



INDIAN NOTICES TO MARINERS FOR 2009

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

EDITION No. 04 DATED 16 FEB 2009

(CONTAINS NOTICES 099 TO 110)

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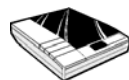
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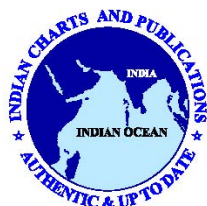
Mariner's Obligation and A Chart Maker's Plea. Observing changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Govt. 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
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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. 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. 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 ELECTRONIC NAVIGATIONAL CHART**

<i>Sl. No.</i>	<i>Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
NIL				

(b) NEW EDITION ELECTRONIC NAVIGATIONAL CHART

<i>Sl. No.</i>	<i>Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
1.	IN52017N	2017	NAVLAKHI AND APPROACHES	31-05-2008
2.	IN54018A	4018	PORT ANSON	15-09-2008

(c) ENCs PERMANENTLY WITHDRAWN

<i>Sl. No.</i>	<i>Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Publication Date</i>
1.	IN52017N	2017	NAVLAKHI AND APPROACHES	30-11-2002
2.	IN54018A	4018	PORT ANSON	30-04-2003

(d) FORTHCOMING CHARTS

CHART NO	TITLE	SCALE	REMARKS
2501	NORTH MALE ATOLL AND APPROACHES	50 000	New Chart
2505	APPROACHES TO MATHURIN HARBOUR	50 000	New Chart
358 (INT 7394)	APPROACHES TO PALK BAY	300 000	New Edition

AVAILABILITY OF ENCs:

The complete folios of Official Indian ENCs are distributed worldwide through JEPPESEN MARINE (formerly C-MAP) and UKHO. UKHO distributes Indian ENCs 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 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: in的角度@dataone.in Website: www.hydrobharat.nic.in	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: info@c-map.co.in Website: www.c-map.co.in	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
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SECTION – I**List of charts affected by****The Notices 099 to 110 contained in this Edition**

CHART NUMBER	FOLIO NO.	NOTICE NO.
31	5	109(T)
32 (INT 754)	5	107(T),108(T), 109(T)
33	5	108(T)
203 (INT 7319)	2	104(T)
215	3	100
224	4	107(T)
262	4	107(T)
289	1	103
313	5	109(T)
317	4	107(T)
354 (INT 7408)	5	102
355 (INT 7405)	5	102
356(INT 7400)	5	109(T)
357(INT 7397)	5	108(T)
358 (INT 7394)	4	107(T)
391	5	102
2016 (INT 7336)	3	106(T)
2023	4	101
2068	2	104(T)
2079	2	099
2083	2	099
2100	2	105(T)
8004	1	103
8008	1	110(T)

***101/(04/09) INDIA – LAKSHADWEEP – Kavaratti Island – Mooring Buoy.**

Source: INS Sarvekshak ROS D(N) 181

(HJ/1030/07)

Chart 2023 [previous update 038/09]

Insert



10° 34′.38N., 72° 39′.08E.

***102/(04/09) INDIA – EAST COAST – Sacramento Shoal to Kalingapatnam – Pipeline.**

Source: Reliance Industries Ltd

(HJ/1029/67)

Chart 391 [previous update NC 31 Dec 08] (WGS 84 Datum)

Insert

Submarine Pipeline, , joining;

16° 42′.2N., 82° 40′.1E.
 16° 39′.9N., 82° 39′.4E.
 16° 39′.1N., 82° 38′.7E.
 16° 38′.4N., 82° 36′.8E.
 16° 37′.8N., 82° 32′.4E.
 16° 37′.5N., 82° 29′.8E.
 16° 38′.5N., 82° 28′.1E.
 16° 39′.7N., 82° 27′.6E.(CRP)

legend ‘ GAS’ centered on

16° 38′.4N., 82° 35′.0E.

Chart 354(INT 7408) [previous update 040/09]

Insert


Submarine Pipeline, , joining;

16° 42′.14N., 82° 40′.21E.
 16° 41′.54N., 82° 40′.01E.
 16° 40′.34N., 82° 39′.71E.
 16° 39′.84N., 82° 39′.51E.
 16° 39′.04N., 82° 38′.81E.
 16° 38′.84N., 82° 38′.51E.
 16° 38′.64N., 82° 38′.01E.
 16° 38′.34N., 82° 36′.91E.
 16° 38′.24N., 82° 36′.31E.
 16° 38′.04N., 82° 35′.31E.
 16° 37′.94N., 82° 34′.21E.
 16° 37′.84N., 82° 33′.41E.
 16° 37′.74N., 82° 32′.51E.
 16° 37′.44N., 82° 31′.31E.
 16° 37′.44N., 82° 29′.91E.
 16° 37′.74N., 82° 28′.91E.
 16° 38′.44N., 82° 28′.21E.
 16° 38′.84N., 82° 27′.91E.
 16° 39′.60N., 82° 27′.70E.(CRP)

legend ‘ GAS’ centered on

16° 38′.40N., 82° 35′.00E.

102/(04/09) INDIA – EAST COAST – Sacramento Shoal to Kalingapatnam – Pipeline.(Continued)*Chart 355(INT 7405)** [previous update 412/08]

Insert	Submarine Pipeline,  , joining;	16° 42′.14N., 82° 40′.21E.
		16° 41′.54N., 82° 40′.01E.
		16° 40′.34N., 82° 39′.71E.
		16° 39′.84N., 82° 39′.51E.
		16° 39′.04N., 82° 38′.81E.
		16° 38′.84N., 82° 38′.51E.
		16° 38′.64N., 82° 38′.01E.
		16° 38′.34N., 82° 36′.91E.
		16° 38′.24N., 82° 36′.31E.
		16° 38′.04N., 82° 35′.31E.
		16° 37′.94N., 82° 34′.21E.
		16° 37′.84N., 82° 33′.41E.
		16° 37′.74N., 82° 32′.51E.
		16° 37′.44N., 82° 31′.31E.
		16° 37′.44N., 82° 29′.91E.
		16° 37′.74N., 82° 28′.91E.
		16° 38′.44N., 82° 28′.21E.
		16° 38′.84N., 82° 27′.91E.
		16° 39′.60N., 82° 27′.70E.(CRP)
	legend ‘ GAS’ centered on	16° 38′.40N., 82° 35′.00E.

103/(04/09) IRAN - Jazirehye Qeshm - Qeshm South-westwards - Buoy.

Source: BA Notice 529/09

(HJ/1132/63)

Chart 289 [previous update 051/09] WGS84 DATUM

Insert	 Fl(4)	26° 55′.1N., 56° 14′.7E.
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Chart 8004 [previous update 051/09] WGS84 DATUM

Insert	 Fl(4)15s	26° 55′.06N., 56° 14′.70E.
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SECTION – III: TEMPORARY AND PRELIMINARY NOTICES

***104(T)/(04/09) INDIA – WEST COAST – Gulf of Kachchh – Salaya Channel – Buoy.**

Source: DLL Jamnagar

(HJ/1131/20)

1. Salaya Channel marking buoy Dhani at Position 22° 36′.90N, 69° 27′.70E retrieved for maintenance.
2. Salaya Channel marking buoy, Narara Re-laid after maintenance.
3. Mariners to exercise Caution.
4. ***Cancel former INM 081(T)/09.***

Charts affected – 203(INT 7319) – 2068.

***105(T) (04/09) INDIA – West Coast – Approaches to Port Pipavav – Port Pipavav – Dredging.**

Source: Port Pipavav

(HJ/1130/08)

1. Dredging is under progress in the area of Port Pipavav.
2. Port Control may be contacted for details.
3. Mariners to exercise caution.
4. ***Cancel this notice on 15 Jun 09.***

Chart affected – 2100.

***106(T) (04/09) INDIA – West Coast – Inner approaches to Mumbai – Obstruction.**

Source: NAVAREA VIII Warning 353/08 and JNPT Mumbai

(HJ/1030/87)

1. Motor Vessel Dubai lost her Starboard Anchor along with five shackles in position 18-49.5N., 072-36.9E.
2. Mariners to exercise caution.

Chart affected – 2016(INT 7336).

***107(T)/(04/09) INDIA – EAST COAST – Cape Comorin to Pamban –Seismic Survey.**

Source: NAVAREA VIII Warnings 075/09.

(HJ/930/81)

1. Seismic Survey will be carried out by vessel Geco Topaz from 10 Feb to 20 Mar 2009 in area bounded by:

(a)	08-39.0N	078-41.0E	(b)	08-23.0N	078-53.0E
(c)	08-45.0N	079-22.0E	(d)	09-01.0N	079-10.0E

2. Vessel towing 06 cable of 05 NM long attached to a tail buoy with white flashing light at end of cable.
3. All vessels operating in vicinity to give 06 NM clearance and exercise caution.
4. ***Cancel this Notice on 21 Mar 2009.***
5. ***Cancel former INM 616(T)/08.***

Charts affected – 32(INT 754) – 262 – 224 - 358(INT 7394) - 317.

***108(T)/(04/09) INDIA – EAST COAST – Point Calimere to Chennai (Madras) –Seismic Survey.**

Source: NAVAREA VIII Warnings 081/09.

(HJ/1029/19)

1. Seismic Survey in progress by MV Viking II till 20 Apr 2009 in area bounded by

(a)	11-59.40N	080-07.81E	(b)	11-37.57N	079-57.28E
(c)	11-41.15N	080-08.00E	(d)	11-26.65N	080-31.90E
(e)	11-19.06N	080-34.50E	(f)	11-26.71N	080-57.56E
(g)	12-10.93N	080-42.48E			
2. Vessel towing 08 streamer cables of 8500 metres long and 1000 metres wide marked by a yellow tail buoy with white flashing light and radar reflector.
3. All vessels operating in vicinity are to keep a safe distance of 06 NM and exercise caution.
4. **Cancel this Notice on 21 Apr 2009.**

Charts affected – 32(INT 754) – 33 - 357(INT 7397).***109(T)/(04/09) INDIA – EAST COAST – Mamallapuram (Mahabalipuram) to Point Pudi –Seismic Survey.**

Source: NAVAREA VIII Warnings 077/09.

(HJ/1029/49)

1. Seismic Survey in progress by Ramform Explorer till 10 Apr 2009 in area bounded by

(a)	14-08.57N	080-38.52E	(b)	14-15.17N	080-55.12E
(c)	13-32.88N	081-10.00E	(d)	13-26.30N	080-52.29E
2. Vessel towing 8 in number 8600 metre long streamer cable astern and each attached to yellow coloured tail buoy with white flashing light and radar reflector.
3. All vessels operating in vicinity are to give wide berth of 05 NM and exercise caution.
4. **Cancel this Notice on 11 Apr 2009.**

Charts affected – 31 – 32(INT 754) – 356(INT 7400) – 313.***110(T)/(04/09) INDIAN OCEAN – Cabo Delgado to Lamu Bay – United Republic of Tanzania – Met Ocean Buoys.**

Source: Tanzania Port Authority

(HJ/833/29)

1. Four marine oceanographic and meteorological instruments have been installed on buoys in deep water along the coast of Tanzania at the following positions:

BUOY	PARAMETER MEASURED	POSITION	
C1	Current	07°10'.00S	040°30'.00E
C2	Current	07°24'.00S	040°95'.00E
C3	Current	09°00'.00S	039°95'.00E
W2	Waves	08°03'.00S	041°50'.00E

2. The wave buoy (W2) is the only one of the four which will have a surface structure.
3. All vessels are to keep a safe distance of 02 NM from the buoy positions and exercise caution.
4. The instruments will remain on site for One Year.
5. **Cancel this Notice on 31 March 2010.**

Chart affected – 8008.

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>*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: info@c-map.co.in</p>	<p>*JEPPESEN MARINE Jeppesen Norway AS P.O. 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: info@c-map.no Site: www.c-map.no</p>	<p>C-Map US Commercial 133 Falmouth Road, Building 2, Postal Code: 02649, Mashpee, MA, America Ph: +1 (508) 477 8010 Fax: +1 (508) 539 4381 Email: info@c-map.com</p>
<p>C-Map (UK) Ltd. Systems House Delta Business Park Salterns Lane, Fareham, PO16 0QS, United Kingdom, Ph: +44 (0) 1329 517777 Fax: +44 (0) 1329 517778 Email: info@c-map.co.uk</p>	<p>Mari-Sys Pte Ltd. 20 Ayer Rajah Crescent, 08-21, SE 139964, Republic of Singapore Ph: +65 6776 1898 Email: info@mari-sys.com</p>	<p>Bogerd Martin NV, Oude Leeuwenrui 37 2000 Antwerp, Belgium Ph: +32 (3) 2134170 Fax: +32 (3) 2326167 Email: sales@martin.be Site: www.martin.be</p>
<p>Bogerd Martin Tianjin(China Branch) 2-B101 FTZ Hi-Tech Development Centre 131 Haibin 9 Road 300461 Tianjin China Ph: +86 22 257 62 721 Fax: +86 22 257 62 722 Email: charts-tj@martincn.com</p>	<p>C-Map Holland Paleiskade100 PO Box 7 1781 AR Den Helder, Holland Ph: +31 223 616 700 E Mail: CorMallie cor@chartworx.nl</p>	
<p>* Indicates C Map Norway AS has changed name to Jeppesen Marine Norway AS. Indicates C Map India has changed name to Jeppesen India.</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 12 Feb 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	027	2007 Series: 019 050 247 293. 2008 Series: 200 341 377 387 391. 2009 Series: 007 009 019 027.
II	E. Atlantic	023	2008 Series: 337 351 355. 2009 Series: 007 008 016 017 021 023.
III	Mediterranean	056	2008 Series: 412 512 534 535 540 543 544 547 555 556. 2009 Series: 005 019 024 025 031 032 034 035 040 041 042 043 046 047 049 051 052 053 054 055 056.
IV	N.W. Atlantic	032	2009 Series: Nil
V	W. Atlantic	282	2007 Series: 1078. 2009 Series: Nil.
VI	S.W. Atlantic	058	2009 Series: Nil.
VII	S.E. Atlantic	036	2009 Series: 018 019 021 022 023 024 025 026 028 029 033 034 035 036.
VIII	Indian Ocean	083	2008 Series - 353 2009 Series - 012 028 039 044 056 057 060 061 065 066 067 068 069 070 071 073 075 076 077 078 079 080 081 082 083

3. NAVAREA Warnings issued during the period from 30 Jan 09 to 12 Feb 09 (both dates inclusive) are as tabulated below:-

062 to 064.	Cancelled.																														
065.	Cancel NAVAREA VIII message 059 of 2009. Bay of Bengal – Northern Portion. Charts 31 INT 73 INT 706. Srilankan fishing boat MAX 2 REGN No IMUL-A-0053 CBO adrift in position 16-50.0N., 090-15.0E due to engine failure 2. Mariners to exercise caution.																														
066.	Cancel NAVAREA VIII Message 010 and 045 of 2009. India West Coast – Arabian Sea. 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: <table border="0" style="width: 100%;"> <tbody> <tr> <td>ABAN III</td> <td align="center">19-15.28N</td> <td align="center">071-29.85E</td> </tr> <tr> <td>ABAN IV</td> <td align="center">18-45.23N</td> <td align="center">072-18.00E</td> </tr> <tr> <td>ABAN V</td> <td align="center">19-34.25N</td> <td align="center">071-17.87E</td> </tr> <tr> <td>BADRINATH</td> <td align="center">19-02.66N</td> <td align="center">070-45.32E</td> </tr> <tr> <td>JT ANGEL</td> <td align="center">19-24.10N</td> <td align="center">071-23.06E</td> </tr> <tr> <td>KEDARNATH</td> <td align="center">20-15.45N</td> <td align="center">071-50.49E</td> </tr> <tr> <td>NOBLE CHARLIE YESTER</td> <td align="center">19-17.78N</td> <td align="center">071-20.67E</td> </tr> <tr> <td>NOBLE ED HOLT</td> <td align="center">18-33.63N</td> <td align="center">072-14.94E</td> </tr> <tr> <td>PRIDE PENNSYLVANIA</td> <td align="center">19-32.00N</td> <td align="center">071-19.16E</td> </tr> <tr> <td>PRIDE HAWAI</td> <td align="center">18-31.88N</td> <td align="center">072-16.74E</td> </tr> </tbody> </table>	ABAN III	19-15.28N	071-29.85E	ABAN IV	18-45.23N	072-18.00E	ABAN V	19-34.25N	071-17.87E	BADRINATH	19-02.66N	070-45.32E	JT ANGEL	19-24.10N	071-23.06E	KEDARNATH	20-15.45N	071-50.49E	NOBLE CHARLIE YESTER	19-17.78N	071-20.67E	NOBLE ED HOLT	18-33.63N	072-14.94E	PRIDE PENNSYLVANIA	19-32.00N	071-19.16E	PRIDE HAWAI	18-31.88N	072-16.74E
ABAN III	19-15.28N	071-29.85E																													
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NOBLE ED HOLT	18-33.63N	072-14.94E																													
PRIDE PENNSYLVANIA	19-32.00N	071-19.16E																													
PRIDE HAWAI	18-31.88N	072-16.74E																													

RON TAPMEYER	19-12.00N	072-11.00E			
RANDOLPH YOST	19-05.34N	072-06.88E			
SAGAR GAURAV	19-40.42N	071-19.39E			
SAGAR LAXMI	18-36.16N	071-01.64E			
SAGAR PRAGATI	19-38.26N	071-19.93E			
SAGAR RATNA	18-39.57N	072-09.37E			
SAGAR SAMRAT	19-32.13N	071-18.82E			
SAGAR SHAKTI	19-11.56N	071-58.67E			
SAGAR UDAY	19-16.26N	071-29.06E			
SAGAR KIRAN	17-49.11N	072-36.91E			
TRIDENT – 2	19-26.06N	071-24.26E			
TRIDENT – 12	19-27.80N	071-16.83E			
CE THORONTON	19-53.35N	071-14.50E			
FG McCLINTOCK	20-06.27N	071-25.56E			
DISCOVERY – 1	20-20.16N	072-01.35E			
DEEP DRILLER 4	19-19.28N	072-00.48E			
ENERGY DRILLER	10-00.03N	075-38.85E			
NOBLE GEORGE McLEOD	20-43.72N	072-19.06E			
VIRTUE 1	19-25.35N	071-19.56E			
2.	Wide berth requested.				
067. Cancel NAVAREA VIII Messages 011 029 041 and 046 of 2009. India East Coast–Bay of Bengal. Charts 31 32 33 301 351 352 353 354 355 356 357 3009 INT 706. Present position of Oil Rigs / Drill Ships as follows					
ATWOOD BEACON	16-40.90N	082-28.60E			
DEEP WATER FRONTIER	16-11.60N	082-34.40E			
SAGAR VIJAY	16-35.70N	082-27.30E			
HERCULES 260	16-19.30N	081-47.00E			
DEEP DRILLER I	16-41.80N	082-28.80E			
ABAN II	09-27.90N	078-58.60E			
PERRO NEGRO III	16-40.10N	082-25.70E			
DISCOVERER 534	16-32.40N	082-31.90E			
HERCULES 258	16-37.10N	082-22.20E			
SAGAR JYOTI	16-22.10N	081-59.40E			
DEEPWATER EXPEDITION	16-41.80N	082-41.90E			
ACTINIA	11-16.40N	080-01.00E			
SAGAR BHUSHAN	16-15.60N	082-11.20E			
DISCOVERER SEVEN SEAS	16-03.50N	081-44.30E			
DEEPSEA MATDRILL	16-22.10N	081-57.80E			
ESSAR WILD CAT	16-42.30N	082-32.20E			
2.	Wide berth requested.				
068. India West Coast – Arabian Sea. Charts 21 INT 705. Seismic Survey is in progress by Northern Explorer till 15 Feb 2009 in area bounded by					
(a)	21-20.00N	067-20.00E	(b)	21-20.00N	067-04.00E
(c)	23-18.00N	068-00.00E	(d)	23-02.30N	068-13.18E
2.	Vessel is towing one streamer of 07 NM length mark by a yellow tailbuoy equipped with white flashing light.				
3.	All vessels operating in vicinity are to maintain a clearance of 09 NM and exercise caution.				
4.	Cancel this message on 16 Feb 2009.				
069. India West Coast – Pigeon Island. Charts 22 216 257 2072 INT 706. Firing practice by Naval Ships and Aircraft on Pigeon Island between 0430 UTC to 0700 UTC from 15 Feb to 21 Feb. Danger area 10 NM around Pigeon Island					
2.	Safe flying height 3500 metres.				
3.	Cancel this message on 22 Feb 2009.				

070. India West Coast- Arabian Sea. Charts 21 22 INT 705. Firing exercise by Naval Ships on following dates. Danger area as follows:

<u>Date</u>	<u>Time (UTC)</u>	<u>Area</u>		<u>Safe Flying Height</u>
10 Feb 09	(0130 – 0530)	18-01.0N 17-24.0N 17-41.0N 18-17.0N	070-37.0E 070-55.0E 071-32.0E 071-15.0E	6000 metre
<u>Area</u>				
12 Feb and 13 Feb 09	(0130 - 0430) (1330 – 1730)	19-32.0N 19-23.0N 18-45.0N 18-52.0N	068-48.0E 067-55.0E 069-20.0E 070-00.0E	2000 metre
<u>Area</u>				
12 Feb and 13 Feb 09	(0130 - 0430) (1330 – 1730)	15-02.0N 17-03.0N 17-20.0N 15-37.0N	072-37.0E 073-05.0E 071-40.0E 071-03.0E	2000 metre
<u>Area</u>				
12 Feb and 13 Feb 09	(0130 - 0430) (1330 – 1730)	13-56.0N 12-09.0N 12-09.0N 13-07.0N	071-11.0E 073-58.0E 072-12.0E 071-53.0E	2000 metre

2. Cancel this message on 14 Feb 2009.

071. India West Coast - Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval Coast Battery from 0900 UTC to 1200 UTC on 06 Feb 10 Feb and 13 Feb 2009. Danger area bounded by

(a)	09-58.08N	076-13.94E	(b)	09-58.08N	075-59.94E
(c)	09-43.08N	075-59.94E	(d)	09-44.08N	076-17.94E

2. Safe flying height 10000 metres

3. Cancel this message on 14 Feb 2009

072. Cancelled.

073. India West Coast- Arabian Sea. Charts 21 INT 705. Firing by Naval Ships from 0130 UTC to 0530 UTC on 13 Feb 2009. Danger area bounded by

(a)	15-03.0N	072-30.0E	(b)	14-38.0N	072-56.0E
(c)	15-30.0N	072-58.0E	(d)	15-05.0N	073-24.0E

2. Safe flying height 6000 metres.

3. Cancel this message on 14 Feb 2009.

074. Cancelled.

075. India East Coast – Cape Comorin to Pamban. Charts 32 262 INT 706. Seismic survey will be carried out by vessel Geco Topaz from 10 Feb to 20 Mar 2009 in area bounded by:

(a)	08-39.0N	078-41.0E	(b)	08-23.0N	078-53.0E
(c)	08-45.0N	079-22.0E	(d)	09-01.0N	079-10.0E

2. Vessel towing 06 cable of 05 NM long attached to a tail buoy with white flashing light at end of cable.

3. All vessels operating in vicinity to give 06 NM clearance and exercise caution.

4. Cancel this message on 21 Mar 2009.

<p>076. India West Coast - Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval Coast Battery from 0900 UTC to 1200 UTC and 1230 UTC to 1430 UTC on 17 Feb and 20 Feb 2009 respectively. Danger area bounded by:</p> <table> <tr> <td>(a)</td> <td>09-58.08N</td> <td>076-13.94E</td> <td>(b)</td> <td>09-58.08N</td> <td>075-59.94E</td> </tr> <tr> <td>(c)</td> <td>09-43.08N</td> <td>075-59.94E</td> <td>(d)</td> <td>09-44.08N</td> <td>076-17.94E</td> </tr> </table> <p>2. Safe flying height 10000 metres. 3. Cancel this message on 21 Feb 2009.</p>	(a)	09-58.08N	076-13.94E	(b)	09-58.08N	075-59.94E	(c)	09-43.08N	075-59.94E	(d)	09-44.08N	076-17.94E												
(a)	09-58.08N	076-13.94E	(b)	09-58.08N	075-59.94E																			
(c)	09-43.08N	075-59.94E	(d)	09-44.08N	076-17.94E																			
<p>077. India East Coast – Bay of Bengal. Charts 31 32 356 INT 706 .Seismic survey in progress by Ramform Explorer till 10 Apr 2009 in area bounded by:</p> <table> <tr> <td>(a)</td> <td>14-08.57N</td> <td>080-38.52E</td> <td>(b)</td> <td>14-15.17N</td> <td>080-55.12E</td> </tr> <tr> <td>(c)</td> <td>13-32.88N</td> <td>081-10.00E</td> <td>(d)</td> <td>13-26.30N</td> <td>080-52.29E</td> </tr> </table> <p>2. Vessel towing 8 in number 8600 metres long streamer cable astern and each attached to yellow coloured tail buoy with white flashing light and radar reflector. 3. All vessels operating in vicinity are to give wide berth of 05 NM and exercise caution. 4. Cancel this message on 11 Apr 2009.</p>	(a)	14-08.57N	080-38.52E	(b)	14-15.17N	080-55.12E	(c)	13-32.88N	081-10.00E	(d)	13-26.30N	080-52.29E												
(a)	14-08.57N	080-38.52E	(b)	14-15.17N	080-55.12E																			
(c)	13-32.88N	081-10.00E	(d)	13-26.30N	080-52.29E																			
<p>078. Refer NAVAREA VIII message 067 of 2009. India East Coast –Bay of Bengal. Charts 31 32 355 INT 706. Rig Deepwater Expedition moved to new position 16-11.65N., 082-34.38E. 2. Wide berth requested.</p>																								
<p>079. Refer NAVAREA VIII message 067 of 2009. India East Coast – Bay of Bengal. Charts 31 32 355 INT 706. Drill ship Deepwater Frontier moved to new position 16-41.81 N., 082-41.52 E. 2. Wide berth requested.</p>																								
<p>080. Refer NAVAREA VIII message 066 of 2009. India West Coast – Arabian Sea. Charts 21 22 211 255 293 INT 705. Rig Sagar Kiran moved to new position 18-41.22N., 072-31.81E. 2. Wide berth requested.</p>																								
<p>081. Cancel NAVAREA VIII message 526 of 2008. India East Coast-Bay of Bengal. Charts 32 33 357 INT 706. Seismic survey in progress by Viking-II till 20 Apr 2009 in area bounded by:</p> <table> <tr> <td>(a)</td> <td>11-59.40N</td> <td>080-07.81E</td> <td>(b)</td> <td>11-37.57N</td> <td>079-57.28E</td> </tr> <tr> <td>(c)</td> <td>11-41.15N</td> <td>080-08.00E</td> <td>(d)</td> <td>11-26.65N</td> <td>080-31.90E</td> </tr> <tr> <td>(e)</td> <td>11-19.06N</td> <td>080-34.50E</td> <td>(f)</td> <td>11-26.71N</td> <td>080-57.56E</td> </tr> <tr> <td>(g)</td> <td>12-10.93N</td> <td>080-42.48E</td> <td></td> <td></td> <td></td> </tr> </table> <p>2. Vessel towing 08 streamer cables of 8500 metres long and 1000 metres wide marked by a yellow tail buoy with white flashing light and radar reflector. 3. All vessels operating in vicinity are to keep a safe distance of 06 NM and exercise caution. 4. Cancel this message on 21 Apr 2009.</p>	(a)	11-59.40N	080-07.81E	(b)	11-37.57N	079-57.28E	(c)	11-41.15N	080-08.00E	(d)	11-26.65N	080-31.90E	(e)	11-19.06N	080-34.50E	(f)	11-26.71N	080-57.56E	(g)	12-10.93N	080-42.48E			
(a)	11-59.40N	080-07.81E	(b)	11-37.57N	079-57.28E																			
(c)	11-41.15N	080-08.00E	(d)	11-26.65N	080-31.90E																			
(e)	11-19.06N	080-34.50E	(f)	11-26.71N	080-57.56E																			
(g)	12-10.93N	080-42.48E																						
<p>082. Self Cancelling. Cancel NAVAREA VIII message 358 of 2008.</p>																								
<p>083. Self Cancelling. Cancel NAVAREA VIII message 058 of 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	024	2007 Series: 062 095 155 172 200 212. 2008 Series: 022 027 044 045 046 051 061 069 089 105 107 128 176 179 182 184 191 199 201 202 203 207 211 213 216 244. 2009 Series: 001 002 003 009 010 020 023 024.
X	Australia, New Guinea	027	2008 Series: 340 353 368 370 374 390 401. 2009 Series: 007 014 016 018 020 023 026 027.
XI	Malacca Strait, China Sea, N. Pacific	0084	2001 Series: 0775. 2003 Series: 0106. 2004 Series: 0361. 2005 Series: 0307. 2007 Series: 0002 0093 0133 0309 0344 0366 0513 0519 0523 0557 2008 Series: 0004 0006 0011 0014 0018 0020 0054 0113 0160 0210 0219 0322 0336 0347 0348 0349 0350 0352 0375 0380 0384 0398 0411 0412 0469 0475 0618 0675 0677. 2009 Series: 0049 0062 0063 0072 0078 0079 0081 0082 0084.
XII	N.E. Pacific	070	2009 Series: Nil
XIII	N.W. Pacific	053 of 2008	2009 Series: Nil
XIV	S.W. Pacific	003	2008 Series: 085 090. 2009 Series: 002 003
XV	S.E. Pacific	006	2009 Series: Nil
XVI	E. Pacific	001	2009 Series: Nil
Hydropacs	Pacific, Indian Ocean	310	2008 Series: 1140 1141 1473 2198 2511. 2009 Series: 247
Hydroplants	Atlantic, Mediterranean	273	2008 Series: 300. 2009 Series: Nil

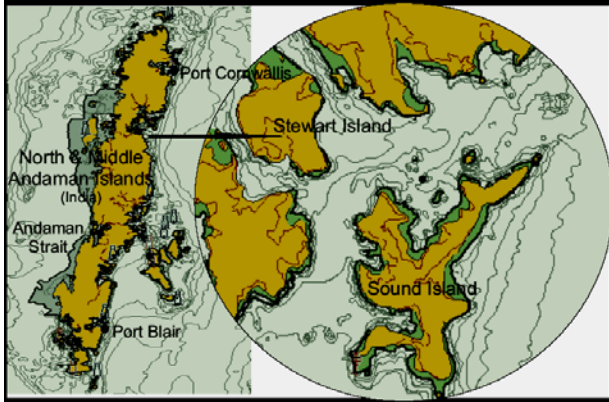
**SECTION – VI: CORRECTIONS TO
SAILING DIRECTIONS (PILOTS)**

Page-286

Bay of Bengal Pilot (INP-2)

Page- 285

Replace existing photograph after Article 8.43 before
Para 1 by:

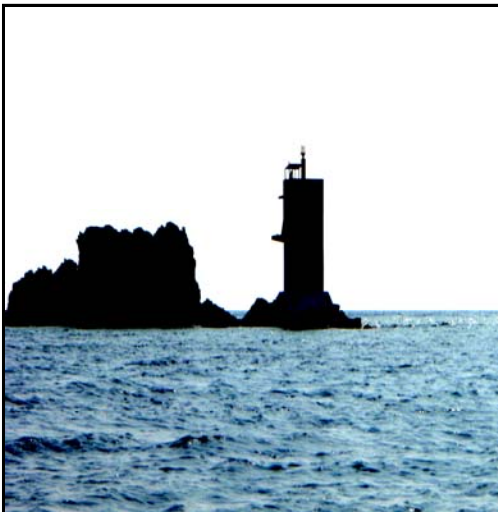


Extract of ENC-IN44008S (Stewart Sound)

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Article 8.43

Replace existing photograph after Para 7 by:



(Photo Courtesy: INS Nirupak)

SQUARE ROCK BEACON

Source: INS Nirupak ROS [M (N)-167]

04/09

Article 8.43,


Add text at the end of Para 22:

A light Fl (2) 7s (F1202.45) is exhibited from a
Composite Masonry Tower (Red and White) at position
(12°54'.75N, 92°56'.30E).

Source: DGLL Port Blair

04/09

SECTION – VII: CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D7283-75	- BFI-4 *	11 35-82 N 43 06-66 E	VQ(9) W 10s	..	3	∇ on yellow beacon, black band	
D7324-4	- Said bin Sultan Naval Base. N Breakwater. Head ----- *	23 49-85 N 57 32-07 E ..	Iso W 4s Racon *	10 ..	7 ..	Grey metal mast 4 ..	ILRS Vol 2 Station 76440 *
D7337	Remove from list						
D7401-15	- GIIC. W Dolphin	26 11-59 N 50 41-07 E	F R	Reported TE 2008 *
D7401-18	- GIIC. E Dolphin	26 11-61 N 50 41-11 E	F R	Reported TE 2008 *
D7683	Shah Allum Shoal * *	26 25-00 N 52 30-00 E * *	Fl(2)W 6s * *	30 * *	18 * *	Black  on black beacon, red band * *	* *
E6142-92	Hanīsh al Kubrá. SW end -- Emergency light --	13 39-96 N 42 40-62 E	Fl W 5s Fl W 5s AIS	200 ..	16 10	White round GRP tower, red bands 6 ..	<i>fl 0-1.</i> Vis 010°-070°(60°). Reported TE 2008 <i>fl 1</i> *
F1029	-Dariapur -- *	21 47.4 N 87 51.9 E ..	Fl(2)W 20s Racon *	30 ..	19 ..	White round concrete tower, black bands 23 ..	<i>fl 1.4, ec 1.9, fl 1.4, ec15.3</i> ILRS Vol 2 Station 76220 TR 2009 *

SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS**INP 31(1), 2005**

(Last correction: Edition No. 02 dated 16 Jan 2009)

NIL

INP 31(2), 2007

(Last correction: Edition No. 03 dated 01 Feb 2009)

Page 24, SAUDI ARABIA (Red Sea Coast) section.

76010, Jizan North Lt Buoy.

Delete position and replace by: 16°56'25N 41°17'28E

BA 04/09

04/09

Page 29, IRAN section.

78510, Jazireh –ye Larak Lt.

Delete entry

BA 04/09

04/09

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. 03 dated 01 Feb 2009)

NIL

INP 31(6), 2005

(Last correction: Edition No. 03 dated 01 Feb 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
 in角度_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.