·93N 87° 00'·20E	2.2m	Fl(4)15s4M	<b>33</b>
*BD01	18° 10'·02N 89° 40'·00E	3m	FL.Y.20s4M	<b>31</b>
*BD02	17° 57'·85N 89° 43'·93E	3m	FL.Y.20s4M	<b>31</b>
*BD03	16° 21'·20N 88° 00'·03E	3m	FL.Y.20s4M	<b>31</b>
BD 06	10° 00'·03N 88° 30'·17E	2.2m	Fl(4)15s4M	<b>33</b>
*BD06_OMNI	09° 55'·58N 88° 24'·87E	3m	FL.Y.3s4M	<b>33</b>
*BD07_OMNI	08° 00'·57N 85° 31'·30E	3m	FL.Y.3s4M	<b>33</b>

\* Indicates new or revised entry

2. All vessels operating in vicinity are to maintain a clearance of 1000 meters off the moored buoys.  
3. **Former INM 209(T) is cancelled.**

**\*275(T)/(22/10) INDIAN OCEAN – – Data buoys.**

Source: BA Notice – 5530(T)/10.

(HJ/1028/80)

1. The National Oceanic and Atmospheric Administration (NOAA) maintains an array of light-buoys called Autonomous Temperature Line Acquisition System (ATLAS) in the Indian Ocean.  
2. The ATLAS light-buoys, orange and white bands, Q, 2 metre toroid buoys with radar reflectors, which make up the array are located in the following positions (WGS84 Datum):

Position	Charts Affected
*15° 00'·4N., 90° 00'·1E.	<b>31, 7706 (INT706)</b>
*11° 56'·4N., 89° 54'·5E.	<b>33, 7706 (INT706)</b>
*8° 01'·2N., 89° 00'·1E.	<b>33, 7706 (INT706)</b>
*3° 58'·0N., 89° 36'·5E.	<b>7706 (INT706)</b>
*1° 34'·9N., 90° 05'·8E.	<b>7707 (INT707)</b>
*0° 02'·9N., 89° 50'·5E.	<b>7707 (INT707)</b>
*3° 10'·9N., 82° 24'·7E.	<b>23, 7706 (INT706), 7707 (INT707)</b>
*0° 04'·9N., 80° 33'·8E.	<b>7707 (INT707)</b>
*1° 31'·1S., 80° 32'·2E.	<b>7707 (INT707)</b>
*4° 00'·7S., 80° 31'·5E.	<b>7707 (INT707)</b>
*8° 00'·7S., 80° 27'·5E.	<b>7707 (INT707)</b>
*11° 59'·8S., 80° 29'·6E.	<b>7707 (INT707)</b>
*8° 06'·4S., 66° 56'·6E.	<b>7702 (INT702)</b>
*8° 02'·2S., 66° 59'·5E.	<b>7702 (INT702)</b>
*12° 11'·3S., 67° 12'·7E.	<b>7702 (INT702)</b>
*7° 55'·7S., 55° 04'·5E.	<b>7702 (INT702)</b>
*12° 02'·3S., 54° 58'·0E.	<b>7702 (INT702)</b>

\* Indicates new or revised entry

3. Mariners are advised to give all light-buoys a 5 nautical mile wide berth.  
4. Former Notice 170(T)/10 is cancelled.

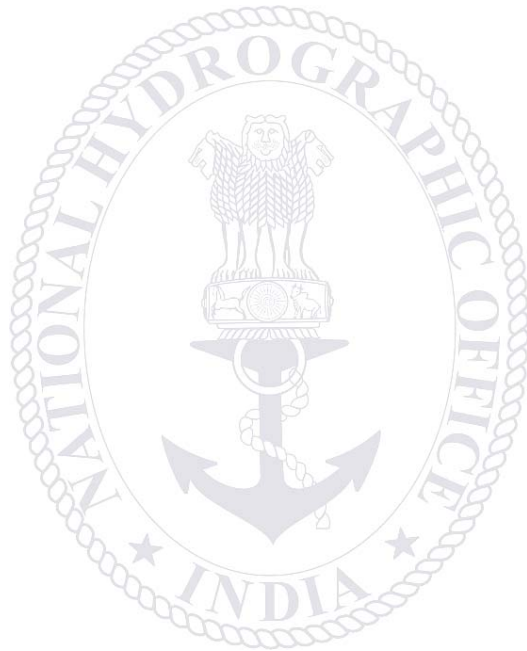
**\*276(T)/(22/10) INDIAN OCEAN – Mid-Indian Ocean Basin – Data buoy.**

Source: BA Notice – 5379(T)/10.

(HJ/729/80)

1. The National Oceanic and Atmospheric Administration (NOAA) is maintaining a climate research buoy in the Equatorial Indian Ocean.
2. The yellow buoy (2m toroid buoy) with radar reflector, is located in position 11° 59′.8S., 80° 29′.6E. (WGS84 Datum).
3. Mariners are advised to give this research buoy a 5 nautical mile wide berth.

**Charts Affected – 7707(INT 707).**



**SECTION – IV**  
**MARINE INFORMATION**

**MUMBAI NAVTEX COAST STATION**

MSI Promulgation by Mumbai NAVTEX Coast Station position 19° 05'.00 N, 072° 50'.00 E is closed for maintenance.

(Source - NAVAREA VIII Warning 305/08)

**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 India Pvt. Ltd.</b> 505, Raheja Arcade, Sector-11, CBD Belapur, Navi Mumbai 400 614 Ph: 91 22 65103668 Fax: 91 22 67939504 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a></p>	<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> Paleiskade100 PO Box 7 1781 AR Den Helder, Holland Ph: +31 223 616 700 E Mail: <a href="mailto:CorMallie@chartworx.nl">CorMallie@chartworx.nl</a></p>	
<p>* Indicates C Map Norway AS has changed name to <b>Jeppesen Marine Norway AS</b>. Indicates C Map India has changed name to <b>Jeppesen India</b>.</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: 9910891631, 9810705062 Email: ravipani@indiatimes.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 <sup>st</sup> Floor, Mumbai - 400 023 Tel: 91-22- 22660525, 22661937, 22672143 Fax: 91-22-22670896 Email: ccmarine@bom5.vsnl.net.in	M/s Maritime Charts and Publications New No. 221, Old No. 107, Unit No. F9, Hotel Chennai Palace, Angappa Naicken Street Chennai – 600001, Telefax : 044-42165008 Email: maritimeindia@airtelmail.in
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 23736956/6907, 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 20 Bhut Ghat Street (Near No. 3 N. S. Dock) Kolkata – 700043 Tel: +91-33-2439 5731/ 2482, Cell: +91-9331936587, 9830056801 Fax: +91-33-2439 2102, Email: liftomarine@yahoo.co.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

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

1. For details of NAVAREA limits and organisation/coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2008.

2. Navarea VIII Warnings Inforce as on 15 Nov 10.

**2010 SERIES** - 252 297 314 315 352 380 389 396 399 440 441 442 449 457 461 466 470  
471 474 485 503 508 516 520 526 528 534 560 571 581 587 594 600 628 629 630 632  
633 636 637 640 642 643 645 648 654 655 657 658 659 660 661 662 663 664 666 667  
668 669 670

3. NAVAREA VIII Warnings issued during the period from 01 Nov 10 to 15 Nov 10 (both dates inclusive) are as tabulated below:-

<p><b>627. Self Cancelling. India West Coast – Western Part. Piracy.</b> Charts INT 70 INT 71 INT 72 INT 701. M/Vs attacked in following positions:</p> <p>(a) 09-57.00S 042-19.00E (b) 12-12.00S 064-53.00E (c) 04-29.00S 039-57.00E</p> <p>2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution.</p>																																	
<p><b>628. India West Coast – Gulf of Kachchh.</b> Charts 21 203 2068 2079 INT 705. Marking buoy Tilburn 22-37.25N 69-31.90E unlit.</p> <p>2. Mariners to exercise caution.</p>																																	
<p><b>629. India West Coast – Gulf of Kachchh.</b> Charts 21 203 2068 2079 INT 705. Sonar buoy missing from position 22-41.64N 69-34.98E.</p> <p>2. Mariners to exercise caution.</p>																																	
<p><b>630. India East Coast – Bay of Bengal.</b> Charts 33 INT 71 INT 706. One fishing vessel (length 14 metres approx) drifting in position 05-51.50N 084-54.00E. Wheelhouse of the vessel is white and hull is blue with yellow stripe and aft part submerged.</p> <p>2. Mariners to exercise caution.</p>																																	
<p><b>631. India East Coast- Visakhapatnam.</b> Charts 31 32 308 354 3002 INT 706. Seaward firing practice by naval coast battery from 1500 UTC to 1700 UTC on 03 Nov 2010. Danger area bounded by:</p> <p>(a) 17-42.0N 083-18.0E (b) 17-47.0N 083-32.0E (c) 17-34.0N 083-30.0E (d) 17-28.0N 083-18.0E</p> <p>2. Safe flying height 13000 metres.</p> <p>3. Cancel this message on 04 Nov 2010.</p>																																	
<p><b>632. Cancel NAVAREA VIII messages 536 547 559 565 582 593 595 601 and 619 of 2010. India West Coast – Arabian Sea.</b> Charts 21 22 202 207 209 211 251 254 253 255 271 291 292 293 INT 705 INT 706. Present position of oil rigs / drill ships as follows:</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 60%;">ABAN ICE</td> <td style="width: 20%;">18-45.06N</td> <td style="width: 20%;">071-16.38E</td> </tr> <tr> <td>ABAN III</td> <td>19-33.33N</td> <td>071-18.41E</td> </tr> <tr> <td>ABAN IV</td> <td>19-36.61N</td> <td>071-22.90E</td> </tr> <tr> <td>ABAN V</td> <td>19-35.35N</td> <td>071-23.25E</td> </tr> <tr> <td>CE THROTON</td> <td>20-14.96N</td> <td>071-58.31E</td> </tr> <tr> <td>DISCOVERY 1</td> <td>19-11.98N</td> <td>072-11.00E</td> </tr> <tr> <td>FG MCCLINTOCK</td> <td>19-47.88N</td> <td>072-07.53E</td> </tr> <tr> <td>GREATDRILL CHETNA</td> <td>20-32.30N</td> <td>072-08.88E</td> </tr> <tr> <td>GREATDRILL CHITRA</td> <td>22-55.25N</td> <td>067-49.50E</td> </tr> <tr> <td>JT ANGEL</td> <td>18-47.20N</td> <td>072-19.51E</td> </tr> <tr> <td>KEDARNATH</td> <td>20-48.20N</td> <td>072-38.69E</td> </tr> </tbody> </table>	ABAN ICE	18-45.06N	071-16.38E	ABAN III	19-33.33N	071-18.41E	ABAN IV	19-36.61N	071-22.90E	ABAN V	19-35.35N	071-23.25E	CE THROTON	20-14.96N	071-58.31E	DISCOVERY 1	19-11.98N	072-11.00E	FG MCCLINTOCK	19-47.88N	072-07.53E	GREATDRILL CHETNA	20-32.30N	072-08.88E	GREATDRILL CHITRA	22-55.25N	067-49.50E	JT ANGEL	18-47.20N	072-19.51E	KEDARNATH	20-48.20N	072-38.69E
ABAN ICE	18-45.06N	071-16.38E																															
ABAN III	19-33.33N	071-18.41E																															
ABAN IV	19-36.61N	071-22.90E																															
ABAN V	19-35.35N	071-23.25E																															
CE THROTON	20-14.96N	071-58.31E																															
DISCOVERY 1	19-11.98N	072-11.00E																															
FG MCCLINTOCK	19-47.88N	072-07.53E																															
GREATDRILL CHETNA	20-32.30N	072-08.88E																															
GREATDRILL CHITRA	22-55.25N	067-49.50E																															
JT ANGEL	18-47.20N	072-19.51E																															
KEDARNATH	20-48.20N	072-38.69E																															

<b>632. Continued..</b>			
NOBLE GEORGE MCLEOD	20-43.00N	072-19.06E	
NOBLE CHARLIE YESTER	18-38.78N	072-14.93E	
NOBLE ED HOLT	18-43.05N	072-19.13E	
RON TAPMEYER	18-29.85N	072-15.00E	
SAGAR JYOTI	22-37.27N	068-27.15E	
SAGAR KIRAN	19-25.00N	072-13.83E	
SAGAR LAXMI	18-36.15N	071-01.63E	
SAGAR PRAGATI	19-37.35N	071-21.66E	
SAGAR SAMRAT	19-32.13N	071-18.81E	
SAGAR SHAKTI	19-17.48N	072-03.80E	
SAGAR UDAY	19-33.13N	071-16.35E	
TRIDENT – 2	19-18.26N	071-15.93E	
TRIDENT – 12	18-32.70N	072-13.98E	
VIRTUE 1	20-20.16N	072-01.35E	
NOBLE KENNETH DELANEY	20-40.05N	072-13.03E	
<b>2. Wide berth requested.</b>			
<b>633. Cancel NAVAREA VIII messages 546 and 604 of 2010. India East Coast – Bay of Bengal. Charts 31 32 354 355 INT 706. Present positions of oil rigs / drill ships as follows:</b>			
DISCOVERER SEVEN SEAS	19-42.27N	086-34.87E	
DHIRUBHAI DEEPWATER KG-1	15-11.18N	082-04.80E	
DEEP SEA MATDRILL	09-20.58N	079-06.88E	
ENERGY DRILLER	16-15.78N	082-10.23E	
HERCULES 258	16-38.57N	082-24.31E	
HERCULES 260	16-20.28N	081-50.65E	
SAGAR BHUSHAN	16-31.45N	082-22.65E	
SAGAR VIJAY	16-35.10N	082-27.66E	
DEEP WATER FRONTIER	16-10.00N	082-39.00E	
DHIRUBHAI DEEPWATER KG-2	15-07.30N	080-55.50E	
<b>2. Wide berth requested.</b>			
<b>634. India West Coast - Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing by naval coast battery on following dates:</b>			
Date	Time (UTC)		
09 Nov 2010	0900 to 1200		
12 Nov 2010	0900 to 1200 and 1230 to 1430		
<b>2. Danger area bounded by:</b>			
(a) 09-57.50N	075-59.50E	(b) 09-57.70N	076-14.20E
(c) 09-44.00N	076-17.50E	(d) 09-42.50N	076-09.50E
<b>3. Safe flying height 10000 metres.</b>			
<b>4. Cancel this message on 13 Nov 2010.</b>			
<b>635. Self Cancelling. India West Coast – Western Part. Piracy. Charts INT 70 INT 71 INT 72 INT 701. M/V attacked in position 03-58.60S 043-49.00E on 02 Nov 2010 at 0300 UTC.</b>			
<b>2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution.</b>			
<b>636. India West Coast – Mormugao. Charts 22 214 257 2022 2078 INT 705 INT 706. Following buoys missing from their positions:</b>			
(a) Buoy no. 1A	15-24.61N	073-44.51E	
(b) Buoy no. 3	15-24.90N	073-46.17E	
<b>2. Mariners to exercise caution.</b>			
<b>637. India West Coast – Mormugao. Charts 22 214 257 2022 2078 INT 705 INT 706. Channel buoy No. 9 moved to position 15-25.10N 073-47.67E.</b>			
<b>638. Self cancelling. India West Coast – Western Part. Piracy. Charts INT 71 INT 72 INT 73 INT 703. Mothership activity in position 07-18.80N 064-10.10E on 02 Nov 2010 at 0930 UTC.</b>			
<b>2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution.</b>			



<p><b>639. Self Cancelling. India West Coast – Off Mumbai.</b> Charts 21 292 INT 705. STS Lighterage operations shifted from LPO Vadinar to LPO Mumbai within 02 miles radius of 18-56.00N 072-24.00E.</p> <p>2. Mariners to exercise caution.</p>												
<p><b>640. India West Coast – Mormugao.</b> Chart 22 257 INT 705 INT 706. Firing practice by Naval aircraft between 0230 UTC to 1230 UTC from 14 to 21 Nov 2010. Danger area bounded by</p> <table> <tr> <td>(a)</td> <td>15-13.00N</td> <td>073-57.00E</td> <td>(b)</td> <td>15-13.00N</td> <td>073-52.00E</td> </tr> <tr> <td>(c)</td> <td>15-11.00N</td> <td>073-52.00E</td> <td>(d)</td> <td>15-11.00N</td> <td>073-57.00E</td> </tr> </table> <p>2. Safe flying height 3500 metres.</p> <p>3. Cancel this message on 22 Nov 2010.</p>	(a)	15-13.00N	073-57.00E	(b)	15-13.00N	073-52.00E	(c)	15-11.00N	073-52.00E	(d)	15-11.00N	073-57.00E
(a)	15-13.00N	073-57.00E	(b)	15-13.00N	073-52.00E							
(c)	15-11.00N	073-52.00E	(d)	15-11.00N	073-57.00E							
<p><b>641. India East Coast - Gopalpur.</b> Charts 31 352 353 3005 INT 706. Firing exercise between 2330 UTC to 1800 UTC from 09 Nov to 13 Nov 2010. Danger area bounded by</p> <table> <tr> <td>(a)</td> <td>19-14.60N</td> <td>084-53.70E</td> <td>(b)</td> <td>19-37.05N</td> <td>085-27.86E</td> </tr> <tr> <td>(c)</td> <td>18-46.05N</td> <td>085-22.87E</td> <td colspan="3">and arc of 41 NM radius joining point (b) and (c)</td> </tr> </table> <p>2. Safe flying height 24500 metres.</p> <p>3. Cancel this message on 14 Nov 2010.</p>	(a)	19-14.60N	084-53.70E	(b)	19-37.05N	085-27.86E	(c)	18-46.05N	085-22.87E	and arc of 41 NM radius joining point (b) and (c)		
(a)	19-14.60N	084-53.70E	(b)	19-37.05N	085-27.86E							
(c)	18-46.05N	085-22.87E	and arc of 41 NM radius joining point (b) and (c)									
<p><b>642. India West Coast – Off Maldives.</b> Charts 23 INT 70 INT 71 INT 72 INT 73 INT 702 INT 703 INT 706. Hydrographic survey will be carried out by Hydrographic vessel from 12 Nov to 24 Dec 2010 in area bounded by</p> <table> <tr> <td>(a)</td> <td>04-50.00N</td> <td>073-30.00E</td> <td>(b)</td> <td>04-50.00N</td> <td>078-50.00E</td> </tr> <tr> <td>(c)</td> <td>04-00.00S</td> <td>078-50.00E</td> <td>(d)</td> <td>04-00.00S</td> <td>073-30.00E</td> </tr> </table> <p>2. Wide birth requested.</p> <p>3. Cancel this message on 25 Dec 2010.</p>	(a)	04-50.00N	073-30.00E	(b)	04-50.00N	078-50.00E	(c)	04-00.00S	078-50.00E	(d)	04-00.00S	073-30.00E
(a)	04-50.00N	073-30.00E	(b)	04-50.00N	078-50.00E							
(c)	04-00.00S	078-50.00E	(d)	04-00.00S	073-30.00E							
<p><b>643. India East Coast – Bay of Bengal.</b> Charts 33 INT 71 INT 73 INT 706 INT 707. Two Omni data buoys deployed in following positions</p> <table> <thead> <tr> <th>Buoy</th> <th>Position</th> </tr> </thead> <tbody> <tr> <td>BD06_Omni</td> <td>09-55.58N 088-24.86E</td> </tr> <tr> <td>BD07_Omni</td> <td>08-00.56N 085-31.30E</td> </tr> </tbody> </table> <p>2. Buoys are yellow coloured, 03 metre dia, 3.5 metre mast carrying sensors fitted with radar reflectors and flashing once every 03 sec range 4NM.</p> <p>3. Mariners are strongly advised not to anchor or trawl in the operation circle of 1000 metres of moored data buoy.</p>	Buoy	Position	BD06_Omni	09-55.58N 088-24.86E	BD07_Omni	08-00.56N 085-31.30E						
Buoy	Position											
BD06_Omni	09-55.58N 088-24.86E											
BD07_Omni	08-00.56N 085-31.30E											
<p><b>644. Self Cancelling. Cancel Navarea VIII messages 554 569 and 621 of 2010.</b></p>												
<p><b>645. India East Coast- Off Tuticorin.</b> Charts 32 224 262 2075 INT 706. Barge Blue Marine - 1 sunk in position 08-47.59N 078-13.80E.</p> <p>2. Mariners to exercise caution.</p>												
<p><b>646. Self Cancelling. India West Coast – Western Part.</b> Piracy. Charts INT 70 INT 71 INT 72 INT 701 INT 702 INT 703. Mothership activities on 03 Nov 2010 in following positions</p> <table> <tr> <td>03-45.00S</td> <td>046-45.00E</td> <td>0410 UTC</td> </tr> <tr> <td>05-30.00S</td> <td>043-30.00E</td> <td>1830 UTC</td> </tr> </table> <p>2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution.</p>	03-45.00S	046-45.00E	0410 UTC	05-30.00S	043-30.00E	1830 UTC						
03-45.00S	046-45.00E	0410 UTC										
05-30.00S	043-30.00E	1830 UTC										
<p><b>647. Self Cancelling. Navarea VIII-Warning Inforce</b></p> <p>252 297 303 314 315 352 379 380 389 396 399 440 441 442 449 457 461 466 470  471 474 485 503 508 516 520 526 528 534 560 564 571 581 587 594 599 600 605 608  612 613 615 618 620 628 629 630 632 633 634 635 636 637 638 639 640 641 642 643  644 645 646 OF 2010</p>												
<p><b>648. India East Coast – Bay of Bengal.</b> Chart 32 33 INT 71 INT 73 INT 706. Man overboard from Srilankan fishing boat Aruna – 04 (12 metres, dark blue and yellow) in position 10-32.00N 084-31.00E on 07 Nov 2010 at 0130 UTC. The boat reported adrift due to engine failure in the same position.</p> <p>2. All vessels transiting through the area to keep a sharp lookout and render assistance.</p>												
<p><b>649. Self Cancelling. Somalia South Coast- Somali Basin.</b> Piracy. Charts INT 71 INT 72 INT 701. M/V attacked in position 01-40.00S 042-38.00E on 06 Nov 2010 at 1812 UTC.</p> <p>2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution.</p>												

<b>650. Self Cancelling. Somalia South Coast- Somali Basin.</b> Piracy. Charts INT 71 INT 72 INT 73 INT 701 INT 702 INT 703. Mothership activities in following positions:-
07-34.00N      060-16.00E      06 Nov 2010      1015 UTC
00-43.00N      044-00.00E      07 Nov 2010      0905 UTC
03-40.00N      047-36.00E      08 Nov 2010      0653 UTC
2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution.
<b>651. Self Cancelling. Cancel Navarea VIII message 379 of 2010 issued by INM 21 of 2010.</b>
<b>652. Self Cancelling. India West Coast – Western Part.</b> Piracy. Charts INT 70 INT 71 INT 72 INT 701 INT 702. M/Vs attacked in following positions
06-43.00S      051-15.00E      08 NOV 2010      1345 UTC
01-05.00N      053-10.00E      09 NOV 2010      0547 UTC
06-03.00N      065-00.00E      09 NOV 2010      0834 UTC
2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution.
<b>653. India West Coast – Mumbai.</b> Charts 21 211 2015 2016 INT 705 INT 706. Firing will be carried out on 10 Nov 2010 from 1330 UTC to 1530 UTC in area bounded by
(A) 18-54.23N      072-54.62E      (B) 18-54.21N      072-53.02E
(C) 18-53.25N      072-54.66E      (D) 18-53.18N      072-53.00E
2. Safe flying height 500 metres.
3. Cancel this message on 11 Nov 2010.
<b>654. Myanmar South Coast – Andaman Sea.</b> Charts 321 371 3022 INT 71 INT 706. Seabed survey is in progress by survey vessel MV Sea Symphony in Rakhine offshore block A-2 till 30 Nov 2010 in following positions
(A) NORTHPROS-4      19-52.32N      092-48.69E
(B) NORTH A2      19-49.24N      092-52.39E
(C) SOUTH A 2      19-44.82N      092-54.26E
2. During the survey period unauthorized navigation, anchoring, fishing and trawling are prohibited within a distance of 4000 metres from the above mentioned area.
3. Cancel this message on 01 Dec 2010.
<b>655. Myanmar South Coast – Andaman Sea.</b> Charts 31 41 325 451 3023 INT 71 INT 706. 2 D marine seismic acquisition survey is in progress by survey vessel MV Binh Minh 02 in Mottama offshore block M-2 till 23 Dec 2010 in line joining following positions
(A) 16-03.00N      093-17.00E      (B) 16-03.00N      093-59.00E
(C) 16-23.00N      093-59.00E      (D) 16-23.00N      094-05.00E
(E) 15-59.00N      094-10.00E      (F) 15-45.00N      094-52.00E
(G) 15-28.00N      094-52.00E      (H) 15-27.00N      095-14.00E
(J) 15-24.00N      095-14.00E      (K) 15-24.00N      094-52.00E
(L) 15-17.00N      094-52.00E      (M) 15-17.00N      093-17.00E
2. During the survey period unauthorized navigation, anchoring, fishing and trawling are prohibited within a distance of 4000 metres from the above mentioned area.
3. Cancel this message on 24 Dec 2010.
<b>656. Self Cancelling. Cancel NAVAREA VIII message 613 of 2010.</b>
<b>657. India West Coast - Kochi.</b> Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing by Naval coast battery on following dates
Date      Time (UTC)
16 Nov 2010      0900 to 1200
19 Nov 2010      0900 to 1200 and 1230 to 1430
2. Danger area bounded by
(a) 09-57.50N      075-59.50E      (b) 09-57.70N      076-14.20E
(c) 09-44.00N      076-17.50E      (d) 09-42.50N      076-09.50E
3. Safe flying height 10000 metres.
4. Cancel this message on 20 Nov 2010.

<p><b>658. Refer Navarea VIII message 632 of 2010. India West Coast – Arabian Sea.</b> Charts 21 22 211 255 292 INT 705 INT 706. Rig FG MCCLINTOK moved to new position 18-36.28N 072-13.98E.</p> <p>2. Wide berth requested.</p>																								
<p><b>659. India East Coast- Visakhapatnam.</b> Charts 31 32 308 354 3002 3012 INT 706. Seaward firing practice by Naval coast battery from 1500 UTC to 1700 UTC on 18 Nov 2010. Danger area bounded by</p> <table border="0"> <tr> <td>(A)</td> <td>17-42.0N</td> <td>083-18.0E</td> <td>(B)</td> <td>17-47.0N</td> <td>083-32.0E</td> </tr> <tr> <td>(C)</td> <td>17-34.0N</td> <td>083-30.0E</td> <td>(D)</td> <td>17-28.0N</td> <td>083-18.0E</td> </tr> </table> <p>2. Safe flying height 13000 metres.</p> <p>3. Cancel this message on 19 Nov 2010.</p>	(A)	17-42.0N	083-18.0E	(B)	17-47.0N	083-32.0E	(C)	17-34.0N	083-30.0E	(D)	17-28.0N	083-18.0E												
(A)	17-42.0N	083-18.0E	(B)	17-47.0N	083-32.0E																			
(C)	17-34.0N	083-30.0E	(D)	17-28.0N	083-18.0E																			
<p><b>660. Refer NAVAREA VIII message 633 of 2010. India East Coast – Bay of Bengal.</b> Charts 31 32 354 INT 706. Rig deepwater frontier moved to new position 17-00.00N 082-32.00E.</p> <p>2. Wide berth requested.</p>																								
<p><b>661. Self Cancelling. India West Coast – Arabian Sea.</b> Piracy. Charts INT 71 INT 72 INT 73 INT 703 INT 705. M/V attacked in position 11-26.00N 066-05.00E on 11 Nov 2010 at 0435 UTC.</p> <p>2. All vessels transiting through the area are advised to exercise extreme caution.</p>																								
<p><b>662. Self Cancelling. India West Coast – Arabian Sea.</b> Piracy. Charts INT 71 INT 72 INT 73 INT 703. Pirates activity in position 06-15.00N 064-44.00E on 10 Nov 2010 at 0558 UTC.</p> <p>2. All vessels transiting through the area are advised to exercise extreme caution.</p>																								
<p><b>663. Self Cancelling. Somalia South Coast – Somali Basin.</b> Piracy. Charts INT 71 INT 72 INT 701 INT 703. M/V attacked in position 00-50.00S 049-32.00E on 11 Nov 2010 at 1215 UTC.</p> <p>2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution.</p>																								
<p><b>664. India West Coast – Arabian Sea.</b> Charts 21 292 INT 71 INT 72 INT 705. Hydrographic survey of safety fairways – north of Mumbai will be carried out by hydrographic vessel from 15 Nov to 25 Nov 2010 in area bounded by</p> <table border="0"> <tr> <td>(a)</td> <td>20-02.00N</td> <td>072-05.00E</td> <td>(b)</td> <td>20-10.43N</td> <td>071-38.32E</td> </tr> <tr> <td>(c)</td> <td>20-27.90N</td> <td>071-38.31E</td> <td>(d)</td> <td>20-28.08N</td> <td>071-35.45E</td> </tr> <tr> <td>(e)</td> <td>20-10.88N</td> <td>071-35.45E</td> <td>(f)</td> <td>20-08.30N</td> <td>071-35.98E</td> </tr> <tr> <td>(g)</td> <td>19-59.00N</td> <td>072-05.00E</td> <td></td> <td></td> <td></td> </tr> </table> <p>2. Wide berth requested.</p> <p>3. Cancel this message on 26 Nov 2010.</p>	(a)	20-02.00N	072-05.00E	(b)	20-10.43N	071-38.32E	(c)	20-27.90N	071-38.31E	(d)	20-28.08N	071-35.45E	(e)	20-10.88N	071-35.45E	(f)	20-08.30N	071-35.98E	(g)	19-59.00N	072-05.00E			
(a)	20-02.00N	072-05.00E	(b)	20-10.43N	071-38.32E																			
(c)	20-27.90N	071-38.31E	(d)	20-28.08N	071-35.45E																			
(e)	20-10.88N	071-35.45E	(f)	20-08.30N	071-35.98E																			
(g)	19-59.00N	072-05.00E																						
<p><b>665. Self Cancelling. Navarea VIII-warning inforce</b></p> <p>252 297 303 314 315 352 380 389 396 399 440 441 442 449 457 461 466 470 471 474 485 503 508 516 520 526 528 534 560 571 581 587 594 600 628 629 630 632 633 634 636 637 640 641 642 643 645 648 654 655 657 658 659 660 661 662 663 664 OF 2010.</p>																								
<p><b>666. India West Coast – Arabian Sea.</b> Charts 21 22 293 INT 705. 2 D seismic survey/gravity and magnetic data acquisition survey is in progress by survey vessel western spirit from 12 to 21 Nov 2010 in area bounded by</p> <table border="0"> <tr> <td>(a)</td> <td>17-51.20N</td> <td>070-14.06E</td> <td>(b)</td> <td>16-48.36N</td> <td>070-14.10E</td> </tr> <tr> <td>(c)</td> <td>16-48.36N</td> <td>070-18.10E</td> <td>(d)</td> <td>16-28.35N</td> <td>070-18.11E</td> </tr> <tr> <td>(e)</td> <td>16-28.37N</td> <td>070-49.27E</td> <td>(f)</td> <td>16-10.24N</td> <td>070-49.29E</td> </tr> <tr> <td>(g)</td> <td>16-10.24N</td> <td>071-00.00E</td> <td>(h)</td> <td>17-51.20N</td> <td>071-00.00E</td> </tr> </table> <p>2. The vessel is towing four seismic streamers of length 10500 metres. Each of the trailing ends are attached to tail buoy with radar reflectors and flashing white light.</p> <p>3. All vessels operating in the area to exercise caution and give wide berth of at least 03 NM abeam, ahead and 08 NM astern of the vessel.</p> <p>4. Cancel this message on 22 Nov 2010.</p>	(a)	17-51.20N	070-14.06E	(b)	16-48.36N	070-14.10E	(c)	16-48.36N	070-18.10E	(d)	16-28.35N	070-18.11E	(e)	16-28.37N	070-49.27E	(f)	16-10.24N	070-49.29E	(g)	16-10.24N	071-00.00E	(h)	17-51.20N	071-00.00E
(a)	17-51.20N	070-14.06E	(b)	16-48.36N	070-14.10E																			
(c)	16-48.36N	070-18.10E	(d)	16-28.35N	070-18.11E																			
(e)	16-28.37N	070-49.27E	(f)	16-10.24N	070-49.29E																			
(g)	16-10.24N	071-00.00E	(h)	17-51.20N	071-00.00E																			
<p><b>667. Self Cancelling. Somalia South Coast – Somali Basin.</b> Piracy. Charts INT 71 INT 72 INT 701. Pirate action group in 01-00.00S 052-06.00E on 13 Nov 2010 at 0938 UTC.</p> <p>2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution.</p>																								
<p><b>668. India East Coast – Off Suryalanka.</b> Charts 31 32 355 3026 INT 706. Firing exercise by IAF from firing point 15-50.5N 080-29.5E between 0130 UTC to 1630 UTC on 25, 26 Nov and 2, 3, 9, 10 Dec 2010. Danger area is an arc of 60 NM radius between 100 degree and 210 degree from firing point.</p> <p>2. No over flight permissible over the danger area. Mariners to exercise caution.</p> <p>3. Cancel this message on 11 Dec 2010.</p>																								

<b>669.</b>	<b>Self Cancelling. Cancel NAVAREA VIII message 303 of 2010. Promulgated Sufficiently.</b>
<b>670.</b>	<b>India West Coast – Arabian Sea. Off Mitha Port.</b> Charts 21 251 291 INT 705. Fishing boat MFB Parvathi Kripa (registration number MM-2358) sunk in position 23-07.10N 067-40.30E on 14 Nov 2010.
2.	Mariners to exercise caution.



6.1

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

-Nil-



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

**INP 31(1), 2005**

*(Last correction: Edition No. 07 dated 01 Apr 2009)*

**NIL**

**INP 31(2), 2007**

*(Last correction: Edition No. 04 dated 16 Feb 10)*

**NIL**

**INP 31(5), 1997**

*(Last correction: Edition No. 07 dated 01 Apr 09)*

**NIL**

**INP 31(6), 2005**

*(Last correction: Edition No. 18 dated 16 Sep 2010)*

**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. When a position is defined by bearings (true or magnetic to be specified) more than two bearings should be used in order to provide a check. Distances observed by Radar should be corrected for index errors. Latitude and Longitude obtained from GPS / DGPS should specify the datum (WGS 84 or other). A copy / tracing from the largest scale chart may be used for forwarding details, with the corrections and additions being shown thereon in red.

### **Depth Reporting**

4. When soundings are obtained using Echo Sounders, the echo-gram should be duly annotated with date, time, position and depth, etc., before enclosing it with the Form IH 102. It is important to state whether 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 applied where necessary. The make, name and type of echo sounder should also be given. Care should be taken to set the echo sounder to the largest scale / phase, so as to obtain maximum details of echo of the feature. Efforts should be made to identify and negate false echoes if any.

5. Reports, which cannot be confirmed or are lacking in certain details should not be withheld. Limitations or shortcomings should be duly notified in the form.

6. Reports on shoal soundings, uncharted dangers and navigational aids out of order should be reported through fastest available means at the mariner's discretion, and also be made by radio to the nearest coast radio station. The draught of modern tankers is such that any uncharted depth under 50 metres should be of sufficient importance to justify a radio message.

7. Port information should be forwarded on form IH 102a together with IH 102. Form 102a contains the information required for Sailing Direction and should be used as an *aide memoir*. Where there is insufficient space on the form, additional sheet should be used.

*Please Note:* - The receipt of all Hydrographic Notes will be duly acknowledged by the Hydrographic Office. Normally, the sender's ship or name is quoted as the source when the Notices to Mariners reporting the change is issued, unless the information is received through a foreign Notices to Mariners. Further communication from the Hydrographic Office to the sender of the hydrographic note will only be necessary to verify unusual features or abnormal values reported.



I.H. 102

**HYDROGRAPHIC NOTE**

(For Reporting Navigational Dangers/ Changes observed at Sea by Mariners)

<b>1. Name of ship or sender</b>	
<b>2. Address of sender</b>	
(i) E-mail	
(ii) Fax No.	
(iii) Tel. No.	
<b>3. General Locality</b>	
<b>4. Chart / Publication Affected:</b>	
(i) Chart published by INHO / UKHO / other (Specify).	
(ii) Chart No.	
(iii) Edition Date.	
(iv) Latest Edition of Indian N to M held	
<b>5. Details of Changes / Dangers Observed.</b>	
Object of Change.	
(i) Date/Time of observation	
(ii) Charted Observed	
(iii) Position/Area	
<b>(a) Bathymetry:</b>	
(i) Depth	
(ii) Depth Contour	
(iii) Channel Depth	
<b>(b) Navigational Dangers:</b>	
(i) New Shoals	
(ii) New Rocks	
(iii) New Reefs	
(iv) New Wrecks	
(v) New Nav-aid (Specify)	
<b>(c) Casualties to existing Nav-Aids:</b>	
(i) Buoys	
(ii) Lights	
(iii) Fog signals	
(iv) Racons	
(v) Transit Marks	
(vi) Leading Lines	
(vii) Clearance bearings	
<b>(d) Designated Areas:</b>	
(i) Exercise Areas	
(ii) Prohibited Areas	
(iii) Pilot Station	
(iv) Anchorage	
(v) Foul Ground	

<b>(e) Port Information:</b>	
(i) Berthing	
(ii) Cranage	
(iii) Tugs	
(iv) Dry Docks	
(v) Repair Facilities	
(vi) Pilotage	
(vii) Fuel	
(viii) Water	
(ix) Any other (Specify)	
<b>(f) Environmental Data</b>	
(i) Met information	
(ii) Tides and Tidal Stream	
(iii) Pollutants	
(iv) Effluents	
(v) Marine Life / Habitats	
<b>(g) Other changes, if any, with Details:</b>	
<b>6. Information on the Positions of Danger / Changes Reported above:</b>	
(a) Positioning System used	
(b) Datum [WGS/Everest/ Local (Specify)]	
(c) Accompanying plots / photographs if any	
<b>7. Information on the Soundings / Depths Reported above:</b>	
(a) Echo Sounder (Type) used	
(b) Draught of Vessel set on Echo Sounder	
(c) Observed water depth vis-à-vis charted depth	
(d) Echo-gram accompanying this report: Yes / No	
(e) Whether voltage drop existed in equipment at observation time	
(f) Data and Time of depth observation	
<b>8. Limitations if any in Reporting the changes above</b>	

Filled By  
(Name & Designation)

Checked by  
(Name & Designation)

Place  
Date

**I.H. 102a****HYDROGRAPHIC NOTE FOR PORT INFORMATION****(For Reporting Changes to Port Information)**

<b>1 Name and Address of the Port.</b>	
(a) Name	
(b) Address	
(c) Phone No's	
(d) Web Site	
(e) E Mail	
<b>2 General Remarks</b>	
(a) Principal activities and trade	
(b) Number of ships and tonnage handled per year	
(c) Maximum size of draught of vessel handled	
(d) Soft copy of port handbook	
<b>3 Anchorages</b>	
(a) Type/Purpose	
(b) Minimum depth	
(c) Shelter afforded	
(d) Holding Ground	
(e) Recommended Pilotage to the anchorages	
(f) Request Pilots appreciation to the approach of anchorage area	
<b>4 Pilotage</b>	
(a) Authority for request	
(b) Embarkation Position	
(c) Regulations	
(d) Documents to be provided	
(e) Request Pilots appreciation to the approach of inner harbour and berths.	
(f) Information on Vessel Traffic Management System (VTMS).	
(g) Navigational aid	
(i) List of beacons	
(ii) Buoys	
(iii) Lighthouses	
(iv) Any other information	
<b>5 Directions</b>	
(a) Entry and berthing information	
(b) Tides (Range of the tides)	
(c) Tidal stream information in the area	
(d) Type of season (max/min temperature, rain fall, wind speed and direction)	
<b>6 Pollution Control</b>	
Local regulation in force (if any)	

7 Tugs	
(a) Number available/Type	
(b) Maximum HP/Bollard Pull	
(c) Requesting authority	
(d) Availability times	
(e) Communication with tugs	
(f) Hiring charges	
8 Berthing and wharves	
(a) Type & number of berths available	
(b) Length	
(c) Depth alongside	
(d) Facilities available	
(e) Procedure for requesting berth and hiring charges.	
9 Cargo Handling	
(a) Containers	
(b) Lighters	
(c) Roll on / Roll off etc.	
10 Cranes	
(a) Brief details max lifting capacity, height of boom at warf level and outreach	
(b) Container handling facilities.	
11 Bridges	
Vertical clearance	
12 Repairs	
(a) Hull machinery and underwater	
(b) Ship and boat yards	
(c) Docking or slipway facilities (size or dimensions of vessels handled)	
(d) Hards and ramps	
(e) Divers/Diving Assistance	
13 Rescue and distress	
(a) Salvage, lifeboats, life guards etc	
14 Supplies	
(a) Fuel (type and quantities available)	
(b) Fresh water and rate of supply	
(c) Provisions	
(d) Chart agents	
15 Services	
(a) Radio/telegram/fax /telephone	
(b) Internet	
(c) Medical	
(d) Quarantine	
(e) counsel	
(f) Ship chandlery and stevedores	
(g) Compass adjustment	
(h) Tank cleaning	
(j) Hull painting	
(k) Police	

(l) Ambulance	
(m) Fire fighting (fixed and mobile facilities)	
(n) Navigational warning and weather bulletin	
(p) garbage disposal	
(q) Waste oil disposal	
(r) Helicopter landing facilities	
16 Communications	
(a) Road, rail and air services available	
(b) Nearest airport or airfield	
(c) Port radio and information service (Frequencies and operating hours)	
17 Port Authority	
Designation, address and phone number	
18 Security	
(a) Security of ports/ International Ship and Port Facility (ISPS) competence	
(b) Container Security Initiative (CSI)	
(c) Custom and Immigration regulation in ports	
19 Small craft facilities	
(a) Information and facilities for small craft yachts visiting the port	
(b) Yacht clubs, berths etc	
20 Shore leave	
21 Clubs recreation	
(a) information kiosk (location)	
(b) Foreign exchange firms/banks (within/near port area)	
(c) Places of interest near port	
(d) Hotels/ restaurants (Type of food served e.g Chinese, continental etc)	
22 Views (duly annotated), photographs of the approaches, leading marks, the entrance to the harbour etc.	
23 Any other information considered to be useful for the mariners	

Filled By  
(Name & Designation)

Checked by  
(Name & Designation)

Place  
Date

*To accompany Indian Notice to Mariners 271/10*  
*Chart 8004*

RESTRICTED AREAS  
(25°36'N 55°13'E)  
(25°10'N 55°43'E)

Only authorised vessels should enter the restricted areas shown on this chart. For further information, consult the local authority.



**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**