



# INDIAN NOTICES TO MARINERS FOR 2009

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

EDITION No. 11 DATED 01 JUN 2009

(CONTAINS NOTICES 203 TO 215)

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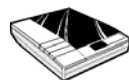
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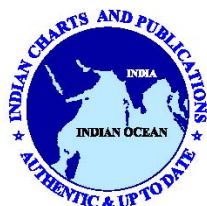
**Mariner's Obligation and A Chart Maker's Plea.** Observing changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Govt. of India at the above mentioned address/fax number/ E mail ID 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 N to M editions 1, 7, 13 and 19.

**Chief Hydrographer  
to the Government of India**

**National Hydrographic Office  
Post Box No. 75  
Dehradun 248 001  
India**

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For the Indian Ocean Area  
INSIST ON INDIAN CHARTS AND  
PUBLICATIONS  
(Original, Authentic and Most Up-to-date)

## **EXPLANATORY NOTES**

**Corrections to Charts and Publications.** Section I comprises List of Charts affected by the notices contained in this edition. Where as 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. Sl Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. These corrections are not inserted on charts before they are issued to the users. 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 can not always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

**Laws and Regulations.** While in the interest of the safety of shipping, the Hydrographic Office makes every endeavor to include in its publications details of the laws and regulations of all countries pertaining to navigation, it must be clearly understood: -

- (a) That no liability whatsoever can be accepted for failure to publish details of any particular law or regulation
- and
- (b) That publication of details of a law or regulation is solely for the safety and convenience of shipping and implies no recognition of the International validity of the law or regulation.

**Correction of Charts and Publications by the users.** Notices to Mariners contain important information concerning safety of navigation at sea, hence, they should be used to keep the specified Charts and publications up to date.

**Reliance on Charts and Associated Publications.** While every effort is made by the Hydrographic Office to ensure the accuracy of the information on Charts and Publications before they are published, it should be appreciated that it may not always be complete and up-to-date. The mariner must be the final judge for the reliance he can place on the information available, bearing in mind his particular circumstances, local pilotage guidance and judicious use of available navigational aids.

**Use of Global Positioning System (WGS 84) positions.**

- (a) The positions of Hydrographic objects shown on most of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist a difference in the position values obtained by visual fixing (Everest Datum) and GPS position (WGS 84 datum).
- (b) Where ever 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 & 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.

**INDIAN CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE**

(a) **NEW INDIAN CHART**

<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>2051</b>	30-04-2009	<b>SALAYA HARBOUR</b>  <u>Limits</u> 22° 20'.60N; 69° 30'.60E. 22° 34'.00N; 69° 40'.00E.	25, 000	2	Rs. 1360.00
<b>3013</b>	15-05-2009	<b>HUGLI RIVER HALDIA TO KUKRAHATI REACH</b>  <u>Limits</u> 21° 53'.00N; 88° 00'.30E. 22° 13'.00N; 88° 14'.00E.	37, 500	5	Rs. 1360.00

(b) **INDIAN CHARTS PERMANENTLY WITHDRAWN**

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>On Publication of New Chart / Edition</i>	<i>Date of Publication</i>
<b>2051</b>	15-07-2004	<b>SALAYA HARBOUR</b>	<b>2051</b>	30-04-2009
<b>3013</b>	30-09-2003	<b>HUGLI RIVER HALDIA TO KUKRAHATI REACH</b>	<b>3013</b>	15-05-2009

(c) **NEW EDITION ELECTRONIC NAVIGATIONAL CHARTS**

<i>Sl. No.</i>	<i>Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
1	<b>IN62045K</b>	2045	<b>PORT OF KOCHI (COCHIN)</b>	31-05-2008
2	<b>IN62083B</b>	2083	<b>RELIANCE TANKER BERTHS</b>	31-05-2008

(d) **ENCs PERMANENTLY WITHDRAWN**

<i>Sl. No.</i>	<i>Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
1	<b>IN62045K</b>	2045	<b>PORT OF KOCHI (COCHIN)</b>	16-04-2001
2	<b>IN62083B</b>	2083	<b>RELIANCE TANKER BERTHS</b>	31-05-2001

(e) **FORTHCOMING CHARTS**

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2076 (INT 7338)	JAWAHARLAL NEHRU PORT AND TROMBAY	20,000	New Chart
2002 (INT 7351)	PORTS OF NEW MANGLORE AND MANGLORE	20,000	New Edition
2027	ROZI ANCHORAGE	25,000	New Edition
2035	KALPANI AND CHERIYAM ISLANDS	25,000	New Edition

(f) **FORTHCOMING PUBLICATION**

<i>Publication</i>	<i>Price</i>	<i>Remarks</i>
NAUTICAL ALMANAC 2010 (INP 11)	Rs. 2370.00	

**AVAILABILITY OF ENC'S:**

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP) and UKHO. UKHO distributes Indian ENC's through the world wide net work of their agents and distributors. Details of UKHO agents / distributors may be obtained from UKHO web site [www.ukho.gov.uk](http://www.ukho.gov.uk) 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:

The Chief Hydrographer to the Government of India National Hydrographic Office 107-A, Rajpur Road Dehradun- 248 001 Tele: +91 135 2747365 Fax: +91 135 2748373 Email: <a href="mailto:in的角度@dataone.in">in的角度@dataone.in</a> Website: <a href="http://www.hydrobharat.nic.in">www.hydrobharat.nic.in</a>	Director, JEPPESEN MARINE Jeppesen India Pvt. Ltd. 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> Website: <a href="http://www.c-map.co.in">www.c-map.co.in</a>	United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Telex: 46274 Email: <a href="mailto:helpdesk@ukho.gov.uk">helpdesk@ukho.gov.uk</a> Web site: <a href="http://www.ukho.gov.uk">www.ukho.gov.uk</a>
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**SECTION – I****List of charts affected by****The Notices 203 to 215 contained in this Edition**

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
20	1	203, 215(T)
21	2	204
22 (INT 752)	3	213, 215(T)
205	2	208
206	2	209
208	2	212
211	3	215(T)
214	3	213
215	3	213
245	1	203
250	2	204
253 (INT 7328)	2	210
255 (INT 7334)	3	215(T)
257 (INT 7343)	3	213
271	2	207
289	1	203
290	1	203
291	2	204
292 (INT 7021)	2	215(T)
293 (INT 7022)	3	213
436	7	214
2022 (INT 7345)	3	213
2040	2	208
2049	2	204
2054	2	211
2068	2	206
2086	1	205
2093	2	204
7705 (INT 705)	1	215(T)


**SECTION – II: PERMANENT NOTICES**  
**INDIAN HYDROGRAPHIC CHARTS AND PUBLICATIONS**

**203/(11/09) Gulf of Oman – Western Portion – Submarine Cable.**


Source: BA Notice 2640/09

(HJ/1132/43)


**Chart 20** [previous update 191/09]

Insert submarine cable, , joining: 24°52′.7N., 56°24′.7E.(shore)  
 24°55′.2N., 57°05′.8E.  
 24°59′.7N., 57°09′.1E.  
 25°03′.0N., 57°14′.1E.


**Chart 290** [previous update 150/09]

Insert submarine cable, , joining: 24°52′.7N., 56°24′.7E.(shore)  
 24°55′.2N., 57°05′.8E.  
 24°59′.7N., 57°09′.1E.  
 25°03′.0N., 57°14′.1E.

**Chart 289** [previous update 164/09]

Insert submarine cable, , joining: 24°52′.7N., 56°24′.7E.(shore)  
 24°55′.2N., 57°05′.8E.  
 24°59′.7N., 57°09′.1E.  
 25°03′.0N., 57°14′.1E.

**Chart 245** [previous update 150/09]

Insert submarine cable, , joining: 24°52′.7N., 56°24′.7E.(shore)  
 24°55′.2N., 57°05′.8E.  
 24°59′.7N., 57°09′.1E.  
 25°03′.0N., 57°14′.1E.

**204/(11/09) Arabian Sea – Coast of Pakistan – Sonmiani Bay – Obstruction.**

Source: BA Notice 2561/09

(HJ/1131/43)

**Chart 21** [previous update 192/09]Insert  *Obstm* 24° 54'·90N., 66° 36'·50E.**Chart 291** [previous update 192/09]Insert  *Obstm* 24° 54'·90N., 66° 36'·50E.**Chart 250** [previous update 192/09]Insert  *Obstm* 24° 54'·90N., 66° 36'·50E.**Chart 2093** [previous update 390/03]Insert  *Obstm* 24° 54'·90N., 66° 36'·50E.**Chart 2049** [previous update 180/09]Insert  *Obstm* 24° 54'·88N., 66° 36'·51E.**205/(11/09) INDIA OCEAN – Mauritius – Port Louis – Legends.**

Source: BA Notice 2613/09

(HJ/632/92)

**Chart 2086** [previous update 186/09]Insert legend, *12·2m (2009)*, orientated NW/SE, centred on: 20° 09'·02S., 57° 29'·46E.legend, *Dredged to 12·2m (2009)*, orientated NW/SE, centred on: 20° 09'·18S., 57° 29'·66E.Delete legend, *Maintained depth 12·2m (2007)*, orientated NW/SE, centred on: 20° 09'·23S., 57° 29'·74E.



**\* 206/(11/09) INDIA – West Coast – Gulf of Kachchh Deep Water Route – Racon.**

Source: DLL, Jamnagar

(HJ/1131/20)

**Chart 2068** [previous update 169/09]

Insert Racon (G), at light 22° 49'.65N., 69° 20'.90E.

**\* 207/(11/09) Arabian Sea – Coast of Pakistan and India – Racon.**

Source: DLL, Jamnagar

(HJ/1131/21)

**Chart 271** [previous update 187/09]

Amend Racon (G) for Racon (W), at light 22° 14'.20N., 68° 57'.50E.

**\* 208/(11/09) INDIA – West Coast – Porbandar Anchorage – Light.**

Source: DLL, Jamnagar

(HJ/1131/10)

**Chart 205** [previous update 125/09]

Amend Light to, Fl.5s47m26M 21° 37'.30N., 69° 37'.15E.

**Chart 2040** [previous update 148/08]

Amend Light to, Fl.5s47m26M 21° 37'.32N., 69° 37'.16E.

**\* 209/(11/09) INDIA – West Coast – Veraval to Diu Head – Racon.**

Source: DLL, Jamnagar

(HJ/1130/09)

**Chart 206** [previous update 125/09]

Insert Racon (K), at light 20° 54'.60N., 70° 21'.20E.

**\*210/(11/09) INDIA – West Coast – Veraval to Pipavav – Light.**

Source: DLL, Jamnagar

(HJ/1130/09)

**Chart 253 (INT 7328)** [previous update 443/08]

Amend Light to, Oc.15s33m24M 20° 54'.60N., 70° 21'.20E.

**\* 211/(11/09) INDIA – West Coast – Madhwad Bay – Light.**

Source: DLL, Jamnagar

(HJ/1130/09)

**Chart 2054** [previous update 171/09]

Amend Light to, Fl.10s59m32M 20° 41'.43N., 70° 49'.68E.

**\* 212/(11/09) INDIA – West Coast – Gulf of Khambhat – Light.**

Source: DLL, Jamnagar

(HJ/1130/17)

**Chart 208** [previous update 170/09]

Amend Light to, Fl.3s39m14M 21° 24'.20N., 72° 11'.12E.

**\* 213/(11/09) INDIA – West Coast – Approaches to Mormugoa – wreck.**

Source: INS Investigator

(HJ/1030/56)

**Chart 22 (INT 752)** [previous update 52/09]

Insert  15° 20'.35N., 73° 26'.34E.

**Chart 293 (INT 7022)** [previous update 035/09]

Insert  15° 20'.35N., 73° 26'.34E.


**Chart 257 (INT 7343)** [previous update 142/09]

Insert  15° 20'.29N., 73° 26'.38E.


**Chart 215** [previous update 173/09]

Insert  15° 20'.29N., 73° 26'.38E.

**Chart 214** [previous update 225/08]

Insert  15° 20'.29N., 73° 26'.38E.

**Chart 2022 (INT 7345)** [previous update 037/09]

Insert  15° 20'.35N., 73° 26'.34E.

**\* 214/(11/09) Malacca Strait – Malaysia – West Coast – Pinang Island to Sembilan Islands - Light.**

Source: BA Notice 2632/09

(HJ/927/49)

**Chart 436** [previous update 194/09] Revised Kertau Datum

Amend Light to, Q.7m5M 4° 15'.98N., 100° 33'.10E.

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

**\*215(T)/(11/09) INDIA – WEST COAST – OFF MURUD-JANJIRA – Buoy.**

Source: Hydrographic Note INS Subhadra.

*(HJ/1130/87)*

1. Mooring buoy adrift in approximate position 18° 14'.49N., 072° 38'.62E.
2. Mariners to exercise caution

**Charts affected – 21 – 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 7705 (INT 705).**

## 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>            Paleiskade 100            PO Box 7            1781 AR Den Helder,            Holland            Ph: +31 223 616 700            E Mail: CorMallie  <a href="mailto:cor@chartworx.nl">cor@chartworx.nl</a></p>	
<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>		

### TSUNAMI NOTICE

Major changes likely to have occurred in topography of coastline and bathymetry in Andaman & Nicobar islands, coasts of Andhra Pradesh, Tamilnadu, Kerala, Maldives and Srilanka as a consequence of recent earthquakes followed by Tsunami waves in South Asia. Number of uncharted wrecks/obstructions may also be encountered. Mariners are advised to exercise utmost caution and contact local authorities while approaching these areas.

## SECTION – V: RADIO NAVIGATIONAL WARNINGS IN FORCE

1. For details of NAVAREA limits and organization/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2008.
2. **NAVAREA Warnings in force:** - The serial numbers of all the NAVAREA warnings in force as on 28 May 09, covering the entire world are listed below against the respective NAVAREA.

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
I	N.E. Atlantic	121	<b>2007 Series:</b> 019. <b>2008 Series:</b> 341 377 387 . <b>2009 Series:</b> 055 086 089 091 093 096 103 104 105 107 110 114 115 116 117 121.
II	E. Atlantic	126	<b>2009 Series:</b> 007 030 058 073 102 104 105 106 107 110 111 113 114 115 116 117 118 119 120 121 122 123 124 125 126.
III	Mediterranean	204	<b>2007 Series:</b> 129. <b>2008 Series:</b> 342. <b>2009 Series:</b> 007 051.
IV	N.W. Atlantic	179	<b>2009 Series:</b> Nil
V	W. Atlantic	1034	<b>2009 Series:</b> 876
VI	S.W. Atlantic	150	<b>2009 Series:</b> Nil.
VII	S.E. Atlantic	099	<b>2009 Series:</b> Nil.
VIII	Indian Ocean	270	<b>2009 Series:</b> - 120 179 187 191 193 199 218 220 226 227 229 232 234 238 245 252 253 254 257 259 260 262 263 264 265 266 267 268 269 270

3. NAVAREA Warnings issued during the period from 15 May 09 to 28 May 09 (both dates inclusive) are as tabulated below:-

<b>248. Cancelled.</b>
<b>249. Cancelled.</b>
<b>250. Cancelled.</b>
<b>251. Cancelled.</b>
<b>252. Refer Navarea VIII Message 227 Of 2009, India East Coast – Ramaypatnam To Sacramento Shoal. Charts 31 355 INT 706 (.) Rig Sagar Ratna moved to new position 16-22.68N 082-01.35E.</b>
2. Wide berth requested.

<p><b>253. Refer Navarea VIII Message 226 of 2009. India West Coast – Arabian Sea.</b> Charts 21 22 32 221 259 260 293 INT 705. Present position of Oil Rigs / Drill Ships as follows</p> <table> <tr> <td>ENERGY DRILLER</td> <td>09-07.76N</td> <td>075-54.83E</td> </tr> <tr> <td>PRIDE HAWAI</td> <td>19-21.80N</td> <td>071-23.83E</td> </tr> <tr> <td>PRIDE PENNSYLVANIA</td> <td>19-18.21N</td> <td>071-15.95E</td> </tr> <tr> <td>VIRTUE – 1</td> <td>19-23.48N</td> <td>071-25.18E</td> </tr> </table> <p>2. Wide berth requested.</p>	ENERGY DRILLER	09-07.76N	075-54.83E	PRIDE HAWAI	19-21.80N	071-23.83E	PRIDE PENNSYLVANIA	19-18.21N	071-15.95E	VIRTUE – 1	19-23.48N	071-25.18E
ENERGY DRILLER	09-07.76N	075-54.83E										
PRIDE HAWAI	19-21.80N	071-23.83E										
PRIDE PENNSYLVANIA	19-18.21N	071-15.95E										
VIRTUE – 1	19-23.48N	071-25.18E										
<p><b>254. India West Coast - Kochi.</b> Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval Coast Battery from 0900 UTC to 1200 UTC on 26 May and 29 May 2009. Danger area bounded by</p> <table> <tr> <td>(A) 09-57.50N</td> <td>075-59.50E</td> <td>(B) 09-57.70N</td> <td>076-14.20E</td> </tr> <tr> <td>(C) 09-44.00N</td> <td>076-17.50E</td> <td>(D) 09-42.50N</td> <td>076-09.50E</td> </tr> </table> <p>2. Safe flying height 10000 meters. 3. Cancel this message on 30 May 2009.</p>	(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				
(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									
<p><b>255. Cancelled.</b></p>												
<p><b>256. Cancelled.</b></p>												
<p><b>257. Indian Ocean – Seychelles to Thailand.</b> Charts INT 70 INT 71 INT 72 INT 702 INT 705 INT 706 INT 707. Japanese Yatch Emu-II cruising with sail and motor with one crew onboard departed from port Victoria (Seychelles) on 28 Apr 09 for Thailand overdue/missing. The possible route via Chagos Island or Srilanka.</p> <p>2 Vessels in vicinity to keep sharp lookout and render necessary assistance and report to MRCC (Mumbai) on Tele 0091 22 2431 6558 / 0091 22 2438 8065 Fax 0091 22 2431 6558 Email indsar@vsnl.net</p>												
<p><b>258. Cancelled.</b></p>												
<p><b>259. India West Coast – Mormugao.</b> Chart 22 214 215 257 2020 2022 2078 INT 706. Firing exercise by Naval Coast Battery from position 15-24.6N 073-47.1E between 0430 UTC to 0730 UTC on 05 Jun 2009.</p> <p>2. Danger area sector of 20 Nm radius between 200 degree to 260 degree from the position. 3. Safe flying height 6500 metres. 4. Cancel this message on 06 Jun 2009.</p>												
<p><b>260. India West Coast- Approaches To Mumbai.</b> Charts 21 22 211 255 292 293 2016 INT 705. Cable laying operation is in progress by MV cable innovator till 06 Jun 2009 from position 18-59.00N 070-37.00E to 19-00.09N 072-34.80E.</p> <p>2. All vessels operating in vicinity to give wide berth at least 01 nm all around the vessel and exercise caution. 3. Cancel this message on 07 Jun 2009.</p>												
<p><b>261. Cancelled.</b></p>												

<p><b>262. India East Coast- Chennai.</b> Charts 32 33 313 356 357 3001 3004 INT 706. Firing exercise by naval coast battery 13-07.17N 080-18.70E between 0530 UTC to 0730 UTC on 29 May 2009</p> <ol style="list-style-type: none"> <li>2. Danger zone sector of 11 nm radius between 045 degree and 075 degree from gun position.</li> <li>3. Safe flying height 12800 meters.</li> <li>4. Cancel this message on 30 may 2009.</li> </ol>																																				
<p><b>263. India West Coast – Mormugao.</b> Charts 22 257 INT 705 INT 706. Firing practice by naval aircraft between 0230 UTC to 1230 UTC from 01 Jun to 07 Jun 2009. Danger area bounded by</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">(A) 15-13.00N</td> <td style="width: 25%;">073-57.00E</td> <td style="width: 25%;">(B) 15-13.00N</td> <td style="width: 25%;">073-52.00E</td> </tr> <tr> <td>(C) 15-11.00N</td> <td>073-57.00E</td> <td>(D) 15-11.00N</td> <td>073-52.00E</td> </tr> </table> <ol style="list-style-type: none"> <li>2. Safe flying height 3500 Metres.</li> <li>3. Cancel this message on 08 Jun 2009.</li> </ol>	(A) 15-13.00N	073-57.00E	(B) 15-13.00N	073-52.00E	(C) 15-11.00N	073-57.00E	(D) 15-11.00N	073-52.00E																												
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(C) 15-11.00N	073-57.00E	(D) 15-11.00N	073-52.00E																																	
<p><b>264. India West Coast – Off Murud - Janjira.</b> Charts 21 22 211 255 292 INT 705. Uprooted floating mooring buoy adrift in approximate position 18-14.49N 072-38.62 E.</p> <ol style="list-style-type: none"> <li>2. Mariners to exercise caution.</li> </ol>																																				
<p><b>265. India West Coast- Okha.</b> Charts 21 202 203 251 271 291 2013 2068 INT 705. Seaward firing practice by Naval Coast Battery Okha between 1030 UTC to 1230 UTC on 05 JUN 2009. Danger area bounded by.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">(A) 22-22.0N</td> <td style="width: 25%;">068-50.0E</td> <td style="width: 25%;">(B) 22-37.0N</td> <td style="width: 25%;">068-53.0E</td> </tr> <tr> <td>(C) 22-42.0N</td> <td>069-08.0E</td> <td>(D) 22-29.0N</td> <td>069-04.0E</td> </tr> </table> <ol style="list-style-type: none"> <li>2. Safe flying height 13000 metres.</li> <li>3. Cancel this message on 06 JUN 2009.</li> </ol>	(A) 22-22.0N	068-50.0E	(B) 22-37.0N	068-53.0E	(C) 22-42.0N	069-08.0E	(D) 22-29.0N	069-04.0E																												
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(C) 22-42.0N	069-08.0E	(D) 22-29.0N	069-04.0E																																	
<p><b>266. India West Coast – Arabian Sea.</b> Charts 21 22 255 256 293 INT 70. 2 D focus seismic acquisition survey is in progress by Geo Natuna till 10 Jun 2009 in the following coordinates.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">(A) 17-05.28N</td> <td style="width: 25%;">070-57.65E</td> <td style="width: 25%;">(B) 16-10.68N</td> <td style="width: 25%;">071-38.18E</td> </tr> <tr> <td>(C) 14-21.70N</td> <td>072-30.71E</td> <td>(D) 13-26.08N</td> <td>072-57.13E</td> </tr> <tr> <td>(E) 13-42.60N</td> <td>070-26.30E</td> <td>(F) 14-38.38N</td> <td>073-23.41E</td> </tr> <tr> <td>(G) 13-41.68N</td> <td>073-45.90E</td> <td>(H) 12-43.85N</td> <td>070-51.60E</td> </tr> <tr> <td>(J) 12-09.25N</td> <td>074-36.88E</td> <td>(K) 11-01.06N</td> <td>072-24.03E</td> </tr> <tr> <td>(L) 11-43.58N</td> <td>073-45.38E</td> <td>(M) 06-42.55N</td> <td>075-45.85E</td> </tr> <tr> <td>(N) 08-51.35N</td> <td>072-20.63E</td> <td>(P) 09-09.80N</td> <td>076-05.96E</td> </tr> <tr> <td>(Q) 09-28.30N</td> <td>074-48.13E</td> <td>(R) 08-54.98N</td> <td>075-03.56E</td> </tr> <tr> <td>(S) 08-24.41N</td> <td>072-52.66E</td> <td>(T) 08-05.78N</td> <td>075-26.38E</td> </tr> </table> <ol style="list-style-type: none"> <li>2. The vessel is towing single streamers of length 12000 metres at maximum depth of 09 meters. The end of streamer is marked by yellow tail buoy with white flashing light.</li> <li>3. All vessels operating in the area are requested to give wide berth and exercise caution.</li> <li>4. Cancel this message on 11 Jun 2009.</li> </ol>	(A) 17-05.28N	070-57.65E	(B) 16-10.68N	071-38.18E	(C) 14-21.70N	072-30.71E	(D) 13-26.08N	072-57.13E	(E) 13-42.60N	070-26.30E	(F) 14-38.38N	073-23.41E	(G) 13-41.68N	073-45.90E	(H) 12-43.85N	070-51.60E	(J) 12-09.25N	074-36.88E	(K) 11-01.06N	072-24.03E	(L) 11-43.58N	073-45.38E	(M) 06-42.55N	075-45.85E	(N) 08-51.35N	072-20.63E	(P) 09-09.80N	076-05.96E	(Q) 09-28.30N	074-48.13E	(R) 08-54.98N	075-03.56E	(S) 08-24.41N	072-52.66E	(T) 08-05.78N	075-26.38E
(A) 17-05.28N	070-57.65E	(B) 16-10.68N	071-38.18E																																	
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(S) 08-24.41N	072-52.66E	(T) 08-05.78N	075-26.38E																																	



<p><b>267. India East Coast- Visakhapatnam.</b> Charts 31 32 308 354 3002 3012 INT 706. Seaward firing exercise by Naval Coast Battery from 0001 UTC to 0200 UTC and from 1500 UTC to 1700 UTC on 03 Jun 2009. 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. 3. Cancel this message on 04 Jun 2009.</p>
<p><b>268. India West Coast - Kochi.</b> Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by naval coast battery from 0900 UTC to 1200 UTC on 02 Jun, 05 Jun, 09 Jun, 12 Jun and 15 Jun 2009 respectively. Danger area bounded by</p> <p>(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</p> <p>2. Safe flying height 10000 meters. 3. Cancel this message on 16 Jun 2009.</p>
<p><b>269. India East Coast - Bay Of Bengal.</b> charts 31 352 INT 706 . Survey vessel MV Western Spirit have lost one of their steamer section (a survey equipment) in position 19-42.40N 087-05.20E.</p> <p>2. Mariners to exercise caution.</p>
<p><b>270. India West Coast – Pigeon Island.</b> Charts 22 216 257 272 293 2072 INT 706. Firing practice by Naval Ships and Aircraft on Pigeon island between 0230 UTC to 0930 UTC from 01 Jun to 07 Jun 2009. Danger area 05 nm around pigeon island.</p> <p>2. Safe flying height 12000 metres. 3. Cancel this message on 08 Jun 2009.</p>

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
IX	Persian Gulf, Red Sea, NW Arabian Sea	094	<b>2007 Series:</b> 062 095 172 200 212. <b>2008 Series:</b> 022 027 044 045 046 051 061 069 089 105 107 128 176 179 182 191 202 207 211 213 216. <b>2009 Series:</b> 001 002 010 024 035 040 043 062 077 078 081 082 085 086 087 088 089 090 091 092 093 094.
X	Australia, New Guinea	105	<b>2009 Series:</b> 044 048 060 072 083 084 085 086 088 089 090 092 096 099 100 102 103 104 105.

XI	Malacca Strait, China Sea, N. Pacific	0310	<b>2001 Series:</b> 0775. <b>2003 Series:</b> 0106. <b>2004 Series:</b> 0361. <b>2005 Series:</b> 0307. <b>2007 Series:</b> 0002 0093 0133 0309 0344 0366 0513 0519 0523 0557 <b>2008 Series:</b> 0054 0113 0160 0210 0219 0322 0336 0347 0348 0349 0350 0352 0375 0380 0384 0398 0411 0475 0618 0675 0677. <b>2009 Series:</b> 0079 0120 0125 0171 0215 0244 0251 0259 0263 0265 0266 0281 0303 0307 0308
XII	N.E. Pacific	231	<b>2009 Series:</b> Nil
XIII	N.W. Pacific	053 of 08	<b>2009 Series:</b> Nil
XIV	S.W. Pacific	014	<b>2008 Series:</b> 085. <b>2009 Series:</b> 014.
XV	S.E. Pacific	040	<b>2009 Series:</b> Nil
XVI	E. Pacific	041	<b>2009 Series:</b> Nil
Hydropacs	Pacific, Indian Ocean	955	<b>2008 Series:</b> 1140 1141 1473. <b>2009 Series:</b> 687
Hydroplants	Atlantic, Mediterranean	911	<b>2008 Series:</b> 300. <b>2009 Series:</b> Nil

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

**NIL**

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

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D6464	- S Breakwater. Head	29 51-9 S 31 03-8 E	Fl(2)W 5s	13	17	White round concrete structure 6	<i>fl 0-03, ec 1-21, fl 0-03, ec 3-73.</i> <b>TE 2009</b> *
D7091-475	Marine Nature Reserve. Roche aux Oiseaux. BG1	21 17-3 S 55 20-4 E	Fl Y 4s	..	..	Yellow × on yellow Buoyant beacon	Entry to the sanctuary in any way is prohibited * *
D7091-476	Marine Nature Reserve. Étang - Salé. BGR7	21 16-4 S 55 19-4 E	Fl(4)Y 15s	..	..	Yellow × on yellow buoyant beacon	* *
D7091-477	Marine Nature Reserve. Étang - Salé. BS9	21 16-2 S 55 19-5 E	Fl Y 2-5s	..	..	Yellow × on yellow buoyant beacon	Marks seaward limit of sanctuary *
D7091-478	Marine Nature Reserve. Étang - Salé. BS8	21 16-0 S 55 19-5 E	Fl Y 2-5s	..	..	Yellow × on yellow buoyant beacon	Marks seaward limit of sanctuary *
D7091-479	Marine Nature Reserve. Étang - Salé. BGR6	21 15-8 S 55 18-9 E	Fl Y 4s	..	..	Yellow × on yellow buoyant beacon	* *
D7091-486	Marine Nature Reserve. Saint Leu. PR25	21 09-8 S 55 17-2 E	Fl(3)G 12s	..	..	Δ on green buoyant beacon	* *
D7401	- GIIC. Ldg Lts 332°52'. Front	26 11-7 N 50 40-9 E	Q W	8	6	Black Δ, white stripes, on framework tower	Vis 327-8°-337-8°(10°) *
D7401-1	- GIIC. Ldg Lts 332°52'. Rear. 190m from front	26 11-7 N 50 40-9 E	Q(2)W 2s	15	6	White Δ on ∇, black stripes, on framework tower	Vis 327-8°-337-8°(10°) *
D7575-6	- Beacon No S8	28 48-7 N 48 25-9 E	Q(3)W 10s	..	5	Black pile, yellow band	<b>TE; replaced by light buoy Q(3)W 10s 5M in situ (T) 2009</b> *
F1557	Alur Barat Laut (NW Channel). Batu Mandi	4 16-0 N 100 33-0 E	Q W	7	5	Framework tower 7	Fishing *
F1669	Permatang Alur Mudah. Mudah Selatan	1 25-1 N 103 11-1 E	Fl(3)W 15s	26	16	White round GRP tower on piled platform	ALRS Vol 2 Station 79950. <b>TD 2009</b> *
F1701-86	Remove from list. Replaced by light buoy	..	Racon	..	..	..	* *
F1822	Pulau Mungging	1 21-7 N 104 17-9 E	Fl W 3s	24	15	White metal tower, framework base 8	<i>fl 0-3</i> ALRS Vol 2 Station 80390. <b>TD 2009</b> *
K1076	- E Mole. Head (I)	6 04-8 S 106 53-0 E	Fl WR 4s	22	12	Red □ & on red beacon 20	<i>fl 0-5.</i> W294°-354°(60°), R354°-294°(300°). <b>TE; Fl R 4s 11m 6M in situ (T) 2009</b> *

**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. 10 dated 16 May 2009)*

**NIL**

**BA, VOLUME 3 Part 1, NP 283(1), 2006/07**

*(Last correction: Edition No. 15 dated 01Aug 2006)*

**NIL**

**INP 31(5), 1997**

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

**NIL**

**INP 31(6), 2005**

*(Last correction: Edition No. 09 dated 01 May 2009)*

**NIL**

## **SECTION – IX: REPORTING OF NAVIGATIONAL DANGERS**

*Instructions for raising Hydrographic Note (Form IH 102) [Enclosed with editions 1,7,13 & 19 of N to M]*

### **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,  
Post Box No. 75, Dehradun - 248 001  
(UTTARAKHAND), INDIA  
e-mail: - inho@dataone.in; inho\_marinesafety@dataone.in  
          inho\_navwarnings@dataone.in; inho\_helpdesk@dataone.in  
Fax No.: (0135) 2748373  
WEB: www.hydrobharat.nic.in

### **Instructions for filling up Form IH 102 (Enclosed with editions 1,7,13 & 19 of N to M)**

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.