

# INDIAN NOTICES TO MARINERS



EDITION NO. 08 DATED 16 APR 2010

(CONTAINS NOTICES 115 TO 130)

**REACH US 24 x 7**



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



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## II

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

Observing changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Government of India at the above mentioned address/fax number/ E mail address immediately on discovering new or suspected dangers to navigation, changes/defects pertaining to navigational aids, and 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**



## 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 overloading 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 forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
<b>355 (INT 7405)</b>	<b>RAMAYAPATNAM TO SACRAMENTO SHOAL</b>	3,00,000	New Edition
<b>356 (INT 7400)</b>	<b>CHENNAI TO RAMAYPATNAM</b>	3,00,000	New Edition
<b>2009</b>	<b>BETUL ANCHORAGE; BELEKERI ANCHORAGE</b>	30,000	New Edition
<b>2054</b>	<b>VERAVAL; MADHWAD BAY</b>	25,000	New Edition
<b>2083</b>	<b>APPROACHES TO SIKKA, RELIANCE TANKER BERTHS</b>	37,500	New Edition
<b>3034</b>	<b>APPROACHES TO KRISHNAPATNAM; KRISHNAPATNAM PORT</b>	50,000 15,000	New Edition

2. The Forthcoming Electronic Navigational Charts (ENCs) are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>
<b>IN42073C</b>	<b>2073</b>	<b>APPROACHES TO KUNDAPURA (COONDAPOOR)</b>
<b>IN43034A</b>	<b>3034</b>	<b>APPROACHES TO KRISHNAPATNAM</b>
<b>IN63034K</b>	<b>3034</b>	<b>KRISHNAPATNAM PORT</b>

### Availability of ENCs.

The complete folios of Official Indian ENCs are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian. UKHO distributes Indian ENCs 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:

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@dataone.in in角度_marinesafety@dataone.in in角度_sales@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 India 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	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

## VI

### List of Indian Chart Agents.

<p>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</p>	<p>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</p>
<p>M/s Global Charts &amp; 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</p>	<p>M/s EW Stevens &amp; 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</p>
<p>M/s C &amp; 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</p>	<p>M/s Maririme 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</p>
<p>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 : mahalakshmitravel@hotmail.com</p>	<p>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</p>
<p>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</p>	<p>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</p>

**SECTION – I**

The list of charts affected by the Notices 115 to 130 contained in this edition are as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
31	5	129(T), 130(T)
32(INT 754)	5	129(T), 130(T)
33	5	122, 130(T)
41	6	122
203(INT 7319)	2	126(T), 127(T)
208	2	128(T)
253(INT 7328)	2	117
254(INT 7331)	2	128(T)
255(INT 7334)	3	116,117
262	4	130(T)
286	1	121
353(INT 7413)	5	130(T)
354(INT 7408)	5	129(T),130(T)
356(INT 7400)	5	130(T)
357(INT 7397)	5	130(T)
391	5	129(T),130(T)
471	6	122,123
2008	3	118
2010	3	118
2018(INT 7321)	2	115
2039	2	128(T)
2059(INT 7322)	2	115
2060	2	127(T)
2068	2	126(T),127(T)
2079	2	127(T)
2102	2	128(T)
4003	6	119
4008	6	120
4040	6	120
7070(INT 70)	1	125
7072(INT 72)	1	125
7073(INT 73)	1	125
9001	7	124

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

**\*115/(08/10) INDIA – WEST COAST – Kandla – Sogal Channel – Kandla Creek – Jetties.**

Source: Kandla Port Trust.

(HJ/1030/39)

**Chart 2018 (INT 7321)** [previous update 104/10]

Delete pontoon jetty, joining: 23° 00′.67N., 70° 13′.32E.  
23° 00′.57N., 70° 13′.39E.

**Chart 2059 (INT 7322) (Plan – Kandla Creek)** [previous update 104/10]

Delete pontoon jetty, joining: (a) 23° 00′.640N., 70° 13′.327E.  
(b) 23° 00′.545N., 70° 13′.402E.

legend, “Pontoon Jetty”, along: (a) – (b) above  
pontoon, centred on: 23° 00′.572N., 70° 13′.408E.

**\*116/(08/10) INDIA – WEST COAST – Approaches to Mumbai – Radar Beacon.**

Source: DLL Mumbai.

(HJ/1030/98)

**Chart 255 (INT 7334)** [previous update 107/10]

Insert radar beacon, Racon (D) at platform: 19° 17′.56N., 71° 16′.91E.

**\*117/(08/10) INDIA – WEST COAST – Approaches to Mumbai – Radar Beacon.**

Source: DLL Mumbai.

(HJ/1030/87)

**Chart 253 (INT 7328)** [previous update 238/09]

Insert radar beacon, Racon (B) at platform: 19° 37′.84N., 71° 17′.77E.

**Chart 255 (INT 7334)** [previous update 116/10]


Insert radar beacon, Racon (B) at platform: 19° 37′.84N., 71° 17′.77E.

**\*118/(08/10) INDIA – WEST COAST – Karwar Harbour and Approaches – Karwar Naval Harbour – Buoy.**

Source: INS Jamuna.

(HJ/1030/45)

**Chart 2008** [previous update 389/09]

Insert  14° 44′.862N., 74° 09′.620E.

Delete  14° 44′.365N., 74° 09′.620E.

**Chart 2010** [previous update 292/08]

Insert  14° 44′.862N., 74° 09′.620E.

Delete  14° 44′.365N., 74° 09′.620E.

**\*119/(08/10) INDIA – LITTLE ANDAMAN ISLANDS – Port Cornwallis – Beacon.**

Source: Hydrographic Note - IN LCU L-33.

(HJ/1028/36)

**Chart 4003** [previous update 315/09]

Substitute  Fl. G. 10s for  13° 17′.44N., 93° 02′.56E.



**\*120/(08/10) INDIA – Andaman Islands – Mayabandar Harbour – Beacons.**

Source: Hydrographic Note - IN LCU L-33.

(HJ/1028/27)

**Chart 4040** [previous update 325/09]

Amend	light beacon to, <i>Q.G</i>	12° 55′.933N., 92° 53′.560E.
	light beacon to, <i>Fl.G.5s</i>	12° 56′.250N., 92° 54′.258E.
	light beacon to, <i>Fl.R.4s</i>	12° 55′.690N., 92° 54′.384E.

**Chart 4008** [previous update 067/09]

Amend	light beacon to, <i>Q.G</i>	12° 55′.84N., 92° 53′.79E.
	light beacon to, <i>Fl.G.5s</i>	12° 56′.13N., 92° 54′.45E.
	light beacon to, <i>Fl.R.4s</i>	12° 55′.57N., 92° 54′.58E.

**121/(08/10) OMAN – South East Coast – Approaches to the Port Salalah – Container Termianl North-eastwards and Ra’s Raysut South-westwards – Light.**

Source: BA Notice – 1796/10.

(HJ/1032/65)

**Chart 286** [previous update 060/10] WGS84 DATUM

Amend	light to, Fl.10s49m20M	16° 55′.8N., 54° 00′.3E.
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**122/(08/10) INDIAN OCEAN – Nicobar Islands – Great Nicobar Island South-westwards – Less water.**

Source: BA Notice – 7006/09.

(HJ/928/66)

**Chart 33** [previous update 445/08] COMPATIBLE WITH WGS84 DATUM

Insert	legend, <i>Less water reported (2009)</i> , centred on:	6° 03′.0N., 93° 09′.0E.
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**Chart 41** [previous update 366/09] COMPATIBLE WITH WGS84 DATUM

Insert	legend, <i>Less water reported (2009)</i> , centred on:	6° 03′.0N., 93° 09′.0E.
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**Chart 471** [previous update 269/09] COMPATIBLE WITH WGS84 DATUM

Insert	legend, <i>Less water reported (2009)</i> , centred on:	6° 03′.0N., 93° 09′.0E.
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**123/(08/10) INDONESIA – Sumatera – North West Coast – Banda Aceh Northwards – Light.**

Source: BA Notice – 1668/10.

(HJ/928/54)

**Chart 471** [previous update 122/10] UNDETERMINED DATUM

Delete	★ Fl.8M	5° 35′.6N., 95° 19′.1E.
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**124/(08/10) MALACCA STRAIT – Pulau Karimun Besar Northwards – The Brothers – Pulau Iyu Kecil – Light.**

Source: BA Notice – 1768/10.

(HJ/927/16)

**Chart 9001** [previous update 366/09] WGS84 DATUM

Amend	range of light to, 18M	1° 11′.49N., 103° 21′.12E.
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**125/(08/10) INDIAN OCEAN – Prince Edward Island East-north-eastwards, Cocos (Keeling) Islands Southwards – Depths.**

Source: BA Notice – 1681/10.

(HJ/528/84)

**Chart 7070(INT 70)** [previous update 101/10] COMPATIBLE WITH WGS84 DATUM

Insert  31° 46′.0S., 95° 22′.5E.  
 45° 54′.5S., 42° 33′.0E.

**Chart 7072(INT 72)** [previous update 100/10] COMPATIBLE WITH WGS84 DATUM

Insert  45° 54′.5S., 42° 33′.0E.

**Chart 7073(INT 73)** [previous update 101/10] COMPATIBLE WITH WGS84 DATUM

Insert  31° 46′.0S., 95° 22′.5E.



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

**\*126(T)/(08/10) INDIA – WEST COAST – Gulf of Kachchh Deep Water Route – Buoy.**

Source: DLL Jamnagar.

(HJ/1131/20)

1. Paga buoy is retrieved for maintenance.
2. VLCC buoy relaid in its charted position and working normal.
3. Mariners to exercise caution.
4. ***Former INM 329(T)/09 and 063(T)/10 are cancelled.***

**Charts affected – 203(INT 7319) – 2068.**

**\*127(T)/(08/10) INDIA – WEST COAST – Gulf of Kachchh – Salaya Channel – Buoys.**

Source: DLL Jamnagar

(HJ/1131/20)

1. Tilburn and Narara buoys are retrieved for maintenance.
2. Mariners to exercise caution.
3. ***Former INM 330(T)/09 and 074(T)/10 are cancelled.***

**Chart affected – 203(INT 7319) – 2068 – 2060 – 2079.**

**\*128(T)/(08/10) INDIA – WEST COAST – Bhavnagar Port – Light Vessel.**

Source: DLL Jamnagar

(HJ/1130/27)

1. Perigee light vessel at position 21° 42' 13N, 72° 18' 34E is retrieved for maintenance.
2. Mariners to exercise caution.

**Chart affected – 254(INT7331) – 208 – 2039 – 2102.**

**\*129(T)(08/10) INDIA – EAST COAST – Sacramento Shoal to Kalingapatnam – Unexploded Charges.**

Source: INS Sukanya

(HJ/1029/76)

Unexploded charges reported dumped in following positions by INS Sukanya.

Sl No.	Position (WGS 84 Datum)	Date	Charts Affected
(a)	17°02' 72N., 83° 33' 76E	01 Apr 10	31 – 32(INT 754) – 391 – 354(INT 7408).
(b)	17°03' 54N., 83° 25' 05E	05 Apr 10	31 – 32(INT 754) – 391 – 354(INT 7408).

**\*130(T)/(08/10) INDIA – EAST COAST – Bay of Bengal – Underwater Moorings.**

Source: NIO Goa.

(HJ/1029/59)

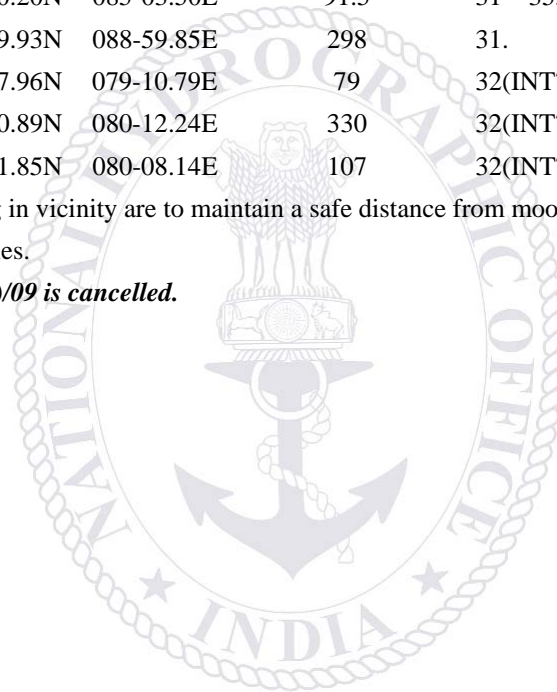
1. Following underwater moorings consisting of an upward looking Acoustic Doppler Current Profiler (ADCP) for measuring the current laid in the following positions:

Sl. Mooring	Position		Depth of ADCP(m)	Charts Affected
	Latitude	Longitude		
01 BORS-1	15-00.56N	080-20.15E	92	31- 32(INT 754) – 391 – 356(INT 7400).
02 BORD-1	14-59.80N	080-33.14E	303	31- 32(INT 754) – 391 – 356(INT 7400).
03 BVKD-1	16-50.22N	082-58.92E	321	31- 32(INT 754) – 391 – 354(INT 7408).
04 BVKS-1	17-02.55N	082-48.39E	92.5	31- 32(INT 754) – 391 – 354(INT 7408).
05 BOGD-1	18-51.45N	085-26.05E	290	31 – 353(INT 7413).
06 BOGS-1	19-00.20N	085-03.50E	91.5	31 – 353(INT 7413).
07 BNBD-1	18-59.93N	088-59.85E	298	31.
*08 SSM-1	08-47.96N	079-10.79E	79	32(INT754) – 262.
*09 BOPD	12-00.89N	080-12.24E	330	32(INT754) – 33 – 357(7397).
*10 BOPS	12-01.85N	080-08.14E	107	32(INT754) – 33 – 357(7397).

2. All vessels operating in vicinity are to maintain a safe distance from moorings and exercise caution.

3. \* Indicates new entries.

4. ***Former INM 200(T)/09 is cancelled.***



**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>		

**SECTION – V**  
**NAVAREA – VIII WARNING 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 Warning Inforce as on 15 Apr 10.

**2010 SERIES** - 114 120 133 138 148 160 162 186 188 189 191 193 195 196 197 198 199 200  
201 205 206 208 209 210 211 212 213 214 215 216

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

<b>180. Self-Cancelling. India East Coast – Rameswaram.</b> Charts 32 262 316 317 358 INT 706. DGPS transmission on frequency 311 Khz at Rameswaram commissioned on trial basis in position 09-17.03N 079-18.52E. Transmission not dependable.
<b>181. Self Cancelling. India East Coast – Bay of Bengal.</b> Charts 32 357 INT 706. Light beacon at Poompuhar lighthouse position 11-08.48N 079-51.40E on thirty metres high tower installed on trial basis. Character - flash (4) every 15 seconds. Light not dependable.
<b>182. Self Cancelling . India East Coast – Palk Strait.</b> Charts 32 315 317 358 INT 706. Light beacon at Mallipattinam lighthouse position 10-16.20N 079-18.80E on forty five metres high tower installed on trial basis. Character is Fl (W) every 05 seconds. Light not dependable.
<b>183. India East Coast – Bay of Bengal.</b> Charts 31 32 354 355 INT 706. Rig Geo Holm deployed in position 16-35.07N 082-27.02E. 2. Wide Berth Requested.
<b>184. Self Cancelling. Navarea VIII- Warning Inforce</b> <b>2010 Series</b> -104 112 114 120 133 138 146 148 151 152 154 157 158 160 161 162 167 171 175 176 177 178 179 180 181 182 183
<b>185. Self Cancelling . Cancel Navarea VIII message 151 of 2010.</b>
<b>186. India West Coast - Kochi.</b> Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval coast battery on following dates Date Time (UTC) 13 Apr 2010 0900 to 1200 16 Apr 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 17 Apr 2010.
<b>187. Andaman Sea – India Andaman Islands.</b> Charts 33 41 405 406 472 473 INT 706. Firing practice by Naval ships from 0830 UTC to 1030 UTC on 06 Apr 2010. Danger area bounded by (a) 11-00.00N 092-30.00E (b) 11-15.00N 092-30.00E (c) 11-15.00N 092-50.00E (d) 11-00.00N 092-50.00E 2. Safe flying height 7000 metres. 3. Cancel this message on 07 Apr 2010.
<b>188. India East Coast – Great Nicobar Island.</b> Charts 33 41 409 471 472 INT 706. Hydrographic survey will be carried out by hydrographic vessel from 08 Apr to 20 Apr 2010 in area bounded by (a) 06-41.00N 093-36.80E (b) 06-41.00N 094-00.00E (c) 07-05.80N 094-00.00E (d) 07-05.80N 093-36.80E 2. All vessels operating in vicinity are to maintain a safe distance from survey vessel and exercise caution 3. Cancel this message on 21 Apr 2010
<b>189. Bay of Bengal– Southern Portion .</b> Charts 31 354 INT 706. Naval ships will carryout firing practice from 13 Apr to 16 Apr 2010 between 0330 UTC to 0830 UTC in area bounded by (a) 16-46.00N 083-36.00E (b) 16-01.00N 084-18.00E (c) 15-12.00N 083-42.00E (d) 15-56.00N 083-00.00E 2. Safe flying height 10000 metres. 3. Cancel this message on 17 Apr 2010.

<p><b>190. Self Cancelling. India West Coast- Lakshadweep.</b> Charts 22 268 273 INT 705. A cylindrical black colour buoy reported adrift in position 10-54.40N 073-33.04E at 1454 UTC on 04 Apr 2010.</p> <p>2. Mariners to exercise caution.</p>																								
<p><b>191. India West Coast – Arabian Sea.</b> Charts 21 291 292 INT 705. Geowave commander will carry out seismic survey operations from 06 Apr 2010 to 31 May 2010 in area bounded by</p> <table border="0"> <tr> <td>(i)</td> <td>22-45.00N</td> <td>068-06.86E</td> <td>(ii)</td> <td>22-45.00N</td> <td>068-33.30E</td> </tr> <tr> <td>(iii)</td> <td>22-15.17N</td> <td>068-33.30E</td> <td>(iv)</td> <td>22-15.17N</td> <td>068-19.46E</td> </tr> <tr> <td>(v)</td> <td>22-22.66N</td> <td>068-19.46E</td> <td>(vi)</td> <td>22-22.66N</td> <td>068-08.17E</td> </tr> <tr> <td>(vii)</td> <td>22-32.97N</td> <td>068-08.17E</td> <td>(viii)</td> <td>22-32.97N</td> <td>068-06.86E</td> </tr> </table> <p>2. The vessel will be towing six seismic streamers of 6000 metres length. Streamers are approx 08 metres depth below the surface. Each trailing ends are attached to tail buoys with radar reflectors and flashing white lights spread over a width of approx 600 metres.</p> <p>3. All vessels operating in the area are to exercise caution and give wide berth at least of 01 NM on either side 02 NM ahead and 05 NM astern of the vessel.</p> <p>4. Cancel this message on 01 Jun 2010.</p>	(i)	22-45.00N	068-06.86E	(ii)	22-45.00N	068-33.30E	(iii)	22-15.17N	068-33.30E	(iv)	22-15.17N	068-19.46E	(v)	22-22.66N	068-19.46E	(vi)	22-22.66N	068-08.17E	(vii)	22-32.97N	068-08.17E	(viii)	22-32.97N	068-06.86E
(i)	22-45.00N	068-06.86E	(ii)	22-45.00N	068-33.30E																			
(iii)	22-15.17N	068-33.30E	(iv)	22-15.17N	068-19.46E																			
(v)	22-22.66N	068-19.46E	(vi)	22-22.66N	068-08.17E																			
(vii)	22-32.97N	068-08.17E	(viii)	22-32.97N	068-06.86E																			
<p><b>192. India East Coast – Bay of Bengal.</b> Charts 31 351 INT 706. Position of Rig Hakuryu -5 20-37.25N 088-14.4E.</p> <p>2. Wide berth requested.</p>																								
<p><b>193. India West Coast –Mormugao.</b> Charts 22 214 215 256 257 INT 706. Naval aircrafts will carry out firing practice from 14 Apr to 21 Apr 2010 between 0230 UTC to 1230 UTC in area bounded by</p> <table border="0"> <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>073-57.00E</td> <td>(d)</td> <td>15-11.00N</td> <td>073-52.00E</td> </tr> </table> <p>2. Safe flying height 3500 metres.</p> <p>3. Cancel this message on 22 Apr 2010.</p>	(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												
(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																			
<p><b>194. Self Cancelling. Cancel Navarea VIII message 152 of 2010. Issued by INM edition 07 of 2010.</b></p>																								
<p><b>195. Indian Ocean-Bay of Bengal.</b> Charts 31 355 INT 706. National institute of oceanography has laid orange coloured wave rider buoys flashing light for met ocean data collection from 08 Apr 2010 to 30 Jun 2010 in the following position</p> <table border="0"> <tr> <td>(a)</td> <td>16-16.19N</td> <td>082-11.45E</td> <td>(b)</td> <td>16-10.72N</td> <td>082-11.42E</td> </tr> <tr> <td>(c)</td> <td>16-32.72N</td> <td>082-28.9E</td> <td>(d)</td> <td>16-32.3N</td> <td>082-23.73E</td> </tr> </table> <p>2. Each buoy is guarded by a fishing boat. The boats are maintaining continuous watch on CH 16.</p> <p>3. All vessels operating in the area to exercise caution and give wide berth.</p> <p>4. Cancel this message on 01 Jul 2010.</p>	(a)	16-16.19N	082-11.45E	(b)	16-10.72N	082-11.42E	(c)	16-32.72N	082-28.9E	(d)	16-32.3N	082-23.73E												
(a)	16-16.19N	082-11.45E	(b)	16-10.72N	082-11.42E																			
(c)	16-32.72N	082-28.9E	(d)	16-32.3N	082-23.73E																			
<p><b>196. India Andaman Islands – Andaman Sea.</b> Charts 33 41 472 473 INT 706. 2D seismic / gravity and magnetic data acquisition operation from 08 Apr to 31 May 2010 by survey vessel Professor Kurentsov in area bounded by following co-ordinates</p> <table border="0"> <tr> <td>(a)</td> <td>11-00.00N</td> <td>093-12.00E</td> <td>(b)</td> <td>10-20.00N</td> <td>093-12.00E</td> </tr> <tr> <td>(c)</td> <td>10-20.00N</td> <td>092-50.00E</td> <td>(d)</td> <td>09-40.00N</td> <td>092-50.00E</td> </tr> <tr> <td>(e)</td> <td>09-40.00N</td> <td>093-45.00E</td> <td>(f)</td> <td>11-00.00N</td> <td>093-45.00E</td> </tr> </table> <p>2. Vessel will tow streamer cable of 8450 metres length. End of the cable marked with yellow tail buoy with white light</p> <p>3. All vessels operating in the area are to give wide berth atleast 04 NM on either side, 03 NM on ahead and 07 NM astern of the vessel and exercise caution.</p> <p>4. Cancel this message on 01 Jun 2010.</p>	(a)	11-00.00N	093-12.00E	(b)	10-20.00N	093-12.00E	(c)	10-20.00N	092-50.00E	(d)	09-40.00N	092-50.00E	(e)	09-40.00N	093-45.00E	(f)	11-00.00N	093-45.00E						
(a)	11-00.00N	093-12.00E	(b)	10-20.00N	093-12.00E																			
(c)	10-20.00N	092-50.00E	(d)	09-40.00N	092-50.00E																			
(e)	09-40.00N	093-45.00E	(f)	11-00.00N	093-45.00E																			
<p><b>197. Cancel Navarea VIII message 112 of 2010. India West Coast – Arabian Sea.</b> Charts 22 214 215 293 INT 705. Seismic survey is in progress by survey vessel western pride till 30 Apr 2010 in area bounded by</p> <table border="0"> <tr> <td>(a)</td> <td>14-00.00N</td> <td>073-00.00E</td> <td>(b)</td> <td>14-00.00N</td> <td>071-35.00E</td> </tr> <tr> <td>(c)</td> <td>15-22.00N</td> <td>071-35.00E</td> <td>(d)</td> <td>15-22.00N</td> <td>073-00.00E</td> </tr> </table> <p>2. Vessel is towing eight streamers of 10000 metres length. Streamer cables and each cable end marked with flashing white and blue light with radar reflector.</p> <p>3. All vessels operating in the area to exercise caution and give wide berth at least 08 NM astren 03 NM abeam and ahead of the vessel.</p> <p>4. Cancel this message on 01 may 2010.</p>	(a)	14-00.00N	073-00.00E	(b)	14-00.00N	071-35.00E	(c)	15-22.00N	071-35.00E	(d)	15-22.00N	073-00.00E												
(a)	14-00.00N	073-00.00E	(b)	14-00.00N	071-35.00E																			
(c)	15-22.00N	071-35.00E	(d)	15-22.00N	073-00.00E																			

**198. Cancel Navarea VIII messages 161 and 171 of 2010. 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**

ABAN ICE	18-38.00N	071-02.29E
ABAN II	23-20.67N	068-12.59E
ABAN III	20-20.17N	072-01.35E
ABAN IV	19-32.27N	071-24.08E
ABAN V	19-29.87N	071-24.70E
BADRINATH	18-35.65N	071-21.72E
CE THROTON	21-04.10N	072-26.30E
DISCOVERY 1	19-11.98N	072-11.00E
ENERGY DRILLER	18-39.82N	071-00.60E
FG McCLINTOCK	22-39.38N	068-29.57E
GREATDRILL CHETNA	20-03.67N	071-09.20E
GREATDRILL CHITRA	19-15.18N	072-02.17E
KEDARNATH	21-02.75N	072-26.45E
NOBLE GEORGE McLEOD	19-25.63N	071-16.23E
NOBLE CHARLIE YESTER	19-28.97N	071-19.63E
NOBLE ED HOLT	19-34.03N	071-23.60E
PRIDE HAWAI	18-55.88N	072-18.33E
RANDOLPH YOST	19-14.98N	071-28.43E
RON TAPPEMEYER	19-38.30N	071-19.83E
SAGAR GAURAV	19-32.58N	072-27.95E
SAGAR JYOTI	19-36.62N	071-22.90E
SAGAR KIRAN	20-11.77N	071-51.90E
SAGAR LAXMI	18-36.15N	071-01.63E
SAGAR PRAGATI	19-37.35N	071-21.67E
SAGAR SAMRAT	19-32.13N	071-18.81E
SAGAR SHAKTI	19-19.08N	071-23.87E
SAGAR UDAY	19-24.60N	071-21.25E
TRIDENT – 2	19-18.27N	072-15.94E
TRIDENT – 12	19-25.03N	071-23.38E
VIRTUE 1	19-23.48N	071-25.18E
ENSCO 53	19-21.13N	071-47.30E
JT ANGEL	18-53.33N	072-51.82E
DHIRUBHAI DEEPWATER KG-1	06-39.55N	077-33.57E

2. Wide berth requested.

**199. Cancel Navarea VIII messages 158 183 and 192 of 2010. 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**

DISCOVERER SEVEN SEAS	16-23.99N	082-23.97E
DEEP SEA MATDRILL	09-23.72N	079-01.11E
HERCULES 258	16-40.43N	082-24.00E
HERCULES 260	16-20.82N	081-52.81E
SAGAR BHUSHAN	16-31.45N	082-22.66E
DEEP WATER FRONTIER	16-14.80N	082-44.40E
DISCOVERER 534	19-14.50N	086-34.40E
BLACKFORD DOLPHIN	20-13.89N	087-17.24E
DHEERU BHAI DEEPWATER KG-2	11-48.50N	080-31.40E
DEEP WATER EXPEDITION	15-38-00N	081-43.00E
ESSAR WILD CAT	16-43.31N	082-34.32E
HAKURYU 5	20-37.10N	088-10.20E
GEO HOLM	16-35.07N	082-27.02E

2. Wide berth requested.

**200. Andaman Sea – Little Andaman. Charts 33 41 472 473 INT 706. Hydrographic survey will be carried out by hydrographic vessel from 11 Apr to 12 May 2010 in area bounded by**

(a)	10-46.50N	092-19.00E	(b)	10-46.50N	092-46.50E
(c)	11-04.00N	092-46.50E	(d)	11-04.00N	092-19.00E

2. All vessels operating in vicinity are to maintain a safe distance from the vessel and exercise caution.

3. Cancel this message on 13 May 2010.



<p><b>201. India West Coast – Arabian Sea.</b> Charts 21 31 206 210 254 253 254 292 356 INT 705 INT 706. Survey vessel Bos Angler will carry out seismic survey operations from 11 Apr to 30 Apr 2010 in area bounded by</p> <table border="0"> <tr> <td>(a)</td> <td>20-19.89N</td> <td>070-54.25E</td> <td>(b)</td> <td>20-31.27N</td> <td>070-54.25E</td> </tr> <tr> <td>(c)</td> <td>20-19.93N</td> <td>071-37.42E</td> <td>(d)</td> <td>20-31.30N</td> <td>071-37.60E</td> </tr> </table> <p>2. Vessel will be towing four streamers of 6000 metres length. Streamers are approx seven metres depth below the surface. Each trailing ends are attached to tail buoy with radar reflectors and flashing white light spread over a width of approx 400 metres.</p> <p>3. All vessels operating in the area to exercise caution and give wide berth at least 01 nm on either side, 02 NM ahead and 05 NM astern of the vessel.</p> <p>4. Mariners are advised to:</p> <table border="0"> <tr> <td>(a)</td> <td>Keep well clear of survey area and follow the safety fairway.</td> </tr> <tr> <td>(b)</td> <td>Vessel will also warn shipping by signalling appliances or morse code light if shipping gets close to clearing distance as mentioned.</td> </tr> <tr> <td>(c)</td> <td>Chase boats guarding the seismic survey vessel and streamers shall also direct shipping to keep clear of this vessel and streamers at all times during operations.</td> </tr> </table> <p>5. Cancel this message on 01 May 2010</p>	(a)	20-19.89N	070-54.25E	(b)	20-31.27N	070-54.25E	(c)	20-19.93N	071-37.42E	(d)	20-31.30N	071-37.60E	(a)	Keep well clear of survey area and follow the safety fairway.	(b)	Vessel will also warn shipping by signalling appliances or morse code light if shipping gets close to clearing distance as mentioned.	(c)	Chase boats guarding the seismic survey vessel and streamers shall also direct shipping to keep clear of this vessel and streamers at all times during operations.								
(a)	20-19.89N	070-54.25E	(b)	20-31.27N	070-54.25E																					
(c)	20-19.93N	071-37.42E	(d)	20-31.30N	071-37.60E																					
(a)	Keep well clear of survey area and follow the safety fairway.																									
(b)	Vessel will also warn shipping by signalling appliances or morse code light if shipping gets close to clearing distance as mentioned.																									
(c)	Chase boats guarding the seismic survey vessel and streamers shall also direct shipping to keep clear of this vessel and streamers at all times during operations.																									
<p><b>202. Self Cancelling. India West Coast – Arabian Sea.</b> Charts 21 22 211 255 292 INT 705. Uttan DGPS station will be off air from 0030 UTC to 1230 UTC on 10 Apr 2010 for aerial maintenance and other associated works.</p>																										
<p><b>203. Self Cancelling. Indian Ocean–Western Part.</b> Charts INT 70 INT 71 INT 72 INT 701 INT 702. M/V hijacked by pirates in position 04-59.00S 043-52.00E at 1243 UTC on 07 Apr 2010.</p> <p>2. Mariners to exercise extreme caution.</p>																										
<p><b>204. Self Canceling. Navarea VIII-warning inforce</b> 2010 series:-104 114 120 133 138 146 148 157 160 162 175 176 186 188 189 190 191 193 194 195 196 197 198 199 200 201 202 203</p>																										
<p><b>205. Cancel Navarea VIII message 146 of 2010. India West Coast – Arabian Sea.</b> Charts 22 258 259 268 INT 705. Survey vessel western spirit will carry out seismic survey operations from 12 Apr 2010 to 30 Apr 2010 in area bounded by</p> <table border="0"> <tr> <td>(a)</td> <td>10-49.11N</td> <td>073-19.02E</td> <td>(b)</td> <td>10-49.00N</td> <td>075-44.99E</td> </tr> <tr> <td>(c)</td> <td>11-43.56N</td> <td>075-02.97E</td> <td>(d)</td> <td>12-24.38N</td> <td>074-37.37E</td> </tr> <tr> <td>(e)</td> <td>12-24.38N</td> <td>073-18.95E</td> <td></td> <td></td> <td></td> </tr> </table> <p>2. Vessel will tow four seismic streamers of 10500 metres length. Streamers are approx 08 metres and 20 metres depth below the surface. Each trailing ends are attached to tail buoy with radar reflectors and flashing white light spread over a width of approx 400 metres.</p> <p>3. All vessels operating in the area to exercise caution and give wide berth at least 03 NM abeam, 03 NM ahead and 08 NM astern of the vessel.</p> <p>4. Mariners are advised to:</p> <table border="0"> <tr> <td>(a)</td> <td>Keep well clear of survey area and vessel.</td> </tr> <tr> <td>(b)</td> <td>Keep listening watch on VHF channel 16 and working channel 68 and 71 for safety message giving navigational warnings on the specialized operation conducted by vessel.</td> </tr> <tr> <td>(c)</td> <td>Vessel will also warn the shipping by some signaling appliances powerful search light or ALDIS light if the shipping gets close to clearance distance.</td> </tr> <tr> <td>(d)</td> <td>Chase boats guarding the vessel and the streamers shall also direct shipping to keep clear of this vessel and streamers.</td> </tr> </table> <p>5. Cancel this message on 01 May 2010.</p>	(a)	10-49.11N	073-19.02E	(b)	10-49.00N	075-44.99E	(c)	11-43.56N	075-02.97E	(d)	12-24.38N	074-37.37E	(e)	12-24.38N	073-18.95E				(a)	Keep well clear of survey area and vessel.	(b)	Keep listening watch on VHF channel 16 and working channel 68 and 71 for safety message giving navigational warnings on the specialized operation conducted by vessel.	(c)	Vessel will also warn the shipping by some signaling appliances powerful search light or ALDIS light if the shipping gets close to clearance distance.	(d)	Chase boats guarding the vessel and the streamers shall also direct shipping to keep clear of this vessel and streamers.
(a)	10-49.11N	073-19.02E	(b)	10-49.00N	075-44.99E																					
(c)	11-43.56N	075-02.97E	(d)	12-24.38N	074-37.37E																					
(e)	12-24.38N	073-18.95E																								
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(c)	Vessel will also warn the shipping by some signaling appliances powerful search light or ALDIS light if the shipping gets close to clearance distance.																									
(d)	Chase boats guarding the vessel and the streamers shall also direct shipping to keep clear of this vessel and streamers.																									
<p><b>206. India East Coast - Gopalpur.</b> Charts 31 352 353 3005 INT 706. Firing exercise will be carried out between 2330 UTC to 1200 UTC from 18 Apr to 24 Apr 2010.</p> <p>2. Danger area bounded by</p> <table border="0"> <tr> <td>(a)</td> <td>19-14.60N</td> <td>084-53.70E</td> <td>(b)</td> <td>19-37.05N</td> <td>085-27.85E</td> </tr> <tr> <td>(c)</td> <td>18-46.05N</td> <td>085-22.86E</td> <td></td> <td></td> <td></td> </tr> </table> <p>and arc of 42 NM radius joining point (b) and (c)</p> <p>3. Safe flying height 6100 metres.</p> <p>4. Cancel this message on 25 Apr 2010.</p>	(a)	19-14.60N	084-53.70E	(b)	19-37.05N	085-27.85E	(c)	18-46.05N	085-22.86E																	
(a)	19-14.60N	084-53.70E	(b)	19-37.05N	085-27.85E																					
(c)	18-46.05N	085-22.86E																								
<p><b>207. Self Cancelling. Indian Ocean–Western Part.</b> Charts INT 70 INT 71 INT 72 INT 701 INT 702 INT 703. M/V hijacked by pirates in position 04-45.00S 051-00.00E at 0741 UTC on 11 Apr 2010.</p> <p>2. Mariners to exercise extreme caution.</p>																										

<b>208. India West Coast - Kochi.</b> Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing exercise by Naval coast battery on following dates						
	Date	Time (UTC)				
	20 Apr 2010	0900 to 1200				
	23 Apr 2010	0900 to 1130 and 1230 to 1530				
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 24 Apr 2010.					
<b>209. India West Coast- Gulf of Kachchh.</b> Charts 21 203 291 2068 INT 705. Hydrographic survey will be carried out by hydrographic vessel from 16 Apr 2010 to 08 May 2010 in area bounded by						
	(a) 22-36.00N	068-56.00E	(b)	22-36.00N	069-10.00E	
	(c) 22-23.50N	069-10.00E	(d)	22-23.50N	069-30.50E	
	(e) 22-43.00N	069-30.50E	(f)	22-43.00N	069-25.00E	
	(g) 22-40.00N	069-13.50E	(h)	22-39.50N	069-10.00E	
	(j) 22-39.50N	068-56.00E				
2.	Extensive sounding and side scanning operations will be undertaken within the survey area using ship/boats.					
3.	All vessels operating in vicinity are advised to maintain a safe distance of at least 02 nm from ship/boat and exercise caution.					
4.	Cancel this message on 09 May 2010.					
<b>210. India West Coast- Arabian Sea.</b> Charts 22 256 293 INT 705. Firing practice by Naval ships will be carried out between 0130 UTC to 0530 UTC on 20 Apr 2010. Danger area bounded by						
	(a) 17-55.00N	072-30.00E	(b)	17-20.00N	072-30.00E	
	(c) 17-20.00N	071-40.00E	(d)	17-55.00N	071-40.00E	
2.	Safe flying height 8000 metres.					
3.	Cancel this message on 21 Apr 2010.					
<b>211. India West Coast- Gulf of Kachchh.</b> Charts 21 203 2068 2079 INT 705. Narara buoy 22-35.90N 069-36.10E and Tilburn buoy 22-37.50N 69-31.50E withdrawn for maintenance.						
2.	Mariners to exercise caution.					
<b>212. India West Coast – Ghogha.</b> Charts 21 208 254 292 2039 INT 705. Perigee light vessel 21-42.13N 072-18.34E withdrawn for maintenance.						
<b>213. Refer Navarea VIII message 199 of 2010. India East Coast – Bay of Bengal.</b> Charts 31 352 354 356 INT 706. Present position of rigs as follows						
	DISCOVERER 534		17-00.50N		082-25.20E	
	DISCOVERER SEVEN SEAS		15-19.03N		080-48.14E	
	DEEP WATER EXPEDITION		15-42.70N		081-44.30E	
	BLACKFORD DOLPHIN		20-11.20N		087-19.60E	
2.	Wide berth requested.					
<b>214. India East Coast- Bay of Bengal.</b> Charts 32 33 313 356 INT 71 INT 706. Geosynchronous Satellite Launch Vehicle launching scheduled from SDSC SHAR launch pad 13-43.20N 080-13.80E between 1030 UTC to 1330 UTC on 15 Apr 2010.						
2.	Danger Zone					
	(i)	A circle of 10 NM around the launcher.				
	(ii)	A sector of radius 15 NM from launcher between azimuth angles of 45 degree and 160 degree from true north.				
	(iii)	Bounded by following points.				
	(a)	11-30.00N	085-00.00E	(b)	11-30.00N	086-45.00E
	(c)	12-30.00N	086-45.00E	(d)	12-30.00N	085-00.00E
	(iv)	Bounded by following points.				
	(a)	10-15.00N	088-15.00E	(b)	10-15.00N	090-30.00E
	(c)	11-30.00N	090-30.00E	(d)	11-30.00N	088-15.00E
	(v)	Bounded by following points.				
	(a)	08-00.00N	094-45.00E	(b)	08-00.00N	095-30.00E
	(c)	09-00.00N	095-30.00E	(d)	09-00.00N	094-45.00E
3.	No over flight is permissible within the above mentioned sector and mariners are advised to exercise caution.					
4.	Cancel this message on 16 Apr 2010.					

**215. India West Coast- Gulf of Kachchh.** Charts 21 203 251 2068 INT 705. Paga buoy 22-36.00N 069-14.50E withdrawn for maintenance.

2. Mariners to exercise caution.

**216. India West Coast- Arabian Sea.** Charts 21 22 292 293 INT 705. Naval ships will carry out firing practice from 1030 UTC to 2230 UTC on 22 Apr 2010.

2. Danger area bounded by:

(i)	(a)	17-44.00N	071-00.00E	(b)	17-44.00N	072-30.00E
	(c)	16-29.00N	072-30.00E	(d)	16-29.00N	071-00.00E
(ii)	(a)	20-12.00N	068-30.00E	(b)	19-23.00N	069-27.00E
	(c)	20-05.00N	070-09.00E	(d)	20-55.00N	069-10.00E

3. Safe flying height 25000 metres.

4. Cancel this message on 23 Apr 2010.



## SECTION – VI

### CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

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

**West Coast of India Pilot (INP – 1)**

**Chapter 9 (Page - 268)**

(Source: INS Sutlej)

Article 9.12

Insert a new Para at the end of Para 3

#### 4 Fairway

(i) **Fairway 1** The route of 50 miles from Porbandar to Dwarka is defined by a safety fairway with depths of 60m to 25m. The safety fairway is bounded by under mentioned co-ordinates from a position approximately 35 miles West of Porbandar to approximately 10 miles West of Dwarka.

21° 37'.20 N, 69° 01'.68 E

21° 36'.35 N, 68° 58'.97 E

22° 16'.20 N, 68° 44'.75 E

22° 16'.27 N, 68° 47'.75 E

(ii) **Fairway 2** The route of 30 miles is defined by a safety fairway with depths from 80 m to 25 m bounded by under mentioned co-ordinates from a position 40 miles South West of Okhamandal to 11 miles West of Okhamandal.

22° 03'.50 N, 68° 15'.38 E

22° 16'.27 N, 68° 44'.60 E

22° 18'.25 N, 68° 42'.80 E

22° 01'.10 N, 68° 16'.80 E

(iii) **Fairway 3** The route of 35 miles is defined by a safety fairway with depths of 60m to 25m between under mentioned co-ordinates from a position 44 miles West of Okha to 10 miles West of Dwarka

22° 16'.20 N, 68° 44'.75 E

22° 16'.27 N, 68° 47'.75 E

22° 27'.35 N, 68° 15'.23 E

22° 24'.77 N, 68° 14'.50 E

**Chapter 9 (Page – 270 to 272)**

(Source: Okha Port)

Article 9.31

Insert text at the beginning of Para 1

"Okha is an all weather port with berthing facilities"

Article 9.35

Insert at the end of Para 1

Capt. GG Pandey

Port Officer

Gujarat Maritime Board

Okha Port

Gujarat – 361 350

Tel: +91 02892-262001/02/262039

Fax: +91 02892-262002

Mobile: 09925153080

E mail: portofficerokp@yahoo.in

Web: [www.gmbport.org](http://www.gmbport.org)

Article 9.41

Insert after Para 2

3 Maximum and Minimum temperature recorded in the area is 36°C and 16°C respectively.

Article 9.46

Delete Para 3 and replace by

3 Two tugs of 1600 BHP are available from 0700 to 1900 hrs and can be contacted on VHF. Requesting authority for tugs is Port Officer, Gujarat Maritime Board, Okha. The hiring charges for the tugs is as per schedule of port charges (SOPC)

Insert a new Para after Article 9.58

**Security**

9.58a

1 The port is ISPS compliant.

Article 9.59

Delete Para 1 and replace by

(a)	Bulk cargo, bags and containers are handled in the port
(b)	Lighters are available for the vessels at anchorage
(c)	Nearest hospital – 11 km
(d)	One mobile crane of 6 ton capacity
(e)	Small craft facilities – All Ships, barges and boats are brought alongside berth

Article 9.59

Insert new Para 2 and 3 after Para 1

2 **Pollution control** No tankers are handled at this port.

3 **Clubs/Recreation**

(a) **Places of interest** Dwarka and Beyt Dwarka.

(b) **Hotels/Restaurants** Vegetarian and non vegetarian restaurants are available near port. Well furnished departmental guest house is available for the visitors.

Article 9.60

Delete Para 1 and replace by

1 Following supplies are available at the port:

(a) Fuel

(b) Fresh water

(c) Provisions

(d) Charts through agents

Article 9.61

Delete Para 1 and replace by

Road	The port is well connected with State Highway (6A)
Nearest Railhead	Okha Town
Nearest airport	Jamnagar (97 km)
Port Radio	VHF Ch 16

**CORRECTIONS TO INDIAN NOTICES TO MARINERS**  
**ANNUAL EDITION – 2010**

**SECTION I**

<b>Notice No. 29/2010</b>	<b>LIST OF CHARTS AND PERMANENT CORRECTIONS</b>
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**Page 1, Chart 20 , Delete entire row and replace by:**

20	Persian Gulf and Gulf of Oman	1991	<b>1991</b> – 367 – 392. <b>1992</b> – 56 – 77 – 137 – 212 – 213 – 233 – 237 – 286 – 324 – 325 – 342 – 367 – 373 – 392 – 413 – 432. <b>1993</b> – 116 – 144 – 162 – 204 – 207 – 208 – 325 – 386. <b>1994</b> – 80 – 81 – 98 – 118 – 121 – 136 – 137 – 138 – 139 – 150 – 162 – 163 – 197 – 213 – 230 – 292 – 360 – 430. <b>1995</b> – 39 – 52 – 100 – 172 – 175 – 364 – 421. <b>1996</b> – 66 – 84 – 116 – 117 – 144 – 227 – 243 – 262 – 274 – 291 – 293 – 337 – 402. <b>1997</b> – 62 – 88 – 135 – 136 – 157 – 158 – 159 – 177 – 193 – 220 – 221 – 281 – 283 – 311 – 364 – 365 – 379. <b>1998</b> – 31 – 81 – 84 – 178 – 194 – 200 – 201 – 248 – 290 – 368 – 396 – 397 – 398 – 434 – 463 – 464. <b>1999</b> – 35 – 36 – 38 – 51 – 52 – 89 – 90 – 169 – 185 – 268 – 269 – 319 – 391 – 413 – 414 – 475. <b>2000</b> – 86 – 101 – 132 – 190 – 217 – 279 – 312 – 382 – 414. <b>2001</b> – 59 – 63 – 65 – 130 – 134 – 155 – 156 – 230 – 231 – 233 – 255 – 256 – 257 – 287 – 350 – 396 – 411. <b>2002</b> – 37 – 89 – 107 – 266 – 281 – 299 – 323 – 359 – 462 – 465. <b>2003</b> – 76 – 78 – 101 – 166 – 167 – 184 – 305 – 389 – 399 – 428. <b>2004</b> – 101 – 253 – 293 – 307 – 327 – 328 – 343 – 371 – 463. <b>2005</b> – 33 – 37 – 39 – 40 – 113 – 114 – 116 – 250 – 349 – 350 – 432 – 433 – 436 – 437 – 528 – 570. <b>2006</b> – 68 – 147 – 251 – 357 – 373 – 469 – 483 – 494 – 563. <b>2007</b> – 39 – 79 – 99 – 118 – 120 – 152 – 182 – 232 – 234 – 288 – 330 – 391 – 454 – 455 – 476 – 561 – 562. <b>2008</b> – 71 – 73 – 127 – 189 – 392 – 421 – 510 – 511 – 512 – 516 – 536 – 568 – 603 – 609 – 627. <b>2009</b> – 117 – 118 – 150 – 191 – 203 – 230 – 231 – 245 – 246 – 303 – 337 – 339 – 352. <b>2010</b> – 35 – 92 –
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**Page 1, Chart 23 , Delete entire row and replace by:**

23	Maldives Islands to Sri Lanka	1982	<b>1982</b> – 420. <b>1983</b> – 254 – 431. <b>1984</b> – 346 – 463 – 586. <b>1986</b> – 381. <b>1987</b> – 239. <b>1988</b> – 407 – 618. <b>1989</b> – 306. <b>1990</b> – 383. <b>1996</b> – 218. <b>1997</b> – 263 – 353. <b>1999</b> – 158 – 304 – <b>2001</b> – 47. <b>2002</b> – 349 – 385. <b>2003</b> – 147 – 217 – 362. <b>2004</b> – 154 – 212 – 226. <b>2005</b> – 325 – 560. <b>2006</b> – 47 – 156 <b>2007</b> – 335 – 553. <b>2008</b> – 99 – 120 – 227. <b>2009</b> – 52 – 232. <b>2010</b> –
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**Page 1, Chart 245 , Delete entire row and replace by:**

245	Gulf of Oman – Western Portion	1988	<b>1988</b> – 421 – 587. <b>1989</b> – 208. <b>1990</b> – 199. <b>1993</b> – 325. <b>1996</b> – 84 – 116. <b>1998</b> – 367. <b>1999</b> – 196 – 284 – 383 – 391 – 413. <b>2000</b> – 382. <b>2001</b> – 58. <b>2004</b> – 326. <b>2005</b> – 117 – 529. <b>2006</b> – 251 – 563. <b>2007</b> – 605 – <b>2008</b> – 486 – 487. <b>2009</b> – 150 – 203 – 267 – 342 – 351. <b>2010</b> – 92 –
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**Page 2, Chart 288 , Delete entire row and replace by:**

288	Qatar to Shatt Al Arab	2002	<b>2003</b> – 76 – 167 – 184 – 238 – 264 – 305 – 318 – 321 – 322 – 347 – 389 – 428 – 431. <b>2004</b> – 97 – 99 – 100 – 101 – 181 – 182 – 208 – 209 – 210 – 246 – 293 – 307 – 327 – 343 – 395 – 408 – 457 – 458 – 461. <b>2005</b> – 37 – 39 – 40 – 56 – 113 – 140 – 201 – 306 – 371 – 432 – 435 – 436 – 528 – 570. <b>2006</b> – 68 – 127 – 147 – 237 – 373 – 401 – 483 – 485 – 487 – 493 – 494 – 506 – 587. <b>2007</b> – 120 – 152 – 231 – 232 – 237 – 256 – 258 – 288 – 289 – 330 – 331 – 391 – 454 – 455 – 562. <b>2008</b> – 70 – 71 – 73 – 127 – 128 – 129 – 188 – 189 – 421 – 568 – 603 – 627. <b>2009</b> – 46 – 48 – 50 – 69 – 164 – 191 – 273 – 337 – 352 – 363. <b>2010</b> – 35 – 36 – 61 – 89 – 90 –
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**Page 2, Chart 289 , Delete entire row and replace by:**

289	Strait of Hormuz to Qatar	2002	<b>2002</b> – 379 – 449 – 465. <b>2003</b> – 34 – 78 – 166 – 167 – 238 – 264 – 318 – 399 – 431. <b>2004</b> – 42 – 66 – 99 – 100 – 101 – 102 – 181 – 207 – 209 – 250 – 278 – 282 – 293 – 294 – 327 – 371 – 432 – 433. <b>2005</b> – 39 – 40 – 113 – 114 – 115 – 116 – 117 – 250 – 305 – 306 – 350 – 432 – 433 – 437 – 474 – 528 – 529 – 552 – 570 – 613. <b>2006</b> – 41 – 42 – 126 – 127 – 145 – 147 – 168 – 220 – 251 – 357 – 373 – 374 – 375 – 440 – 469 – 483 – 485 – 487 – 563. <b>2007</b> – 39 – 75 – 99 – 116 – 118 – 152 – 182 – 231 – 232 – 234 – 261 – 286 – 288 – 291 – 330 – 362 – 409 – 453 – 454 – 455 – 476 – 561 – 562 – 627. <b>2008</b> – 70 – 71 – 127 – 187 – 188 – 189 – 264 – 391 – 421 – 486 – 487 – 510 – 511 – 512 – 516 – 536 – 568 – 569 – 603 – 609. <b>2009</b> – 46 – 51 – 103 – 117 – 118 – 164 – 203 – 222 – 231 – 245 – 246 – 267 – 303 – 327 – 339 – 350 – 351 – 363. <b>2010</b> – 36 – 61 – 90 – 92 –
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**Page 2, Chart 2061 , Delete entire row and replace by:**

2061	Male Anchorage and Approaches; Male Atoll	2002	<b>2002</b> – 296. <b>2003</b> – 192 – 348. <b>2004</b> – 134. <b>2007</b> – 292 – 622. – <b>2010</b> –
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**Page 5, Chart 7707(INT 7707) , Delete entire row and replace by:**

7707 (INT 707)	Maldives to Sumatera	1992	<b>1992</b> – 339 – 440. <b>1993</b> – 30 – 338. <b>1997</b> – 66 – 98. <b>1998</b> – 321 – 348 – 369. <b>1999</b> – 158 – 304 – 331. <b>2000</b> – 112 – 355. <b>2001</b> – 304. <b>2002</b> – 75 – 289 – 349 – 354 – 383 – 384. <b>2003</b> – 217. <b>2005</b> – 97 – 151 – 170 – 189 – 207 – 236 – 239 – 297 – 450 – 451 – 453 – 455 – 457 – 560. <b>2006</b> – 47. <b>2007</b> – 36 – 241 – 244 – 293 – 463 – 507 – 508 – 641. <b>2008</b> – 120 – 138 – 433 – 493 – 541. <b>2009</b> – 52 – 196. <b>2010</b> – 101 –
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**Page 5, Chart 7708(INT 7708) , Delete entire row and replace by:**

7708 (INT 708)	Australia – West Coast	1992	<b>1993</b> – 57. <b>1994</b> – 192. <b>1996</b> – 96. <b>2000</b> – 355. <b>2005</b> – 239 – 457 – 488 – <b>2007</b> – 442 – 507 – 508 – 509 – 614. <b>2008</b> – 138 – 437. <b>2009</b> – 165 – 225. <b>2010</b> – 101
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**Page 6, Chart 9001 , Delete entire row and replace by:**

9001	Malacca Strait	1973	<b>1973</b> – 287 – 365. <b>1974</b> – 32 – 111 – 129 – 203 – 254 – 288. <b>1975</b> – 75 – 122 – 333 – 334 – 356 – 363 – 408 – 409 <b>1976</b> – 158 – 173 – 224 – 242 – 285 – 308 – 470. <b>1977</b> – 80 – 130 – 216 – 240 – 268 – 269 – 620. <b>1978</b> – 153 – 397 – 469 – 471. <b>1979</b> – 40 – 90 – 147 – 195 – 470 – 472 – 529 – 591 – 669. <b>1980</b> – 46 – 64 – 87 – 122 – 283 – 324 – 355 – 455 – 499. <b>1981</b> – 253 – 300 – 421 – 451 – 509 – 653 – <b>1982</b> – 216 – 339 – 406 – 447 – 448 – 477 – 529 – 644. <b>1983</b> – 33 – 84 – 113 – 138 – 139 – 190 – 356 – 357 – 360 – 488 – 506 – 586. <b>1984</b> – 194 – 246 – 294 – 368 – 411 – 516. <b>1985</b> – 196 – 335 – 512 – 526. <b>1986</b> – 186 – 187 – 280 – 358 – 359 – 456 – 503 – 505 – 530. <b>1987</b> – 82 – 347 – 488. <b>1988</b> – 45 – 279 – 285 – 306 – 307 – 361 – 410 – 528 – 578 – 580. <b>1989</b> – 56 – 79 – 177 – 227 – 254. <b>1990</b> – 136 – 138 – 238 – 242 – 264 – 265 – 356 – 435 – 472. <b>1992</b> – 400 – 404 – 440. <b>1993</b> – 30 – 33 – 87 – 89 – 189 – 223 – 225 – 272 – 338 – 359 – 389. <b>1994</b> – 125 – 222 – 237 – 238 – 280. <b>1995</b> – 218 – 281. <b>1996</b> – 72 – 162 – 163 – 164 – 282 – 283 – 299 – 318 – 319 – 368. <b>1997</b> – 76 – 78 – 109 – 142 – 183 – 212 – 215. <b>2002</b> – 384. <b>2003</b> – 295 – 296. <b>2004</b> – 73. <b>2008</b> – 257. <b>2009</b> – 366. <b>2010</b> – 124 –
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**Page 7, Chart 203 (INT 7319) , Delete entire row and replace by:**

203 (INT 7319)	Gulf of Kachchh	2003	<b>2003</b> – 266 – 272 – 274 – 291 – 306 – 362. <b>2004</b> – 374 – 492. <b>2005</b> – 74 – 118 – 203 – 395 – 616. <b>2006</b> – 101 – 413. <b>2007</b> – 447 – 518 – 589 – 590 – 591. <b>2008</b> – 60 – 88 – 143 – 144 – 145 – 146 – 147 – 173 – 204 – 222 – 223 – 288 – 289 – 339 – 356 – 381 – 557 – 585 – 619. <b>2009</b> – 89 – 90 – 169 – 257 – 283 – 343 – 344 – 386 – 387. <b>2010</b> – 104 –
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**Page 7, Chart 206 , Delete entire row and replace by:**

206	Veraval to Diu Head	2001	<b>2006</b> – 87 – 176. <b>2007</b> – 225 – 315 – 491 – 492. <b>2008</b> – 62 – 318 – 381. <b>2009</b> – 125 – 209. <b>2010</b> –
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**Page 8, Chart 2031 , Delete entire row and replace by:**

2031	Okha Harbour	2002	<b>2002</b> – 196 – 223. <b>2003</b> – 51 – 143 – 168. <b>2004</b> – 129 – 329. <b>2007</b> – 250 – 591 – 623. <b>2008</b> – 60 – 89 – 112 – 619. <b>2009</b> – 169 – 256 – 344 – 356. <b>2010</b> –
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**Page 9, Chart 2068 , Delete entire row and replace by:**

2068	Gulf of Kachchh Deep Water Route	2002	<b>2002</b> – 186 – 223 – 296 – 375. <b>2003</b> – 102 – 126 – 127 – 143 – 144 – 164 – 168 – 189 – 200 – 274 – 291 – 306. <b>2004</b> – 326 – 329 – 492 – 493. <b>2005</b> – 118 – 203 – 616. <b>2006</b> – 332 – 389. <b>2007</b> – 447 – 591. <b>2008</b> – 60 – 88 – 112 – 144 – 147 – 222 – 288 – 289 – 339 – 356 – 585 – 619. <b>2009</b> – 32 – 89 – 90 – 136 – 169 – 206 – 256 – 343 – 344. <b>2010</b> –
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**Page 9, Chart 2079 , Delete entire row and replace by:**

2079	Approaches to Mundra Port	2007	<b>2007</b> – 447 – 517 – 589. <b>2008</b> – 146 – 174 – 204 – 223 – 251 – 287 – 289 – 357. <b>2009</b> – 64 – 89 – 99 – 136 – 305. <b>2010</b> –
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**Page 9, Chart 2081 , Delete entire row and replace by:**

2081	Approaches to Ports from Diu to Pipavav; Diu and Nawabandar anchorages	2002	<b>2002</b> – 319 – 347. <b>2003</b> – 79 – 103 – 125. <b>2004</b> – 119 – 211 – 296. <b>2006</b> – 449. <b>2007</b> – 192 – 224 – 225 – 315 – 492 – 651. <b>2008</b> – 61 – 62 – 379 – 381 – 442 – 479 – 480 – 481 – 622. <b>2009</b> – 156 – 171. <b>2010</b> –
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**Page 11, Chart 22(INT 752) , Delete entire row and replace by:**

22 (INT 752)	Mumbai to Cape Comorin	2004	<b>2004</b> – 131 – 154 – 241 – 311 – 494. <b>2005</b> – 325. <b>2006</b> – 47 – 48 – 49 – 50 – 104 – 105 – 106 – 138 – 154 – 156 – 357 – 450. <b>2007</b> – 281 – 527 – 592 – 624. <b>2008</b> – 91 – 94 – 99 – 117 – 118 – 119 – 120 – 181 – 205 – 227 – 294 – 295 – 319 – 321 – 341 – 381 – 409 – 505 – 529 – 560. <b>2009</b> – 35 – 52 – 213 – 241 – 286 – 308 – 388. <b>2010</b> – 41 – 42 – 43 – 52 – 94 – 108 – 111 –
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**Page 11, Chart 211 , Delete entire row and replace by:**

211	Satpati to Murud Janjira	2005	<b>2005</b> – 369 – 393 – 402 – 562 – 591. <b>2006</b> – 47 – 48 – 84 – 260 – 357 – <b>2007</b> – 147 – 193 – 278 – 279 – 280 – 281 – 316 – 317 – 319 – 320 – 425 – 521 – 523 – 524 – 525 – 526 – 527 – 548 – 550 – 594. <b>2008</b> – 115 – 116 – 117 – 381 – 382 – 409 – 443 – 503 – 526 – 527. <b>2009</b> – 35 – 240 – 263 – 264 – 373 – 390. <b>2010</b> – 55 – 68 – 107 –
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**Page 11, Chart 212 , Delete entire row and replace by:**

212	Murud – Janjira Hr. to Ratnagiri	2003	<b>2003</b> – 146 – 362 – 401. <b>2004</b> – 131 – 186 – 206 – 399 – 465 – 494. <b>2005</b> – 205. <b>2008</b> – 252 – 291 – 410 – 443 – 463 – 482. <b>2009</b> – 188 – 355. <b>2010</b> – 32 – 41– 65 – 93 –
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**Page 11, Chart 216 , Delete entire row and replace by:**

216	Belekeri to Kundapura (Coondapoor)	2004	<b>2004</b> – 147 – 466. <b>2005</b> – 44. <b>2006</b> – 50 – 106 – 155 – 157 – 175 – 262. <b>2007</b> – 194 – 354 – 426 – 552 – 596 – 597. <b>2008</b> – 118 – 182 – 341. <b>2009</b> – 141 – 142 – 143 – 173 – 296 – 308. <b>2010</b> – 52 – 53 –
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**Page 11, Chart 255(INT 7334) , Delete entire row and replace by:**

255 (INT 7334)	Approaches to Mumbai (Bombay)	2001	<b>2001</b> – 412. <b>2002</b> – 213 – 226 – 348. <b>2003</b> – 79 – 129 – 136 – 145 – 190 – 216 – 292 – 308 – 315 – 434. <b>2004</b> – 132 – 283 – 361 – 496. <b>2005</b> – 75 – 165 – 166 – 167 – 393 – 402 – 562 – 591. <b>2006</b> – 47 – 48 – 84 – 103 – 260 – 335 – 357. <b>2007</b> – 147 – 278 – 279 – 281 – 316 – 319 – 320 – 523 – 524 – 525 – 526 – 527 – 548 – 592 – 594. <b>2008</b> – 91 – 92 – 115 – 117 – 149 – 180 – 319 – 381 – 409 – 443 – 503 – 526. <b>2009</b> – 35 – 126 – 373 – 390. <b>2010</b> – 55 – 106 – 107 – 116 – 117 –
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**Page 13, Chart 2016(INT 7336) , Delete entire row and replace by:**

2016 (INT 7336)	Inner Approaches to Mumbai	2003	<b>2004</b> – 82 – 104 – 185 – 205 – 224 – 225 – 258 – 283 – 310 – 496. <b>2005</b> – 166 – 393 – 402 – 562. <b>2006</b> – 47 – 48 – 84 – 260 – 336 – 357. <b>2007</b> – 147 – 173 – 193 – 278 – 279 – 280 – 281 – 317 – 318 – 381 – 423 – 424 – 425 – 448 – 521 – 522 – 523 – 524 – 525 – 526 – 527 – 548 – 549 – 551 – 594. <b>2008</b> – 92 – 93 – 115 – 116 – 117 – 381 – 382 – 409 – 443 – 503 – 526 – 527. <b>2009</b> – 91 – 219 – 240 – 321 – 373 – 390. <b>2010</b> – 55 –
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**Page 16, Chart 2076(INT 7366) , Delete entire row and replace by:**

2075 (INT 7366)	Approaches to Tuticorin; Tuticorin Harbour	2008	<b>2008</b> – 483. <b>2010</b> – 112 –
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**Page 17, Chart 31 , Delete entire row and replace by:**

31	Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River)	1976	<b>1977</b> – 174 – 525. <b>1978</b> – 184 – 234 – 260 – 570. <b>1979</b> – 642. <b>1980</b> – 43 – 115 – 174 – 204 – 243 – <b>1981</b> – 39 – 145 – 147 – 274 – 598 – 672. <b>1982</b> – 265 – 313 – 336 – 499 – 582 – 614 – <b>1983</b> – 257 – 532. <b>1984</b> – 349 – 350 – 379 – 400 – 537 – 555 – 576. <b>1985</b> – 62 – 64 – 171 – 195 – 221 – 308 – 569. <b>1986</b> – 136 – 218 – 220 – 518 – <b>1987</b> – 239 – 572 – 573. <b>1988</b> – 76– 167 – 213 – 214 – 215 – 456 – 476 – 527 – 550 – 621. <b>1989</b> – 105 – 443. <b>1990</b> – 115 – 159 – 320. <b>1992</b> – 190 – 241 – 332. <b>1993</b> – 122 – 123 – 169 – 314. <b>1994</b> – 202 – 235 – 256 – 279 – 307 – 318 – 364 – <b>1995</b> – 428. <b>1996</b> – 55 – 148. <b>1997</b> – 41 – 226 – 368 – 403 – 465. <b>1998</b> – 134 – 317 – 383 – 385. <b>1999</b> – 228 – 330 – 425. <b>2000</b> – 259 – 263 – 264 – <b>2001</b> – 184 – 338 – 408. <b>2002</b> – 213 – 286 – 308 – 350 – 471 – 472. <b>2003</b> – 79 – 415 – 437. <b>2004</b> – 227 – 331 – 402. <b>2005</b> – 122 – 136 – 257 – 319 – 404 – 617. <b>2006</b> – 52 – 54 – 157 – 332 – 415. <b>2007</b> – 63 – 72 – 251 – 434 – 556 – 655 – 662. <b>2008</b> – 74 – 99 – 122 – 123 – 155 – 268 – 270 – 272 – 304. <b>2009</b> – 144 – 145 – 146 – 147. <b>2010</b> –
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**Page 17, Chart 33 , Delete entire row and replace by:**

33	Bay of Bengal – Southern Portion	1980	<b>1980</b> – 499 – 563. <b>1981</b> – 116 – 197 – 650. <b>1982</b> – 213 – 301 – 314. <b>1983</b> – 189 – 295 – 487. <b>1984</b> – 400 – 587. <b>1985</b> – 222 – 223 – 262 – 384 – 385. <b>1986</b> – 59 – 110 – 331 – 354 – 355 – 356 – 453 – 455. <b>1987</b> – 118 – 572 – 573. <b>1990</b> – 47 – 86 – 441. <b>1991</b> – 220 – 274. <b>1992</b> – 349. <b>1993</b> – 122. <b>1994</b> – 30. <b>1995</b> – 53 – 105 – 157 – 214. <b>1996</b> – 88. <b>1997</b> – 66 – 403 – 437. <b>1998</b> – 313 – 321 – 348 – 426 – 478. <b>1999</b> – 107 – 304 – 326 – 430 – 443. <b>2000</b> – 240. <b>2001</b> – 47. <b>2002</b> – 330 – 349 – 350 – 384 – 386 – 471. <b>2003</b> – 79 – 92 – 294 – 302 – 362 – 438. <b>2004</b> – 226. <b>2005</b> – 136 – 236 – 289 – 560. <b>2007</b> – 240 – 241 – 251 – 657. <b>2008</b> – 99 – 124 – 132 – 363 – 364 – 445. <b>2010</b> – 122 –
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**Page 17, Chart 301, Delete entire row and replace by:**

301	Approaches to Hugli River	2007	<b>2007</b> – 95 – 283 – <b>2008</b> – 151 – 172 – 298 – 322 – 343 – 362. <b>2009</b> – 392. <b>2010</b> –
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**Page 18, Chart 354 (INT 7408) , Delete entire row and replace by:**

354 (INT 7408)	Sacramento Shoal to Kalingapatnam	2009	<b>2009</b> – 168 – 179 – 243 – 375. <b>2010</b> –
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**Page 20, Chart 41 , Delete entire row and replace by:**

41	Andaman Sea	2006	<b>2007</b> – 122 – 241 – 293 – 458 – 636 – 657. <b>2008</b> – 37 – 76 – 124 – 267 – 269 – 270 – 348 – 363 – 451. <b>2009</b> – 54 – 149 – 196 – 233 – 269 – 291 – 338 – 366. <b>2010</b> – 122 –
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**Page 21, Chart 4017 , Delete entire row and replace by:**

4017	Revello and Beresford Channels; Expedition and Grand Harbours	2003	<b>2003</b> – 346 – 363 – 384. <b>2004</b> – 403. <b>2005</b> – 234. <b>2006</b> – 159. <b>2008</b> – 86. <b>2009</b> – 314. <b>2010</b> –
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**Page 23, Chart 360 , Delete entire row and replace by:**

360	Pussur River to Elephant Point	2005	<b>2006</b> – 64 – 332 – 591. <b>2007</b> – 63 – 155 – 434. <b>2008</b> – 74 – 155 – 540 – 588 – 629. <b>2009</b> – 163. <b>2010</b> –
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**Page 23, Chart 410, Delete entire row and replace by:**

410	Western Approaches to Rangoon River	1985	<b>1987</b> – 425 – 459. <b>1990</b> – 44. <b>1991</b> – 25 – 385. <b>1994</b> – 246. <b>1995</b> – 316. <b>1996</b> – 387. <b>1998</b> – 62 – 102 – 135 – 211. <b>2000</b> – 92. <b>2002</b> – 74 – 187 – 274. <b>2003</b> – 133. <b>2005</b> – 45. <b>2008</b> – 37. <b>2010</b> –
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**Page 24, Chart 435 , Delete entire row and replace by:**

435	Langkawi Island to Pinang Island	1986	<b>1986</b> – 413. <b>1987</b> – 303. <b>1988</b> – 45. <b>1989</b> – 407. <b>1990</b> – 103 – 263. <b>1992</b> – 83 – 218 – 380 – 458. <b>1993</b> – 87 – 170 – 223. <b>1994</b> – 165 – 236. <b>1996</b> – 352 – 353 – 366. <b>1997</b> – 142 – 227 – 228 – 251 – 389 – 473. <b>1998</b> – 64 – 207 – 387 – 487. <b>2001</b> – 89 – 234. <b>2002</b> – 75 – 289. <b>2003</b> – 107 – 352. <b>2004</b> – 261 – 415. <b>2005</b> – 560. <b>2007</b> – 565. <b>2008</b> – 571. <b>2009</b> – 53 – 71 – 152 – 182 – 194 – 195 – 326. <b>2010</b> –
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**Section IV, Page No. 67****DETAILS OF INDIAN CHART AGENTS***Delete following Address:*

M/s GLOBAL CHARTS AND NAVAIDS PVT. LTD.  
 1-A, Goa Mansion, Ground Floor  
 58, DR. Sunderlal Bahl Path,  
 Near GPO Fort,  
 Mumbai-400 001  
 Tel: +91-22-22626318, 22626380, FAX: 91-22-22621488  
 Email: sales@globalcharts.in

*Insert following Address:*

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

**CORRECTIONS TO INDIAN NOTICES TO MARINERS**  
**SPECIAL EDITION – 2008****Special Notice No. 28, Page No. 199****LIST OF DEPOTS AND CHARTS AGENTS FOR THE SALE OF INDIAN CHARTS AND**  
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 Near GPO Fort,  
 Mumbai-400 001  
 Tel: +91-22-22626318, 22626380, FAX: 91-22-22621488  
 Email: sales@globalcharts.in

*Insert following Address:*

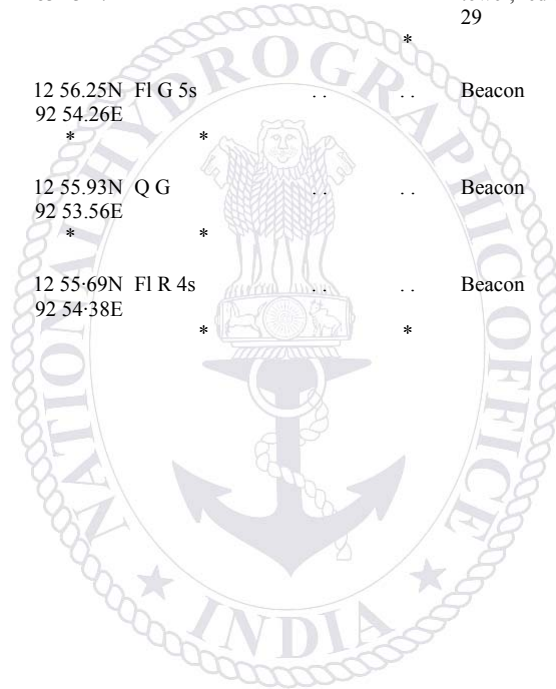
M/s Maritime Charts and Publications  
 New No. 221, Old No. 107, Unit No. F9,  
 Hotel Chennai Palace, Angappa Naicken Street  
 Chennai – 600001,  
 Telefax : 044-42165008  
 Email: maritimeindia@airtelmail.in

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

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D7652-1	- No 23	30 03-35N 49 00-79E	FI(3)G 12s	..	..	Green beacon	
		*	*				
E6053-69	- Qita' al Kirsh	22 26-05N 38 59-83E	VQ(3)W 10s				
	*	*	*	*	*	*	*
E6053-86	-	22 15-43N 38 57-23E	FI R				
	*	*	*	*	*	*	*
E6053-861	-	22 14-29N 38 56-86E	FI G				
	*	*	*	*	*	*	*
E6053-862	-	22 09-30N 38 56-32E	FI G				
	*	*	*	*	*	*	*
E6053-8625	-	22 08-83N 38 54-79E	FI R				
	*	*	*	*	*	*	*
E6053-863	-	22 05-31N 38 57-42E	Q G				
	*	*	*	*	*	*	*
E6053-8631	-	22 04-94N 38 56-86E	FI R				
	*	*	*	*	*	*	*
E6053-8632	-	22 04-14N 38 57-21E	Q W				
	*	*	*	*	*	*	*
E6053-864	- Ra's Hātibah. W	22 01-14N 38 53-64E	FI R				
	*	*	*	*	*	*	*
E6053-8642	- Ra's Hātibah. E	22 00-97N 38 55-34E	FI G				
	*	*	*	*	*	*	*
E6053-865	-	21 52-82 N 38 54-40 E	Q W				
	*	*	*	*	*	*	*
E6053-866	- Eliza Shoals. NE	21 46-63N 38 58-36E	VQ(3)W 15s				
	*	*	*	*	*	*	*
E6053-867	- Eliza Shoals. E	21 39-79N 38 59-64E	Q W				
	*	*	*	*	*	*	*
F0386	- Chānk Tāpu. Off N side	22 32-89N 69 24-57E	FI W 15s	12	11	White 4-sided concrete tower, black bands	<i>fl l</i>
						*	
F0712-5	Quilon. Outer Breakwater. Head	8 52-16N 76 35-04E	FI R 2s				
	*	*	*	*	*	*	*

7.2

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
F0712-52 *	Quilon. Inner Breakwater. Head *	8 52-44N 76 34-95E	FI G 2s *	*	*	*	*
F0969	- Entrance. N Breakwater. Head	17 37-70N 83 14-80E	FI G 10s	..	5 *		
F0969-1	- Entrance. S Breakwater. Head	17 37-40N 83 14-90E	FI R 10s	..	5 *		
F0969-2	- Transit. Front	17 37-48N 83 13-76E	Q W	..	12 *	White 4-sided framework tower, red bands 14 *	
F0969-21	- Transit. Rear. 500m from front	17 37-46N 83 13-47E	Oc W 10s	..	12 *	White 4-sided framework tower, red bands 29 *	
F1202.5	Mayabander Harbour. Orchid Island. *	12 56.25N 92 54.26E	FI G 5s *	..	..	Beacon	
F1202.52	- Egg Island *	12 55.93N 92 53.56E	Q G *	..	..	Beacon	
F1202-53	- NE Shoal *	12 55-69N 92 54-38E	FI R 4s *	..	..	Beacon	
F1653	Remove from list						



**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**

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

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

**NIL**

**INP 31(5), 1997**

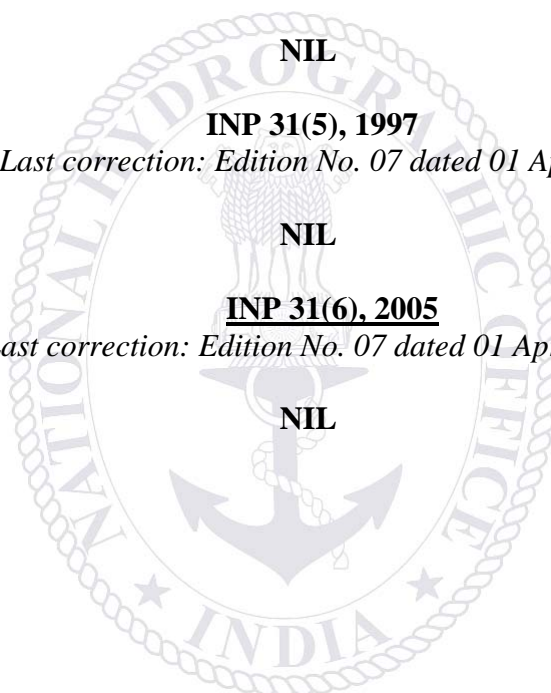
*(Last correction: Edition No. 07 dated 01 Apr 09)*

**NIL**

**INP 31(6), 2005**

*(Last correction: Edition No. 07 dated 01 Apr 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@dataone.in; inho\_marinesafety@dataone.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 harbor 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 harbor etc.	
23 Any other information considered to be useful for the mariners	

Filled By  
(Name & Designation)

Checked by  
(Name & Designation)

Place  
Date