

# INDIAN NOTICES TO MARINERS

EDITION NO. 01 DATED 01 JAN 2010

(CONTAINS NOTICES 031 TO 038)



**NATIONAL HYDROGRAPHIC OFFICE WISHES ALL MARINERS A HAPPY NEW YEAR 2010**

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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 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**

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

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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 cannot always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

**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.

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

(a) **Forthcoming Charts.**

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
<b>356 (INT 7400)</b>	<b>CHENNAI TO RAMAYPATNAM</b>	3,00,000	New Edition
<b>2030</b>	<b>SRIVARDHAN AND BANKOT ANCHORAGES</b>	25,000	New Edition

(b) **Forthcoming Electronic Navigational Charts (ENCs).**

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>
<b>IN43026A</b>	<b>3026</b>	<b>APPROACHES TO VADAREVU AND NIZAMPATNAM BAY</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:

<p>The Chief Hydrographer to the Government of India National Hydrographic Office 107-A, Rajpur Road Dehradun- 248001 Uttarakhand, India Tele: +91-135- 2747365 Fax: +91-135-2748373 Email: inho@dataone.in in角度_marinesafety@dataone.in Website: www.hydrobharat.nic.in</p>	<p>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</p>
<p>United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Telex: 46274 Email: helpdesk@ukho.gov.uk Web site: www.ukho.gov.uk</p>	<p>Director General Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail:-gerry.larsson-fedde@statkart.no Website: - www.primar.org</p>

## TEMPORARY AND PRELIMINARY NOTICES

*In Force 01 Jan 2010*

*(Former In Force List dated 01 Oct 2009 is cancelled)*

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### Cancelled Notices

<i>Area</i>	<i>Notice No.</i>
1	621/09.
2	072/06, 230/06, 256/06, 496/06, 306/07, 582/07, 400/08, 401/08, 524/08, 550/08, 595/08, 596/08, 082/09, 083/09, 105/09, 106/09, 215/09, 226/09, 250/09, 319/09, 332/09, 353/09.
3	063/03, 343/03, 193/04, 389/04, 088/05, 135/05, 428/06, 219/07, 222/07, 109/08, 201/08, 331/08, 373/08, 404/08, 555/08, 582/08, 122/09, 134/09, 184/09, 253/09, 384/09.
4	Nil

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#### 1. AFRICA EAST COAST, MADAGASCAR, RED SEA, ARABIA, PERSIAN GULF, PAKISTAN

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
506/04	20 – 8004.	IRAN – Khuran (Clarence Strait) – Jetty. Buoyage. Depths. Drying height. Pilot boarding place. Lights. Mooring buoys.
445/06	20 – 21 – 286 – 291 – 2088 – 2094 – 2095 – 2096 – 7703 (INT703) – 7705(INT 705) – 8009 – 8010.	ARABIAN SEA – RED SEA – Submarine cables.
446/06	20 – 21 – 22 (INT 752) – 255 (INT 7334) – 291 – 292 (INT 7021) – 2016 (INT 7336) – 2088 – 2094 – 2095 – 2096 – 7705(INT 705) – 7706 (INT 706).	ARABIAN SEA – Seeb to Mumbai (Bombay) – Submarine cable.
577/06	20.	SAUDI ARABIA – EAST COAST – Buoyage. Restricted areas.
598/06	20.	SAUDI ARABIA – EAST COAST – Al Khubar to Al Kuwait, KUWAIT – Submarine cable.
599/06	20.	BAHRAIN – Al Manama to SAUDI ARABIA, Al Khubar – Submarine cable.
600/06	20 – 8004.	KUWAIT – Al Kuwait to Bandar 'Abbas, IRAN – Submarine cable
249/08	20 – 288 – 289 – 8004.	UNITED ARAB EMIRATES – QATAR – Submarine cables.
354/08	20 – 289.	UNITED ARAB EMIRATES – Jazirat Das to Ras al Qila – Submarine pipeline.
110/09	8008.	INDIAN OCEAN – Cabo Delgado to Lamu Bay – United Republic of Tanzania – Met Ocean Buoys.
201/09	2049 – 2050.	PAKISTAN – Karachi Harbour – Lower Harbour Eastwards – Works.
272/09	245 – 289 – 290 – 8004.	GULF OF OMAN – United Arab Emirates – Fujairah (Fujayrah) and Khawr Fakkan – Anchorage areas. Breakwater. Buoyage. Restricted area.Works.

## 2. INDIA WEST COAST – INDIAN OCEAN

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
137/04	21 – 203 – 2068 – 7705 (INT705).	INDIA – WEST COAST – Gulf of Kachchh – Ballast Split.
102/05	2021 – 2068 – 2080.	INDIA – WEST COAST – Gulf of Kachchh – Mundra Port – Work.
171/08	2040.	INDIA – WEST COAST – Porbandar Anchorage – Depth.
216/08	273 – 2006.	INDIA – LAKSHADWEEP – Minicoy Island – Construction work.
439/08	2080 – 2018 (INT 7321) – 2059 (INT 7322).	INDIA – WEST COAST – Kandla – Sogal channel – Buoy. Jetty.
084/09	2053.	INDIA – WEST COAST – Sacrifice Rock to Beypore – Breakwater.
085/09	2047.	INDIA – LAKSHADWEEP – Plans in Lakshadweep – Kalpitti to Parali Island – Agatti – Jetty.
130/09	22 (INT 752) – 23 – 268 (INT 7353) – 272 – 273 – 292 (INT 7021) – 293 (INT 7022) – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7705 (INT 705)	INDIAN OCEAN – INDIA – WEST COAST– Arabian Sea – Data Buoys.
132/09	21 – 33 – 271 – 292 (INT 7021)	INDIA – WEST COAST & INDIAN OCEAN – Tsunami Data Buoys.
248/09	22(INT752) – 705(INT705).	INDIA – ARABIAN SEA – Buoys.
249/09	253 (INT7328) – 206 – 2055.	INDIA – WEST COAST – Mul Dwarka Port – Data Buoys.
252/09	2022 (INT 7345).	INDIA – WEST COAST – Approaches to Mormugoa – Buoy.
318/09	21 – 292 (INT 7021) – 255 (INT 7334) – 210 – 211.	INDIA – WEST COAST– Satpati – Light.
328/09	2011.	INDIA – WEST COAST – Jaigarh Harbour – Works. Buoys.
329/09	203(INT 7319) – 2068.	INDIA – WEST COAST – Gulf of Kachchh – Deep water route – Buoy.
330/09	203(INT 7319) – 2068 – 2060 – 2079.	INDIA – WEST COAST – Gulf of Kachchh – Deep water route – Buoy.
331/09	203(INT 7319) – 2068.	INDIA – WEST COAST – Gulf of Kachchh – Deep water route – Buoy.
354/09	21 – 22 – 292(INT 7021) – 293(INT 7022) – 255(INT 7334) – 256 (INT 7340) – 7705 (INT 705) – 7706 (INT 706).	INDIA – WEST COAST – Off Mumbai – Seismic Survey.
367/09	2020 – 2078 (INT 7346).	INDIA – WEST COAST – Approaches to Mormugao – Construction Work.
368/09	22 (INT 752) – 23 – 32 (INT 754) – 214 – 215 – 221 – 257 (INT 7343) – 259 (INT 7356) – 260 (INT 7362) – 261 – 263 (INT 7383) – 293 (INT 7022).	INDIA – WEST COAST – Arabian Sea – ADCP Moorings.

**3. INDIA EAST COAST – ANDAMAN NICOBAR, SRI LANKA, MAYANMAR**

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
540/05	7708 (INT 708).	INDIAN OCEAN – Cocos Islands – Light– beacon.
106/07	358(INT 7394) – 317.	INDIA – SRILANKA – Palk Bay – Western Portion – Obstructions.
419/07	406 – 4010.	ANDAMAN SEA – INDIA – Little Andaman Islands – Hut Bay – Light.
200/08	32 (INT754) – 33 – 357 (INT 7397) – 3007 – 3033.	INDIA – EAST COAST – Chemplast Karaikal Terminal – Construction Work. Dredging.
220/08	31 – 351 – 3017.	INDIA – EAST COAST – Approaches to Dhamra River – Construction Work.
246/08	33 – 41 – 471 – 472(INT 7032) – 409 – 4035 – 4039.	ANDAMAN SEA – INDIA Nicobar Island – Campbell Bay – Jetty Construction.
131/09	31 – 32 (INT 754) – 33 – 41 – 356 (INT 7400) – 391 – 407 – 472(INT 7032) – 473 (INT 7031).	INDIA– EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys.
154/09	4019.	BURMA – Rangoon river – Channel. Depths. Recommended route. Buoyage. Wrecks. Port Developments. Coastline. Drying contour. Bridge.
185/09	225 – 2063.	SRI LANKA – WEST COAST – Colombo Harbour and Approaches – Depths.
199/09	3035.	INDIA – EAST COAST – Gangavaram Port – Data Buoy.
200/09	31– 32(INT 754) – 353 – 391 – 354(INT 7408) – 356(INT 7400).	INDIA – EAST COAST – Bay of Bengal – Chennai to Kalingapatnam – Underwater Moorings.
202/09	23 – 31 – 33 – 7702(INT 702) – 7706(INT 706) – 7707(INT 707).	INDIAN OCEAN – Data buoys.
254/09	23 – 32 (INT 754) – 33 – 41 – 225 – 264 – 356 (INT 7400) – 371 – 391 – 7706 (INT706).	INDIA – BAY OF BENGAL – Buoys.
340/09	352 (INT 7416) – 3010 (INT 7418).	INDIA – EAST COAST – Paradip Port – Buoy.
383/09	33 – 41 – 473 (INT 7031) – 405.	INDIA – ANDAMAN ISLANDS – South Andaman Island – Chidiyatapu – Light.
395/09	308 – 3002(INT 7410) – 3012(INT 7411).	INDIA – EAST COAST – Approaches to Visakhapatnam – Submarine Pipeline. Single Point Mooring. Buoy.
37/10	225 – 2063.	SRI LANKA – WEST COAST – Colombo Harbour and Approaches – Construction Work. Restricted area. Recommended routes.
38/10	3028.	INDIA – EAST COAST – Port of Ennore – Jetty. Construction Work. Dredging.

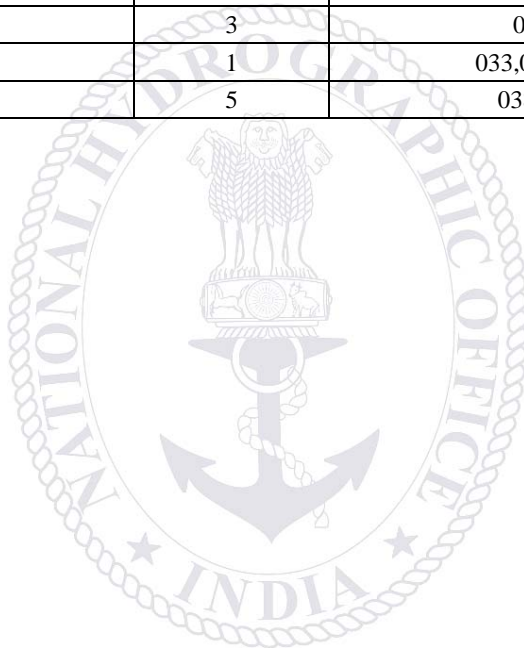
**4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA**

383/03	33 – 41.	INDONESIA – Sumatera – North and Northwest Coasts – Restricted area.
223/07	4026 – 4027.	MALAYSIA – Peninsular Malaysia, West Coast – Pinang Harbour – Coastline. Works. Lights. Beacons. Depths. Drying patch. Wrecks. Obstructions. Dredged areas. Marine farms.
377/07	7508(INT 508).	INDONESIA – Sumatera – Pulau Belitung West Coast – Tanjungpandan to Jawa North Coast – Pakis – Submarine cable.
341/09	41 – 9001.	INDONESIA – Sumatera – East Coast – Teluk Aru Eastwards – Submarine pipeline.

**SECTION – I**

The list of charts affected by the Notices 031 to 038 contained in this edition are as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
20	1	035
212	3	032
213	3	031
225	1	037(P)
256 (INT 7340)	3	032
257 (INT 7343)	3	031
288	1	035,036
289	1	036
293 (INT 7022)	3	032
357 (INT 7397)	5	034
2030	3	032
2042	3	031
2063	1	033,037(P)
3028	5	038(P)





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

**\*031/(01/10) INDIA – WEST COAST – Approaches to Malvan – Wreck.**

Source: NAVAREA VIII Warning 521/09.

(HJ/1030/77)

**Wreck of fishing boat Shiv Shanker.**

**Chart 257 (INT 7343)** [previous update 388/09 ]

Insert  PA 15° 57'·45N., 73° 29'·02E.

**Chart 213** [previous update 287/09 ]

Insert  PA 15° 57'·45N., 73° 29'·02E.

**Chart 2042** [previous update NE 31 Oct 07 ]

Insert  PA 15° 57'·45N., 73° 29'·02E.

**\*032/(01/10) INDIA – WEST COAST – Srivardhan and Bankot Anchorages – Wreck.**

Source: NAVAREA VIII Warning 517/09.

(HJ/1030/77)

**Wreck of Trawler.**

**Chart 293 (INT 7022)** [previous update 388/09 ]

Insert  PA 17° 58'·00N., 72° 51'·05E.

**Chart 256 (INT 7340)** [previous update 287/09 ]

Insert  PA 17° 58'·00N., 72° 51'·05E.

**Chart 212** [previous update 355/09 ]

Insert  PA 17° 58'·00N., 72° 51'·05E.

**Chart 2030** [previous update NC 31 Aug 00 ]

Insert  PA 17° 58'·00N., 72° 51'·05E.

**\*033/(01/10) SRI LANKA – WEST COAST – Colombo – Port Limit. Legend.**

Source: BA Chart 1655.

(HJ/930/70)

**Chart 2063** [previous update 365/09]

Insert port limit, -----, joining: (a) 7° 02'·00N., 79° 51'·65E. (Shore)  
(b) 7° 02'·00N., 79° 44'·40E. (W Border)

legend, COLOMBO PORT LIMIT, along: (a) – (b) above

Delete port limit with associated legend, “Limit of Port of Colombo”, joining: 6° 59'·12N., 79° 52'·15E. (Shore)  
6° 59'·70N., 79° 45'·65E.  
6° 55'·15N., 79° 44'·72E.  
6° 55'·20N., 79° 50'·72E. (Shore)

*former INM 193(P)/04 is cancelled.*

**\*034/(01/10) INDIA – EAST COAST – Point Calimere to Chennai (Madras) – Mugaiyur Port – Port Limit. Legend.**

Source: Tamil Nadu Maritime Board.

(HJ/1029/29)

**Chart 357 (INT 7397)** [previous update 312/09]

Insert port limit, -----, joining: (a) 12° 24'·28N., 80° 06'·86E. (Shore)  
 (b) 12° 22'·25N., 80° 09'·43E.  
 (c) 12° 22'·43N., 80° 08'·05E.  
 (d) 12° 23'·15N., 80° 05'·90E.

legend, Mugaiyur Port Limit, within: (a) – (d) above

**035/(01/10) SAUDI ARABIA – EAST COAST – Jazirat Harqus North– westwards – Wreck.**

Source: BA Notice – 58/10.

(HJ/1133/80)

**Chart 20** [previous update 352/09]

Insert  28° 01'·0N., 49° 28'·9E.

**Chart 288** [previous update 363/09]

Insert  28° 01'·0N., 49° 28'·9E.

**036/(01/10) UNITED ARAB EMIRATES – Ghaghah Southwards to Jazirat Dalma – and Jazirat Dayyinah Northwards – Submarine cable.**

Source: BA Notice 59/10.

(HJ/1132/24)

**Chart 288** [previous update 035/10]

Insert submarine cable, ~~~~~, joining: 24° 34'·2N., 51° 43'·5E.(shore)  
 24° 34'·3N., 52° 02'·2E.  
 24° 28'·0N., 52° 16'·1E. (E border)

**Chart 289** [previous update 363/09]

Insert submarine cable, ~~~~~, joining: 24° 34'·2N., 51° 43'·5E.(shore)  
 24° 34'·3N., 52° 02'·2E.  
 24° 27'·5N., 52° 17'·1E.  
 24° 27'·5N., 52° 18'·7E.(shore)

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

**\*037(P)/(01/10) SRI LANKA – WEST COAST – Colombo Harbour and Approaches – Construction Work.  
Restricted area. Recommended routes.**

Source: Sri Lanka Port Authority & BA Notice – 6872(T)/09.

(HJ/930/60)

1. Reclamation work for Port Expansion is in progress in area bounded by the following coordinates:

6° 56′.941N., 79° 50′.642E.  
6° 56′.940N., 79° 50′.364E.  
6° 56′.789N., 79° 50′.255E.  
6° 56′.788N., 79° 49′.660E.  
6° 57′.435N., 79° 49′.659E.  
6° 57′.978N., 79° 50′.039E.  
6° 58′.164N., 79° 49′.857E.  
6° 57′.516N., 79° 49′.197E.  
6° 56′.292N., 79° 49′.200E.  
6° 56′.294N., 79° 50′.236E.  
6° 56′.197N., 79° 50′.398E.

- \*2. A restricted area, entry prohibited, has been established. Only vessels berthing at Colombo Harbour, visiting the offshore terminals or who have obtained permission from the Harbour Master may enter. The area is bounded by the following positions:

7° 03′.00N., 79° 51′.42E. (shore)  
7° 03′.00N., 79° 45′.00E.  
6° 52′.00N., 79° 45′.00E.  
6° 52′.00N., 79° 51′.54E. (shore)

- \*3. Due to the ongoing expansion of Colombo Harbour, recommended channels have been established as follows:

- (a) Vessels approaching the pilot boarding place should keep a good look out for departing vessels and use the channel bounded by the following positions:

Northern limit: 6° 56′.85N., 79° 45′.00E.  
6° 57′.60N., 79° 47′.20E.  
6° 59′.00N., 79° 49′.00E.  
Southern limit: 6° 56′.40N., 79° 45′.00E.  
6° 57′.40N., 79° 48′.00E.  
6° 58′.60N., 79° 49′.50E.

- (b) Vessels departing Colombo Harbour through the South– Western channel should follow the channel bounded by the following positions:

Northern limit: 6° 58′.98N., 79° 49′.17E.  
6° 58′.30N., 79° 50′.10E.  
6° 57′.64N., 79° 50′.82E.  
6° 57′.40N., 79° 50′.82E.  
Southern limit: 6° 58′.18N., 79° 49′.98E.  
6° 58′.87N., 79° 49′.07E.  
6° 57′.36N., 79° 50′.70E.

Once vessels are clear of the restricted area centred on position 6° 58′.67N., 79° 46′.63E., their course can be altered westwards.

- \*4. Due to major port expansion, numerous vessels can be expected whilst approaching and departing Colombo Harbour. Mariners are advised to navigate with caution and consult the port authority for the latest information.

5. ***Former INM 331(P)/08 is cancelled.***

6. \* Indicates new or revised entry.

**Charts affected – 225 – 2063.**

**\*038(P)/(01/10) INDIA – EAST COAST – Port of Ennore – Jetty. Construction Work. Dredging.**

Source: Ennore Port Limited

(HJ/1029/39)

1. The following Jetty/Berth are under construction at Ennore port for the purpose of loading/unloading of iron ore, coal and multipurpose liquid cargo such as chemical, carbon black and POL etc.

Sl.	Description	Coordinates	Present Status	Remarks
*1.	A Permanent jetty under construction for the purpose of Multi Liquid cargo handling. Length 360m, width 25m	13° 16'·027N, 80° 21'·040E.	Completed	
		13° 16'·029N, 80° 21'·054E.		
		13° 16'·223N, 80° 21'·036E.		
		13° 16'·222N, 80° 21'·022E.		
		13° 16'·191N, 80° 21'·039E.		
		13° 16'·197N, 80° 21'·108E.		
		13° 16'·188N, 80° 21'·109E.		
*2.	A Temporary barge jetty has been constructed for the purpose of iron ore loading. Head alignment is in direction 015°–195°. Length 7m and width 21m	13° 16'·11N, 80° 20'·51E.	Completed	
		13° 16'·10N, 80° 20'·65E.		
3.	A Permanent jetty under construction for the purpose of coal handling. Length 360m, width 24m	13° 15'·684N, 80° 20'·560E.	Under Construction	Expected to complete in Aug 2010.
		13° 15'·683N, 80° 20'·346E.		
		13° 15'·696N, 80° 20'·346E.		
		13° 15'·697N, 80° 20'·560E.		
4.	A Permanent jetty under construction for the purpose of iron ore handling. Length 560m, width 32m	13° 15'·702N, 80° 20'·667E.	Under Construction	Expected to complete in Aug 2010.
		13° 15'·701N, 80° 20'·346E.		
		13° 15'·719N, 80° 20'·346E.		
		13° 15'·720N, 80° 20'·667E.		

\*2. Dredging is in progress in the port.

3. Mariners are advised to exercise caution and contact local port authorities for more information.

4. **Former INM 582(P)/08 is cancelled.**

5. \* Indicates new or revised entry.

**Charts affected – 3028.**

**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: CorMallie <a href="mailto:cor@chartworx.nl">cor@chartworx.nl</a></p>	
<p>* Indicates C Map Norway AS has changed name to <b>Jeppesen Marine Norway AS</b>. Indicates C Map India has changed name to <b>Jeppesen India</b>.</p>		

## SHIP REPORTING SYSTEM (INDSAR)

1. In compliance to the provisions of international convention of Maritime Search and Rescue, 1979 (SAR convention 1979 ), and to provide/coordinate effective search and rescue operation in a possible event of unfortunate Marine causality the Indian Coast Guard brought in to operations the ship position reporting system w.e.f. 01 feb 2003 under the name “Indian Ship Reporting System” (INDSAR). The INDSAR is an advanced computerized system designed to contribute to safety of life at sea and is operated and maintained by the Indian Coast Guard through Maritime Rescue Coordinate centre in Mumbai. **All vessels transiting in the Indian Search and Rescue Region are requested to follow the guide lines as promulgated in Indian Notices to mariners “Special Edition to Notices to Mariners Notice no. 8 (Para 21 through 51)” for prompt action.**

2. INDSAR is a mandatory reporting by all Indian registered ships of 100 GRT or more including sailing and fishing vessels engaged in international and domestic coastal routes. The Indian Govt. encourages foreign ships of 100 GRT and above to participate in the INDSAR voluntarily for effective SAR co ordination and safety of life at sea. However position reporting is mandatory for all the vessels carrying dangerous goods, disabled vessels/ vessels of more than 20 years and those which require assistance due to urgency/distress.

3. With a view to encourage position reporting by merchant vessels transiting in ISRR to the Indian Ship Reporting System (INDSAR), INMARSAT – C Special access Toll free 43 code through LES PUNE is activated.

4. Procedure to send INDSAR ship report through INMARSAT – C Toll free Special Access code – 43 is as follows:

(a) **Header Part**

(a.i) Enter the header in following format in your message

(a.ii) m:indsar?vsnl.net

(a.iii) Where m stands for “Mail”

(a.iv) Always enter “:” after the service category m

(a.v) Kindly see that “@” sign is entered as “?”

(a.vi) Kindly see the following example where indsar@vsnl.net is entered as:  
m:indsar?vsnl.net

(b) **Message Part**

(b.i) After header is finished type “BT” (Begin text ) and then press enter in next line start typing your text messages

(b.ii) Then dial two digit codes “43” and sent the message. Transmit the message by selecting the LES ID 306 and special Access code “43” in the transmit menu with 7 bit format (for INDSAR toll free 43 special Access Code please use LES ID 306)

## 5. The complete message

The complete message looks like as shown below

---

M:indsar?vsnl.net

BT

(.....your message.....  
 .....  
 .....)

---

## 6. The above INDSAR position report can also be send the following mode:

E mail : indsar@vsnl.net, icgmrcc\_mumbai@mtnl.net.in  
 Telefax : 0091 – 22- 24316558  
 INMARSAT – C : 441907210

For any Technical Support for toll free 43 Special Access code Contact details:

Pune LES  
 Tata Communication Limited  
 Alandi Road, Dighi,  
 Pune – 411 015  
 Maharashtra - India

Telephone: 020 66153308/65343751  
 Fax: 020 66153342  
 E mail: puneles@tatacommunications.com

**ANTIPIRACY MEASURES BY SHIPS IN  
 INDIAN SEARCH AND RESCUE AND RESCUE REGION**

1. Masters of ships are advised to immediately report any incident of piracy /armed robbery/petty theft or unauthorised boarding whilst in the Indian Search and Rescue Region to the nearest Maritime Rescue Coordination Centre of the Indian Coast Guard/ nearest Port authority.
2. The contact details of the MRCCs/MRSCs are available in following publications:
  - (i) Indian Special Edition 2008 Notice No. 7 page no. 48 , para 76
  - (ii) List of Radio Signals Volume I, INP 31(1), 2005, Page No. 29 to 35.

**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 31 Dec 2009.

**2009 SERIES** – 282 340 357 367 409 429 484 500 513 517 521 530 535 536 549 556 558 559 561  
562 569 575 581 582 584 586 589 591 594 595 598 599 600 601 602 603 605 606 607 608 609  
610 611 612 613 614 615

3. NAVAREA VIII Warnings issued during the period from 16 Dec 09 to 31 Dec 09 (both dates inclusive) are as tabulated below:-

<p><b>592. Andaman Sea – India Andaman Islands.</b> Charts 33 41 404 405 473 4006 4016 INT 706. Firing practice by Naval coast battery at Ross island from 0730 UTC to 0900 UTC on 23 Dec 2009. Danger area bounded by</p> <p>(a) 11-39.70N 092-46.30E (b) 11-40.60N 092-47.00E (c) 11-37.80N 092-57.10E (d) 11-30.40N 092-48.90E</p> <p>2. Safe flying height 9000 meters. 3. Cancel this message on 24 Dec 2009.</p>
<p><b>593. Andaman Sea – India Andaman Islands.</b> Charts 41 409 472 4034 4036 INT 706 . Aircraft firing practice on Trak island from 0030 UTC to 0430 UTC on 22 Dec 2009. Danger area bounded by</p> <p>(a) 07-20.00N 093-30.00E (b) 07-38.00N 093-30.00E (c) 07-20.00N 093-48.00E (d) 07-38.00N 093-48.00E</p> <p>2. Safe flying height 7400meters. 3. Cancel this message on 23 Dec 2009.</p>
<p><b>594. India West Coast – Off Pipavav Bandar.</b> Charts 21 22 253 254 292 INT 705. Seismic survey will be carried out by Pacific Sword from 18 Dec 09 to 17 Jan 10 in area bounded by</p> <p>(a) 20-44.90N 071-27.10E (b) 20-48.60N 071-26.80E (c) 21-02.30N 071-48.60E (d) 21-02.30N 071-54.70E</p> <p>2. Vessel will be towing two streamers of 2.5 Nm length each approx 07 meters depth below the surface. Each trailing end are attached to tail buoy with radar reflectors and white flashing light spread over a width of approx 100 meters . Call sign of vessel is 9V5801. 3. All vessels operating in the area to exercise caution and give wide berth at least 01 Nm on either sides 02 Nm ahead and 05 Nm astern of the vessel. 4. Mariners are advised to:- (a) Keep well clear of survey area and follow the north/south bound recommended route by maintaining at least 1 to 2 nm east or west of this track depicted on the charts (b) Keep listening watch on vhf channel 16 for safety message giving navigational warnings on the specialised operation conducted by vessel pacific sword from 18 Dec 09 to 17 Jan 10 at an interval of 01 hour. (c) Vessel will also warn the shipping by all means of communication such as signalling appliances or morse code light as prescribed in the collision regulation 1972. In the event of maritime traffic getting closer to the distance specified in para 3 above. (d) Chase boats guarding seismic survey vessel and streamers shall also direct shipping to keep clear of this vessel and streamers at all times during operations</p>
<p><b>595. India West Coast-Off Dwarka.</b> Charts 252 271 291 292 INT 705 INT 706. Dhow MSV Dhananjay adrift in position 22-07.26N 067-51.77E. The dhow is presently unlit /unmanned and likely to sink. 2. Mariners to exercise caution.</p>
<p><b>596. Self Cancelling. Cancel Navarea VIII messages 565 and 572 of 2009. Issued by INM edition 24 of 2009.</b></p>



<p><b>597. Self Cancelling. Navarea VIII-Warning inforce</b> 2009 SERIES – 282 340 357 367 409 429 484 500 513 517 521 530 535 536 543 545 546 549 556 557 558 559 561 562 563 566 569 575 579 580 581 582 583 584 586 587 588 589 590 591 592 593 594 595 596</p>								
<p><b>598. India West Coast – Kochi Harbour.</b> Charts 22 220 259 2004 2029 INT 706. Kochi channel buoy 06 in position 09-58.02N 076-12.38E and buoy 09 in position 09-58.03N 076-14.07E off station. Buoy in position 09-58.10N 076-13.23E unlit. 2. Mariners to exercise caution.</p>								
<p><b>599. India West Coast – Arabian Sea.</b> Charts 21 207 253 254 255 292 INT 706. Survey vessel western spirit will carry out seismic survey from 26 Dec 09 to 15 Jan 10 in area bounded by following coordinates (a) 19-51.00N 071-28.00E (b) 19-51.00N 071-37.00E (c) 20-36.00N 071-37.00E (d) 20-36.00N 071-28.00E 2. Vessel will be towing six streamers of 6000 meters length each approx 08 metres below the surface. Each trailing end attached to tail buoy with radar reflectors and white flashing light spread over a width of approx 500 meters 3. All vessels operating in the area to exercise caution and give wide berth at least 02 nm on either side, 03 Nm ahead and 06 Nm astern of the vessel 4. mariners are advised to: (a) Keep well clear of survey area and vessel, (b) Keep listening watch on vhf channel 16 and working channel 72 for message giving navigational warnings, (c) Vessel will also warn shipping by signalling appliances or morse code light if shipping gets close to clearing distance as mentioned, (d) Chase boats operating with seismic survey vessel and streamers shall also direct shipping to keep clear of this vessel and streamers at all times during operations. 4. Cancel this message on 16 Jan 2010</p>								
<p><b>600. India East Coast - Gopalpur. Charts 31 352 353 354 3005 INT 706.</b> Firing exercise will be carried out on following dates</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>27 Dec to 30 Dec 2009</td> <td>2330 UTC to 0830 UTC</td> </tr> <tr> <td>06 Jan to 07 Jan 2010</td> <td>2330 UTC to 0830 UTC</td> </tr> <tr> <td>11 Jan to 12 Jan 2010</td> <td>2330 UTC to 0830 UTC</td> </tr> </tbody> </table> <p>2. Danger area bounded by (a) 19-14.60N 084-53.70E (b) 19-37.05N 085-27.85E (c) 18-46.05N 085-22.86E and arc of 42 Nm radius joining point (b) and (c) 3. Safe flying height 24500 metres. 4. Cancel this message on 13 Jan 2010.</p>	Date	Time	27 Dec to 30 Dec 2009	2330 UTC to 0830 UTC	06 Jan to 07 Jan 2010	2330 UTC to 0830 UTC	11 Jan to 12 Jan 2010	2330 UTC to 0830 UTC
Date	Time							
27 Dec to 30 Dec 2009	2330 UTC to 0830 UTC							
06 Jan to 07 Jan 2010	2330 UTC to 0830 UTC							
11 Jan to 12 Jan 2010	2330 UTC to 0830 UTC							
<p><b>601. Indian Ocean Northern Part – Port Louis Mauritius to Port Alang India.</b> Charts INT 70 INT 71 INT 72 INT 702 INT 707. On 22 Dec 09 at 1815 UTC scrap tanker Floriano was parted from its towing ocean tug Suhaili on way from port Louis Mauritius to port Alang India and adrift in position 12-08.30S 067-32.00E in east south easterly direction at about 02-03 knots. 2. Mariners to exercise caution.</p>								
<p><b>602. Indian Ocean–Western Part.</b> Charts INT 71 INT 72 INT702. Regional co operation agreement on combating piracy and armed robbery against ships in Asia (RECAAP) Singapore intimated hijack of a dhow in position 04-01.00S 048-47.00E on 22 Dec 09. Hijacked Dhow is likely to be used as mother vessel for operations to conduct further piracy attacks. The above area is likely to be vulnerable for next 24-48 hrs. 2. Mariners are warned to steer clear off above area if possible.</p>								
<p><b>603. India West Coast –Mormugao.</b> Charts 22 214 215 256 257 INT 706. Firing exercise by Naval aircraft from 0230 UTC to 1230 UTC from 01 Jan 2010 to 07 Jan 2010 in area bounded by (a) 15-13.00N 073-57.00E (b) 15-13.00N 073-52.00E (c) 15-11.00N 073-57.00E (d) 15-11.0N 073-52.00E 2. Safe flying height 3500 metres. 3. Cancel this message on 08 Jan 2010.</p>								
<p><b>604. Self Cancelling. Navarea VIII-Warning Inforce</b> 2009 series – 282 340 357 367 409 429 484 500 513 517 521 530 535 536 545 546 549 556 558 559 561 562 569 575 581 582 584 586 587 589 590 591 594 595 598 599 600 601 602 603</p>								

<p><b>605. Refer Navarea VIII message 582 of 2009. India West Coast- Arabian Sea.</b> Charts 21 253 254 292 INT 706. Rig Greatdrill Chetna moved to new position 20-03.66N 071-09.20E.</p> <p>2. Wide berth requested.</p>																								
<p><b>606. Cancel Navarea VIII Message 584 of 2009. India West Coast – Arabian Sea.</b> Charts 21 22 210 254 292 INT 706. Oil Rig Pride Hawaii moved to new position 20-04.55N 071-55.18E</p> <p>2. Wide berth requested.</p>																								
<p><b>607. India West Coast - Trivandrum.</b> Charts 22 32 222 260 INT 706. Rocket launch from Thumba equatorial rocket launching station position 08-31.98N 076-52.05E between 0430 UTC to 0630 UTC from 04 Jan 2010 to 06 Jan 2010.</p> <p>2. Danger zones:-  (a) Sector of radius 05 Nm from launcher between azimuth angles 190 degree and 300 degree  (b) sector of radii 45 Nm and 75 Nm from the launcher between azimuth angles 220 degree and 260 degree</p> <p>3. Cancel this message on 07 Jan 2010.</p>																								
<p><b>608. India West Coast- Off Mumbai.</b> Charts 21 22 211 255 292 293 2015 2016 INT 706. Hydrographic survey in progress by Hydrographic vessel from 06 Jan 10 to 16 Jan 2010 in area bounded by</p> <table border="0"> <tr> <td>(a) 18-55.00N</td> <td>071-01.45E</td> <td>(b) 19-47.00N</td> <td>070-20.98E</td> </tr> <tr> <td>(c) 19-47.00N</td> <td>070-17.58E</td> <td>(d) 18-56.55N</td> <td>070-56.83E</td> </tr> <tr> <td>(e) 18-52.00N</td> <td>070-58.52E</td> <td>(f) 18-26.33N</td> <td>070-39.93E</td> </tr> <tr> <td>(g) 18-24.58N</td> <td>070-42.00E</td> <td>(h) 18-52.38N</td> <td>071-02.13E</td> </tr> </table> <p>2. Extensive sounding and scanning operations will be undertaken within the survey area using ship/boats.  3. All vessels operating in vicinity to maintain a safe distance of at least 02 nm from ship and exercise caution.  4. Cancel this message on 17 Jan 2010.</p>	(a) 18-55.00N	071-01.45E	(b) 19-47.00N	070-20.98E	(c) 19-47.00N	070-17.58E	(d) 18-56.55N	070-56.83E	(e) 18-52.00N	070-58.52E	(f) 18-26.33N	070-39.93E	(g) 18-24.58N	070-42.00E	(h) 18-52.38N	071-02.13E								
(a) 18-55.00N	071-01.45E	(b) 19-47.00N	070-20.98E																					
(c) 19-47.00N	070-17.58E	(d) 18-56.55N	070-56.83E																					
(e) 18-52.00N	070-58.52E	(f) 18-26.33N	070-39.93E																					
(g) 18-24.58N	070-42.00E	(h) 18-52.38N	071-02.13E																					
<p><b>609. India East Coast- Visakhapatnam.</b> Charts 31 32 308 354 3002 3012 INT 706 .Firing exercise by Naval coast battery from 1500 UTC to 1700 UTC on 06 Jan and 20 Jan 2010 . Danger area bounded by</p> <table border="0"> <tr> <td>(a) 17-42.0N</td> <td>083-18.0E</td> <td>(b) 17-47.0N</td> <td>083-32.0E</td> </tr> <tr> <td>(c) 17-34.0N</td> <td>083-30.0E</td> <td>(d) 17-28.0N</td> <td>083-18.0E</td> </tr> </table> <p>2. Safe flying height 13000 metres  3. Cancel this message on 21 Jan 2010.</p>	(a) 17-42.0N	083-18.0E	(b) 17-47.0N	083-32.0E	(c) 17-34.0N	083-30.0E	(d) 17-28.0N	083-18.0E																
(a) 17-42.0N	083-18.0E	(b) 17-47.0N	083-32.0E																					
(c) 17-34.0N	083-30.0E	(d) 17-28.0N	083-18.0E																					
<p><b>610. India east coast - Gopalpur.</b> Charts 31 352 353 354 3005 INT 706. Firing exercise will be carried out on following dates</p> <table border="0"> <thead> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>05 Jan to 08 Jan 2010</td> <td>2330 UTC to 1800 UTC</td> </tr> <tr> <td>10 Jan to 13 Jan 2010</td> <td>2330 UTC to 1800 UTC</td> </tr> <tr> <td>21 Jan to 23 Jan 2010</td> <td>2330 UTC to 1800 UTC</td> </tr> </tbody> </table> <p>2. Danger area bounded by  (a) 19-14.60N 084-53.70E (b) 19-37.05N 085-27.85E  (c) 18-46.05N 085-22.86E  and arc of 42 Nm radius joining point (b) and (c)</p> <p>3. Safe flying height 24500 metres.  4. Cancel this message on 24 Jan 2010.</p>	Date	Time	05 Jan to 08 Jan 2010	2330 UTC to 1800 UTC	10 Jan to 13 Jan 2010	2330 UTC to 1800 UTC	21 Jan to 23 Jan 2010	2330 UTC to 1800 UTC																
Date	Time																							
05 Jan to 08 Jan 2010	2330 UTC to 1800 UTC																							
10 Jan to 13 Jan 2010	2330 UTC to 1800 UTC																							
21 Jan to 23 Jan 2010	2330 UTC to 1800 UTC																							
<p><b>611. India East Coast – Off Visakhapatnam.</b> Charts 31 32 353 354 355 INT 706. Survey vessel Geowave champion will carry out 3 D seismic data survey from 01 Jan 2010 to 07 Jan 2010 in area bounded by the following coordinates:-</p> <table border="0"> <tr> <td>(a) 17-30.04N</td> <td>085-44.66E</td> <td>(b) 17-43.72N</td> <td>085-30.39E</td> </tr> <tr> <td>(c) 18-30.00N</td> <td>085-38.04E</td> <td>(d) 18-30.06N</td> <td>085-38.04E</td> </tr> <tr> <td>(e) 18-07.01N</td> <td>086-02.13E</td> <td>(f) 17-58.00N</td> <td>085-52.23E</td> </tr> <tr> <td>(g) 17-49.61N</td> <td>086-00.71E</td> <td>(h) 17-42.62N</td> <td>085-59.88E</td> </tr> <tr> <td>(j) 17-36.30N</td> <td>085-52.38E</td> <td>(k) 17-30.31N</td> <td>085-58.56E</td> </tr> <tr> <td>(l) 17-30.03N</td> <td>085-58.28E</td> <td>(m) 17-30.04N</td> <td>085-44.66E</td> </tr> </table> <p>2. Vessel will tow six streamers of 8000 meters length attached to a yellow coloured tail buoy with flashing light at the end of the cable.  3. All vessels operating in the area to exercise caution and give wide berth at least 05 nm all around the vessel.  4. Cancel this message on 08 Jan 2010.</p>	(a) 17-30.04N	085-44.66E	(b) 17-43.72N	085-30.39E	(c) 18-30.00N	085-38.04E	(d) 18-30.06N	085-38.04E	(e) 18-07.01N	086-02.13E	(f) 17-58.00N	085-52.23E	(g) 17-49.61N	086-00.71E	(h) 17-42.62N	085-59.88E	(j) 17-36.30N	085-52.38E	(k) 17-30.31N	085-58.56E	(l) 17-30.03N	085-58.28E	(m) 17-30.04N	085-44.66E
(a) 17-30.04N	085-44.66E	(b) 17-43.72N	085-30.39E																					
(c) 18-30.00N	085-38.04E	(d) 18-30.06N	085-38.04E																					
(e) 18-07.01N	086-02.13E	(f) 17-58.00N	085-52.23E																					
(g) 17-49.61N	086-00.71E	(h) 17-42.62N	085-59.88E																					
(j) 17-36.30N	085-52.38E	(k) 17-30.31N	085-58.56E																					
(l) 17-30.03N	085-58.28E	(m) 17-30.04N	085-44.66E																					
<p><b>612. India East Coast-Bay of Bengal.</b> Charts 31 301 351 INT 706. Survey vessel MV Diabaz will carry out geotechnical survey from 31 Dec 2009 to 30 Jan 2010 in area bounded by</p> <table border="0"> <tr> <td>(a) 19-58.00N</td> <td>087-56.00E</td> <td>(b) 21-00.00N</td> <td>087-56.00E</td> </tr> <tr> <td>(c) 21-00.00N</td> <td>089-00.00E</td> <td>(d) 20-15.00N</td> <td>089-00.00E</td> </tr> </table> <p>2. All vessels operating in the area to exercise caution and give wide berth at least 05 nm all around the vessel.  3. Cancel this message on 31 Jan 2010.</p>	(a) 19-58.00N	087-56.00E	(b) 21-00.00N	087-56.00E	(c) 21-00.00N	089-00.00E	(d) 20-15.00N	089-00.00E																
(a) 19-58.00N	087-56.00E	(b) 21-00.00N	087-56.00E																					
(c) 21-00.00N	089-00.00E	(d) 20-15.00N	089-00.00E																					

**613. India East Coast – Off Krishnapatnam.** Charts 31 33 356 INT 706. Seismic survey in progress by survey vessel Bos Angler till 30 Jan 2010 in area bounded by

(a) 14-15.20N	080-19.70E	(b) 14-11.70N	080-22.50E
(c) 13-59.70N	080-24.10E	(d) 13-33.30N	080-19.70E
(e) 13-33.60N	080-17.60E	(f) 13-37.80N	080-15.60E
(g) 13-54.10N	080-18.30E	(h) 14-09.90N	080-12.70E

2. Vessel towing 06 in number streamers of 5500 metres length with each cable end marked with flashing yellow colour tail buoy.

3. All vessels operating in vicinity to exercise caution and give wide berth at least 04 Nm all around the vessel.

4. Cancel this message on 31 Jan 2010.

**614. India West Coast- Okha.** Charts 21 202 203 251 271 291 2013 2068 INT 705. Seaward firing practice by Naval coast battery Okha between 1030 UTC to 1230 UTC on 07 Jan 2010. Danger area bounded by

(a) 22-22.00N	068-50.00E	(b) 22-37.00N	068-53.00E
(c) 22-42.00N	069-08.00E	(d) 22-29.00N	069-04.00E

2. Safe flying height 13000 metres.

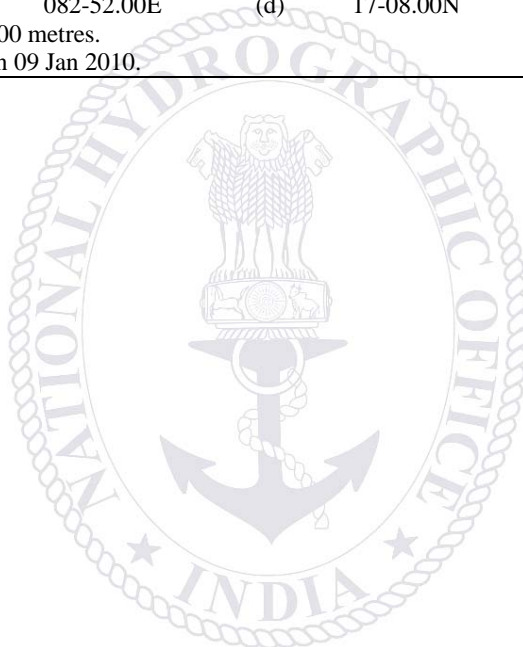
3. Cancel this message on 08 Jan 2010.

**615. Bay of Bengal-Southern Portion.** Charts 31 32 354 355 INT 706. Naval ships will carryout firing practice from 0330 UTC to 0930 UTC on 07 Jan and 08 Jan 2010 in area bounded by

(a) 16-30.00N	083-15.00E	(b) 16-52.00N	083-29.00E
(c) 16-46.00N	082-52.00E	(d) 17-08.00N	083-06.00E

2. Safe flying height 10000 metres.

3. Cancel this message on 09 Jan 2010.







**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. 21 dated 01 Nov 2009)*

**NIL**

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

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

**NIL**

**INP 31(5), 1997**

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

**NIL**

**INP 31(6), 2005**

*(Last correction: Edition No. 24 dated 16 Dec 2009)*

**NIL**

