



INDIAN NOTICES TO MARINERS



EDITION NO. 23 DATED 01 DEC 2013

(CONTAINS NOTICES 202 TO 209)

REACH US 24 x 7



incho-navy@nic.in
msis-incho-navy@nic.in



+91-135-2748373



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



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

WWW

www.hydrobharat.nic.in

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

FEEDBACK: msis-incho-navy@nic.in



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 shortcomings in Indian charts/publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section IX with this notice. Also visit our website for downloading and filling up instructions for Hydrographic Note.

**Chief Hydrographer
to the Government of India**



III

EXPLANATORY NOTES

Corrections to Charts and Publications. Section I comprises List of Charts affected by the notices contained in this edition. Whereas sections II and III contain information for correcting the charts and publications. Mariners should insist on corrected charts from their chart distributors/agents.

- (a) Geographical positions given are in the horizontal datum of the current edition of the chart, unless otherwise stated.
- (b) Bearings are true, reckoned clockwise from 000° to 359°. Bearings to lights are from seaward.
- (c) Symbols referred to, are those shown on the chart 5020 (INT 1).
- (d) Alterations to depth contours, deletion of depths to make way for new detail, etc; are not normally mentioned, unless they have some navigational significance.
- (e) Blocks and notes, if any, accompanying the Notices in Sections II and III are placed after Section IX.

Temporary and Preliminary Notices. These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. SI Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

Source of Information. A star preceding the number of a Notice indicates that the notice is promulgated by INHO based on original information received.

Sailing Directions. Corrections for the Sailing Directions (Pilots) are given in Section VI.

Lights. Corrections to Indian List of Lights are given in Section VII, where affected Light List number is quoted.

- (a) These corrections should be incorporated as per instructions given on page XI of the List of Lights.
- (b) Such correction notices to list of lights may be published in either an earlier or a later Edition of N to M than the Edition containing the Notice to the chart correction.
- (c) The range of a light given is its nominal range. Its geographical range is given in parenthesis only if it is less than the nominal range.
- (d) A star indicates that the corresponding field is to be amended and all stars indicate that new light is to be inserted.

Radio Signals. The corrections in Section VIII should be cut and pasted in the appropriate volume of the List of Radio Signals.

Radio Navigational Warnings.

- (a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.
- (b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.
- (c) It should be borne in mind that they may be based on reports which cannot always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

IV

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

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

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

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

Use of Global Positioning System (WGS 84) positions.

- (a) The positions of hydrographic objects shown on most of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist a difference in the position values obtained by visual fixing (Everest Datum) and GPS position (WGS 84 datum).
- (b) Wherever these differences have been ascertained, their average values are published as a Cautionary Note on the chart concerned, as shifts in Latitude and Longitude. Whilst plotting GPS positions on charts, the shift values as given on the chart must be applied, before making any assessment of the navigational situation vis-à-vis the other charted information.
- (c) These datum shift values are not uniform, particularly in areas off Andaman and Nicobar and Lakshadweep Islands, as these places are not linked to mainland network (Everest datum). Mariners are advised to use alternate source of position information such as Visual or Radar, particularly when closing the shore or navigating in the vicinity of dangers.

Source Data on Charts. All Indian charts contain specific information on their source of hydrographic data. In areas where the source data is very old, incomplete and less reliable, the mariner must use such charts with prudence. Mariner should always use the largest scale charts available for the area. Apart from being the most detailed, the larger scale charts are usually corrected first. Hydrographic information may be sparse on small scale charts. On such charts, a charted shoal may be in error as regards position, least depth and extent. Uncharted dangers may also exist, particularly in areas away from well-established routes. Mariners must exercise due caution.

Further Guidance. The Mariner's Hand Book (NP 100) gives full explanation on the use of charts and the type of information contained on charts. In their own interest, all users of charts should refer to it.

NEWLY PUBLISHED INDIAN CHARTS, ENC'S AND PUBLICATION

1. The new Indian Charts that is available for mariners in the market are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2105	31-10-2013	JAIGARH AND ANGRE PORTS <u>Limits</u> 17° 16'.35N; 73° 09'.05E. 17° 20'.65N; 73° 15'.90E.	12,500	3	Rs. 1870.00

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart / Edition</i>	<i>Date of Publication</i>
2105	30-11-2011	JAIGARH PORT	2105	31-10-2013

3. The forthcoming Indian Charts are as follows:-

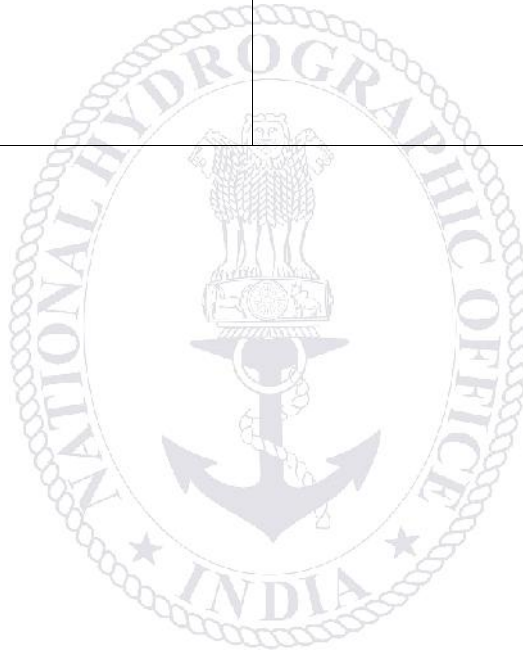
<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
210	UMARGAM TO SATPATI	150,000	New Edition
2002 (INT 7351)	PORTS OF NEW MANGALORE AND MANGALORE	20,000	New Chart
2010	KARWAR HARBOUR	12,500	New Chart
2038	RAJAPUR BAY AND VIJAYDURG HARBOUR	25,000	New Chart
2046	VENGURLA ANCHORAGE: REDI ANCHORAGE	25,000	New Chart
2513	COETIVY ISLAND	37,500	New Chart
2506	GRAND BAY AND GRAND RIVIERE NOIRE BAY	25,000	New Chart
2111	VIZHINJAM PORT	7,500	New Chart
3034	APPROACHES TO KRISHNAPATNAM	50,000	New Chart
	KRISHNAPATNAM PORT	15,000	
2079 (INT7329)	APPROACHES TO MUNDRA PORT	37,500	New Chart
2031 (INT7326)	OKHA HARBOUR	37,500	New Chart

VI

Availability of ENCs.

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

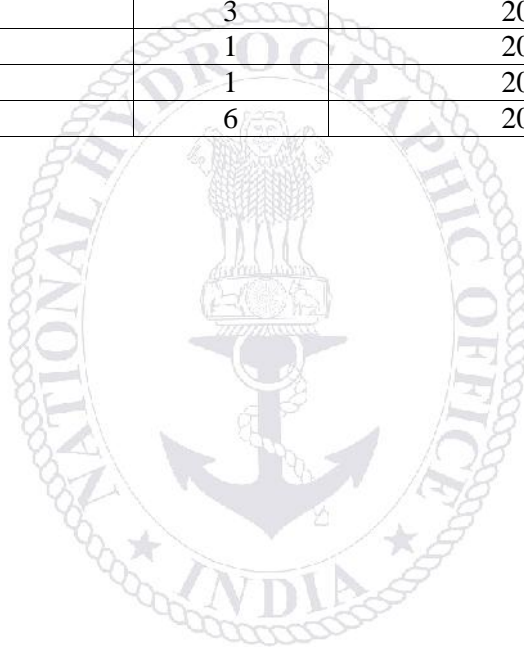
United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Telex: 46274 Email: helpdesk@ukho.gov.uk Web site: www.ukho.gov.uk	JEPPESEN MARINE Jeppesen Norway AS Hovalandsveien 52 P.O. 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: enc@jeppesen.com , info@c-map.co.no Website: www.jeppesen.com
M/s Primar Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail:-data@ecc.no Website: - www.primar.org	



SECTION – I

The list of charts affected by the Notices 202 to 209 contained in this edition are as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
215	3	204
216	3	204
257 (INT 7343)	3	204
288	1	208
289	1	208, 209
293 (INT 7022)	3	204
301	5	205
351 (INT 7419)	5	205
2008	3	204
2013 (INT 7324)	2	202
2041	3	203
2042	3	203
2088	1	207
2089	1	207
4010	6	206









SECTION – II
PERMANENT NOTICES

***202/(23/13) INDIA – WEST COAST – Gulf of Kachchh – Port of Okha – Buoys.**

Source: NHO.

Chart 2013 (INT 7324) [previous update 120/13]

Substitute	 No.1 ,for	 No.1	22° 30′·28N., 69° 03′·60E.
	 No.2 ,for	 No.2	22° 29′·11N., 69° 05′·39E.
	 No.3 ,for	 No.3	22° 29′·00N., 69° 05′·33E.

***203/(23/13) INDIA – WEST COAST SEA – Malvan Anchorage – Buoys.**

Source: IH 102 – INS Jamuna.

Chart 2041 [previous update 176/13]

Delete		16° 03′·150N., 73° 27′·357E.
		16° 01′·455N., 73° 25′·690E.
		16° 02′·590N., 73° 27′·075E.
		16° 03′·050N., 73° 27′·140E.
	 Fl.R.3s	16° 02′·860N., 73° 27′·370E.
		16° 02′·950N., 73° 27′·760E.
	 F.R	16° 03′·000N., 73° 27′·920E.

Chart 2042 [previous update 031/10]

Delete		16° 01′·51N., 73° 25′·65E.
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***204/(23/13) INDIA – WEST COAST SEA – Karwar Harbour and Approaches – Wreck.**

Source: IH 102 – INS Sutlej.

Chart 215 [previous update 114/13]

Delete		14° 49′·10N., 74° 04′·30E.
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Chart 216 [previous update 155/13]

Delete		14° 49′·10N., 74° 04′·30E.
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Chart 257 (INT 7343) [previous update 177/13]

Delete		14° 49′·20N., 74° 04′·30E.
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Chart 293 (INT 7022) [previous update 180/13]

Delete		14° 49′·20N., 74° 04′·30E.
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Chart 2008 [previous update 115/13]

Insert		14° 49′·50N., 74° 04′·05E.
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Delete		14° 49′·15N., 74° 04′·23E.
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***205/(23/13) INDIA – EAST COAST – Approaches to Hugli River – Buoy.**

Source: Kolkata Port Trust.

Chart 351 (INT 7419) [previous update 194/13]Amend buoy light to, *Q(9)15s* 21° 13′·67N., 88° 13′·06E.**Chart 301** [previous update 194/13]Amend buoy light to, *Q(9)15s* 21° 13′·67N., 88° 13′·06E.***206/(23/13) INDIA – ANDAMAN SEA – Little Andaman Islands – HUT BAY – Tower.**

Source: IH 102 – INS Investigator.

Chart 4010 [previous update NE 31 Dec 2008]

Insert		10° 35′·31N., 92° 32′·86E.
	BSNL	10° 35′·98N., 92° 32′·10E.
		10° 35′·22N., 92° 33′·70E.

207/(23/13) OMAN – Approaches to Muscat (Masqat) and Mina- al – Fahl – Fish Havens. Cautionary Note.

Source: BA Notice 5027/12.

Chart 2088 [previous update 166/13]

Insert	limit of fish haven, dotted line, joining:	23° 43′·44N., 58° 08′·76E.
		23° 43′·13N., 58° 11′·93E.
		23° 42′·26N., 58° 11′·18E.
		23° 42′·76N., 58° 08′·80E.
		and
		23° 41′·90N., 58° 13′·09E.
		23° 39′·98N., 58° 14′·64E.
		23° 39′·75N., 58° 13′·82E.
		23° 41′·26N., 58° 12′·14E.
	the accompanying note, FISH HAVENS, centered on:	23° 28′·10N., 58° 05′·00E.

Chart 2089 [previous update 064/13]

Insert	limit of fish haven, dotted line, joining:	23° 43′·26N., 58° 10′·60E.(E border)
		23° 43′·44N., 58° 08′·76E.
		23° 42′·76N., 58° 08′·80E.
		23° 42′·38N., 58° 10′·60E.(E border)
	the accompanying note, FISH HAVENS, centered on:	24° 42′·00N., 57° 19′·00E.

208/(23/13) UNITED ARAB EMIRATES – Qatar to Shatt- Al - Arab – AIS. Legends.

Source: BA Notice 5123/13.

Chart 288 [previous update 200/13]

Insert	Automatic Identification System, <i>AIS</i> , at light-buoy	26° 30′·6N., 51° 18′·3E.
	legend, <i>AIS</i> , at light-buoy	26° 33′·1N., 51° 03′·3E.

Chart 289 [previous update 200/13]

Insert	Automatic Identification System, <i>AIS</i> , at light-buoy	26° 30′·6N., 51° 18′·3E.
	legend, <i>AIS</i> , at light-buoy	26° 33′·1N., 51° 03′·3E.

209/(23/13) UNITED ARAB EMIRATES – Strait of Hormuz to Qatar – Depth.

Source: BA Notice 5124/13.

Chart 289 [*previous update 208/13*]

Delete



24° 11'·7N., 52° 14'·8E.



SECTION – III
TEMPORARY AND PRELIMINARY NOTICES

NIL



SECTION – IV **MARINE INFORMATION**

1. **NAVTEX TRANSMISSION**

MSI Promulgation by NAVTEX Stations at Mumbai and Chennai are temporarily out of operation.

(Source – DG Shipping)

2. **MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS**

All merchant vessels entering Indian EEZ are advised that dense fishing activity may be encountered off West Coast of India. Fishing is generally carried out by mechanized boats and single hull boats with outboard motors carrying 4-5 crew using long lines upto 50 NM from coast. The vessels traversing the nets are likely to be approached by fishing boats for safeguarding nets and lines and should not be mistaken as skiffs and PAG's. Masters of vessels to report any suspicious activity of fishing vessels immediately to MRCC (Mumbai) on telephone +91-22-24388065, 24316558, Email: - indsar@vsnl.net, or icgmrcc_mumbai@mtnl.net . Any suspicious activity of skiffs / boats to be photographed if possible. Merchant vessels with armed guards on board are to report presence of guards to Indian Navy/Coast Guard while transiting Indian EEZ.

(Source - NAVAREA VIII Warning 100/12)

3. **DISPLAY ANOMALIES IN ECDIS**

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website www.iho.int, to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode.

Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html for further information.

(b) Some Electronic Chart Display and Information Systems (ECDIS) may exhibit operating anomalies. The International Maritime Organization's (IMO) circular SN.1/CIRC.312 pages /imodocs.aspx (registration required) lists identified anomalies, Their characteristics and remedial advice. Mariners are reminded that they should access the International Hydrographic Organization (IHO) data presentation and performance check (DPPC) dataset (news links of <http://www.iho.int/srv1>) and ensure that all installed ECDIS units are checked.

(Source - NAVAREA VIII Warning 141/12 & 529/12)

4. **SAFETY FAIRWAYS, RECOMMENDED ROUTES, TRAFFIC SEPARATION SCHEME**

The Director General Shipping has established Safety fairways, recommended routes and traffic separation scheme (TSS) in restricted Indian waters including the offshore development area to enhance safety of navigation. The details of coordinates for the above have been published in the fortnightly Indian Notices to Mariners Edition No 14 of 2008 (16th July 2008).

(a) Safety Fairways: An area within which permits are not granted for the erection of oil or gas related structures. The use of a safety fairway is not usually mandatory, but is recommended. Safety fairways have been promulgated in and round offshore development area in Arabian Sea up to the Exclusive Economic

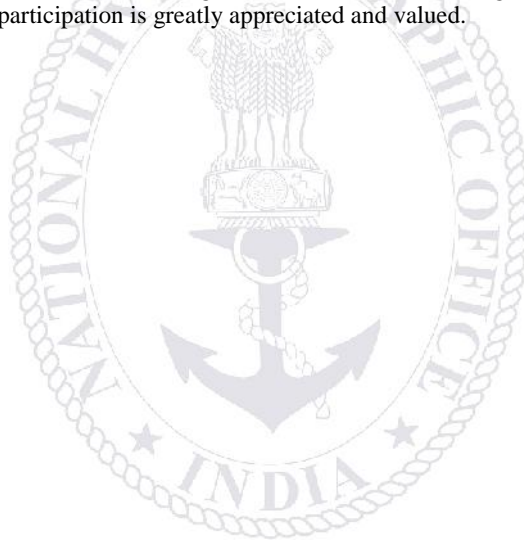
Zone (EEZ) due to increased weather related marine accidents and dense traffic. These are mandatory for all Indian ships and vessels transiting through the ODA and recommendatory for all foreign flag ships and vessels irrespective of size.

(b) Recommended routes have been established along the coast of Gujarat. These are to assist mariners to navigate safely in order to represent the best routes for crossing traffic and to minimize head-on encounters in vicinity of Oilfield Development Areas and regulate coastal traffic. Mariners are advised to keep 1 to 2 miles starboard of the shown routes consistent with Rules of the Road.

(c) Traffic Separation Schemes (TSS). The TSS off Mumbai harbour is mandatory for all Indian and foreign flag ships and vessels entering and leaving Mumbai harbour and Jawaharlal Nehru Port Trust (JNPT)/ Nhava-Sheva harbour irrespective of size.

5. WORLD-WIDE NAVIGATIONAL WARNING SERVICE SECOND SURVEY TO ASSESS THE QUALITY OF MSI SERVICES

The International Hydrographic Organization's World-Wide Navigational Warning Service (WWNWS) is conducting a survey concerning the quality of Maritime Safety Information broadcast via SAFETYNET and NAVTEX to identify measures to improve service. It provides an opportunity to comment on the quality of the content and reception of Navigational Warnings provided by each NAVAREA coordinator. Please visit <http://www.needtopopulatethis.com> to complete the short survey. The World Meteorological Organization offers a similar survey regarding the World-Wide Meteorological Information and warning service available at: www.jcomm.info/mmmms. Your participation is greatly appreciated and valued.



Distribution of Indian Paper Charts and Nautical Publications

Indian Nautical Charts and Publications from National Hydrographic Office, India are now available globally. Details of overseas chart agents are as follows:-

<p>JEPPESEN MARINE Jeppesen Norway AS P.O. 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: info@c-map.no Site: www.c-map.no</p>	<p>C-Map US Commercial 133 Falmouth Road, Building 2, Postal Code: 02649, Mashpee, MA, America Ph: +1 (508) 477 8010 Fax: +1 (508) 539 4381 Email: info@c-map.com</p>	<p>C-Map (UK) Ltd. Systems House Delta Business Park Salterns Lane, Fareham, PO16 0QS, United Kingdom, Ph: +44 (0) 1329 517777 Fax: +44 (0) 1329 517778 Email: info@c-map.co.uk</p>
<p>Mari-Sys Pte Ltd. 20 Ayer Rajah Crescent, 08-21, SE 139964, Republic of Singapore Ph: +65 6776 1898 Email: info@mari-sys.com</p>	<p>Bogerd Martin NV, Oude Leeuwenrui 37 2000 Antwerp, Belgium Ph: +32 (3) 2134170 Fax: +32 (3) 2326167 Email: sales@martin.be Site: www.martin.be</p>	<p>Bogerd Martin Tianjin(China Branch) 2-B101 FTZ Hi-Tech Development Centre 131 Haibin 9 Road 300461 Tianjin China Ph: +86 22 257 62 721 Fax: +86 22 257 62 722 Email: charts-tj@martincn.com</p>
<p>C-Map Holland Paleiskade100 PO Box 7 1781 AR Den Helder, Holland Ph: +31 223 616 700 E Mail: CorMallie cor@chartworx.nl</p>		

List of Indian Chart Agents.

M/s OSA Books and Periodicals, R-246, Greater Kailash -I New Delhi - 110 048 Tel/Fax: 011-46557337, Mob: 9971093992 Email: rpani246@gmail.com	M/s Sterling Book House, 181, Dr. DN Road Fort, Mumbai – 400 001 Tel: 91-22-22612521, Fax: 91-22-22623551 Email : sbh@vsnl.com
M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor 58, Dr. Sunderlal Bahl Path (Goa Street) Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380, Fax: 91-22-22621488 Email: sales@bogerdmartin.com, sarmarin@vsnl.com	M/s EW Stevens & Co. (Pvt.) Ltd. Mackinnon Mackenzie Bldg, Ground Floor, 4 Shoorji Vallabhdas Marg, Mumbai-400 038 Tel: 91-22-22618567, Fax: 022-22619146 Email: ewsbom@bom3.vsnl.net.in
M/s C & C Marine Combine 25 Bank Street, 1 st Floor, Mumbai - 400 023 Tel: 91-22- 22660525, 22661937, 22672143 Fax: 91-22-22670896 Email: cemarine@bom5.vsnl.net.in	M/s Maritime Charts & Publicatons 2/524 Sundeep Road, Chinna Neelengarai, Chennai 600041 Land Mark - Nearby Suganya Kalyana Mandapam Tele/Fax : +91-44-24490668 Mob No : +91-9003245348 Email: ewl-india@ewliner.com
M/s SVR Chart Agencies Door No.50-81-35/6, Santhipuram, Seetammapeta, Visakhapatnam-530 016 Tele Fax: 0891-2799471, Cell: 9440132553, 9849120988, 9885308200 Email : mahalakshmitravels@hotmail.com	M/s Jeppesen India Pvt. Ltd 505, Raheja Arcade, Sector 11 CBD, Belapur Navi Mumbai – 400 614 Tel: +91 22 5610 3668, Fax: +91 22 55939504 Mob: +9322238542 Email: raj_chakravorty@yahoo.com info@c-map.co.in Website: www.c-map.co.in
M/s JM Maritime Services 24/24C Kavarana Building Ground Floor, Wadi Bunder P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in charts@mtnl.net.in	M/S Inspire Shipping, 46a, Ashok Chamber, Broach Street, Masjid Bunder (E), Mumbai – 400 009 Fax : 022 – 27713146 Email : info@inspireship.com pramod@inspireship.com
M/S Lift-O-Marine Allens Mansion, Flat – C6 Nungi Station Road, Bata Nagar PO. Parbangla Kolkata - 700140 Tel: +91-33-24924283, Cell: +91-8902228463 Email: sankar_roy342@yahoo.in	M/s Global Marine Infratech Pvt. Ltd. Siksha Sandan, Ground Floor, ND-7, VIP Area, IRC Village Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Email: ashiskantha@gmiindia.in Web: www.gmiindia.in
Engineering Logistics Executive Multi Services Door No: 61-4-45-A/4 Prakash Nagar Malkapuram Visakhapatnam - 530 014 Mob: +91 9133362541/9966244818 Email: elemulti.services69@yahoo.com	

SECTION – V
NAVAREA – VIII WARNINGS IN FORCE

1. For details of NAVAREA limits and organisation/coordination, please refer to Notice No. 13 of the Special edition of Indian Notice to Mariners – 2012.

2. NAVAREA VIII Warnings inforce as on 30 Nov 13:

2013 SERIES – 008 012 035 160 197 203 228 303 320 335 343 370 374 428 430 451 473 493 506
510 540 547 577 578 599 610 623 626 638 640 646 647 654 657 658 659 662 663 665 666 668
669 670 671 672 673

3. NAVAREA VIII Warnings issued during the period from 16 Nov to 30 Nov 13 (both dates inclusive) are as tabulated below: –

634.	Cancel NAVAREA VIII 633/13 and this MSG	
635.	India West Coast- Arabian Sea. Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706. Rig list. Correct at 181002 UTC Nov 13	
	ABAN III	19-00.63N 072-11.95E
	ABAN IV	19-06.83N 070-56.43E
	BADRINATH	18-36.87N 071-03.53E
	CE THROTON	19-32.35N 071-20.92E
	DEEP SEA FORTUNE	19-31.74N 071-22.34E
	DEEP SEA FOSSIL	19-36.62N 071-22.90E
	DISCOVERY-1	18-38.20N 071-00.93E
	DYNAMIC VISION	18-39.23N 070-58.87E
	ENERGY DRILLER	18-11.38N 071-48.12E
	ENSCO 54	19-16.46N 071-59.83E
	FG MC CLINTOK	19-15.26N 071-21.90E
	GREAT DRILLER CHAAYA	19-14.46N 071-58.88E
	GREATDRILL CHETNA	20-32.80N 071-58.43E
	GREATDRILL CHITRA	18-58.00N 071-37.73E
	JT ANGEL	18-47.21N 072-19.53E
	KEDARNATH	21-03.42N 072-24.68E
	NOBLE CHARLIE YESTER	18-42.58N 072-20.49E
	NOBLE ED HOLT	19-12.54N 072-02.23E
	NOBLE KENNETH DELANEY	18-33.76N 072-17.63E
	RON TAPMEYER	18-30.06N 072-15.97E
	SAGAR GAURAV	20-19.56N 071-18.67E
	SAGAR JYOTI	20-26.62N 071-19.74E
	SAGAR KIRAN	18-45.24N 072-18.00E
	SAGAR LAXMI	20-58.00N 071-33.00E
	SAGAR PRAGATI	20-55.76N 071-31.60E
	SAGAR UDAY	20-21.88N 071-05.87E
	SUNDOWNER V	19-19.08N 071-23.87E
	SUNDOWNER VI	19-34.72N 071-20.65E
	SUNDOWNER VII	18-36.36N 072-15.80E
	TRIDENT II	19-10.61N 070-57.70E
	TRIDENT XII	18-54.77N 071-49.57E
	VIRTUE 1	18-47.47N 071-59.98E
	Wide berth requested	
2.	Cancel NAVAREA VIII 600/13	
636.	India East Coast- Bay of Bengal. CHARTS 31 32 33 354 355 357 391 INT 706. Rig list. Correct at 181003 UTC Nov 13	
	ABAN II	16-39.14N 082-22.05E
	ACTINIA	16-33.72N 082-28.35E
	DEEP SEA MATDRILL	16-24.55N 082-02.92E
	DSR DHIRUBHAI DEEPWATER KG-1	16-31.92N 082-33.65E
	DSR DHIRUBHAI DEEPWATER KG-2	12-12.80N 080-12.70E
	DSR PLATINUM EXPLORER	19-37.30N 086-25.10E

636.	India East Coast- Bay of Bengal. Continued.		
	GSF-140	16-27.12N	082-28.43E
	HERCULES TRIUMPH	17-01.50N	082-20.10E
	MG HULME JR	16-35.05N	082-25.35E
	NOBLE DUCHESS	16-07.06N	081-41.85E
	SAGAR RATNA	16-12.99N	081-43.41E
	D S SAGAR VIJAY	16-19.08N	082-16.00E
	DSR GSF EXPLORER	16-25.32N	082-23.85E
	Wide berth requested		
2.	Cancel NAVAREA VIII 625/13		
637.	India East Coast- Off Chennai. Charts 31 32 33 356 391 INT 706. Firing practice by Coast Guard aircraft from 0130 UTC to 1130 UTC from 24 Nov to 28 Nov 13. Danger area bounded by		
	(a) 13-30N	082-00E	(b) 14-30N 082-00E
	(c) 14-30N	082-40E	(d) 13-30N 082-40E
2.	Safe flying height 2000 metres		
3.	Cancel this MSG 281230 UTC Nov 13.		
638.	India West Coast- Arabian Sea. Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706. Rig list. Correct at 191001 UTC Nov 13		
	ABAN III	19-00.63N	072-11.95E
	ABAN IV	19-06.83N	070-56.43E
	BADRINATH	18-36.87N	071-03.53E
	CE THORNTON	19-32.35N	071-20.92E
	DEEP SEA FORTUNE	19-31.74N	071-22.34E
	DEEP SEA FOSSIL	19-36.62N	071-22.90E
	DISCOVERY-1	18-38.20N	071-00.93E
	DYNAMIC VISION	18-39.23N	070-58.87E
	ENERGY DRILLER	18-11.38N	071-48.12E
	ENSCO 54	19-16.46N	071-59.83E
	FG MC CLINTOK	19-15.26N	071-21.90E
	GREAT DRILLER CHAAYA	19-14.46N	071-58.88E
	GREATDRILL CHETNA	18-52.63N	072-51.51E
	GREATDRILL CHITRA	18-58.00N	071-37.73E
	JT ANGEL	18-47.21N	072-19.53E
	KEDARNATH	21-03.42N	072-24.68E
	NOBLE CHARLIE YESTER	18-42.58N	072-20.49E
	NOBLE ED HOLT	19-12.54N	072-02.23E
	NOBLE KENNETH DELANEY	18-33.76N	072-17.63E
	RON TAPPEMEYER	18-30.06N	072-15.97E
	SAGAR GAURAV	20-19.56N	071-18.67E
	SAGAR JYOTI	20-26.62N	071-19.74E
	SAGAR KIRAN	18-45.24N	072-18.00E
	SAGAR LAXMI	20-58.00N	071-33.00E
	SAGAR PRAGATI	20-55.76N	071-31.60E
	SAGAR UDAY	20-21.88N	071-05.87E
	SUNDOWNER V	19-19.08N	071-23.87E
	SUNDOWNER VI	19-34.72N	071-20.65E
	SUNDOWNER VII	18-36.36N	072-15.80E
	TRIDENT II	19-10.61N	070-57.70E
	TRIDENT XII	18-54.77N	071-49.57E
	VIRTUE 1	18-47.47N	071-59.98E
	Wide berth requested		
2.	Cancel NAVAREA VIII 635/13.		
639.	India East Coast – Off Vishakhapatnam. Charts 31 32 INT 71 INT 706. Firing by Naval ships from 242230 UTC to 250530 UTC and 252230 UTC to 260530 UTC in area bounded by		
	(a) 16-00N	082-55E	(b) 16-00N 085-10E
	(c) 17-05N	084-05E	(d) 14-55N 084-05E
2.	Safe flying height 22000 metres		
3.	Cancel this MSG 260630 UTC Nov 13.		

<p>640. Cancel NAVAREA VIII 551/13. India West Coast – Gulf of Khambhat. Charts 21 207 254 292 INT 705 INT 706. Following reported on Narmada channel marking buoy</p> <p>(a) Narmada channel marking buoy No 4 and Sultanpur buoy unlit (b) Buoy No 2 unlit and off station at 20-36.62N 071-58.54E (c) Buoy No 6 lit AND off station at 20-52.7N 072-06.4E (d) Buoy No 9 lit and off station at 21-03.53N 072-10.00E (e) Buoy No 7 lit and off station at 20-57.79N 072-07.89E (f) Buoy No 3 unlit (g) Buoy No 8 unlit</p> <p>2. Caution advised.</p>																								
<p>641. Cancel NAVAREA VIII 597/13. India West Coast- Gulf of Kachchh. Charts 21 203 2068 INT 705. following reported on deep water channel buoy</p> <p>(a) Paga Buoy (22-35.42N 069-14.45E) temporarily removed (b) Mithapur Buoy (22-24.71N 068-51.84E) reported sunk (c) Narara Buoy temporarily removed (d) Kachchh Buoy temporarily removed (e) Ranwara Buoy temporarily removed</p> <p>2. Caution advised</p>																								
<p>642. Salaya Channel Marking Buoy Dhani re-established in position 22-36.80N 069-27.50E</p> <p>2. Cancel this MSG 211003 UTC Nov 13.</p>																								
<p>643. Cancel NAVAREA VIII 629/13 and this MSG.</p>																								
<p>644. Cancel NAVAREA VIII 628/13. India East Coast- Bay of Bengal. Charts 31 32 33 308 354 INT 71 INT 706. Experimental flight trial scheduled from ITR launch complex between 0400 UTC to 0830 UTC on 23 Nov 13. Danger zone bounded by</p> <table border="0"> <tr> <td>(a)</td> <td>18-15.98N</td> <td>085-45.86E</td> <td>(b)</td> <td>18-05.28N</td> <td>087-39.81E</td> </tr> <tr> <td>(c)</td> <td>18-18.76N</td> <td>089-18.13E</td> <td>(d)</td> <td>18-57.58N</td> <td>089-15.76E</td> </tr> <tr> <td>(e)</td> <td>19-35.21N</td> <td>089-05.53E</td> <td>(f)</td> <td>19-18.41N</td> <td>087-27.05E</td> </tr> <tr> <td>(g)</td> <td>18-32.05N</td> <td>085-42.90E</td> <td></td> <td></td> <td></td> </tr> </table> <p>2. Caution advised</p> <p>3. Cancel this MSG 230930 UTC Nov 13.</p>	(a)	18-15.98N	085-45.86E	(b)	18-05.28N	087-39.81E	(c)	18-18.76N	089-18.13E	(d)	18-57.58N	089-15.76E	(e)	19-35.21N	089-05.53E	(f)	19-18.41N	087-27.05E	(g)	18-32.05N	085-42.90E			
(a)	18-15.98N	085-45.86E	(b)	18-05.28N	087-39.81E																			
(c)	18-18.76N	089-18.13E	(d)	18-57.58N	089-15.76E																			
(e)	19-35.21N	089-05.53E	(f)	19-18.41N	087-27.05E																			
(g)	18-32.05N	085-42.90E																						
<p>645. Cancel NAVAREA VIII 586/13. India West Coast - Kochi. CHARTS 22 32 220 259 260 2004 2029 2045 INT 71 INT 706. Firing by Naval coast battery</p> <table border="0"> <tr> <td>Date</td> <td>Time (UTC)</td> <td></td> </tr> <tr> <td>22 Nov 13</td> <td>0900 to 1200</td> <td></td> </tr> <tr> <td>26 Nov 13</td> <td>0900 to 1200</td> <td>and 1230 to 1430</td> </tr> <tr> <td>27 Nov 13</td> <td>1230 to 1430</td> <td></td> </tr> <tr> <td>29 Nov 13</td> <td>0900 to 1200</td> <td></td> </tr> </table> <p>2. Danger area bounded by</p> <table border="0"> <tr> <td>(a) 09-57.5N</td> <td>075-59.5E</td> <td>(b) 09-57.7N</td> <td>076-14.2E</td> </tr> <tr> <td>(c) 09-44.0N</td> <td>076-17.5E</td> <td>(d) 09-42.5N</td> <td>076-09.5E</td> </tr> </table> <p>3. Safe flying height 10000 metres</p> <p>4. Cancel this MSG 291300 UTC Nov 13.</p>	Date	Time (UTC)		22 Nov 13	0900 to 1200		26 Nov 13	0900 to 1200	and 1230 to 1430	27 Nov 13	1230 to 1430		29 Nov 13	0900 to 1200		(a) 09-57.5N	075-59.5E	(b) 09-57.7N	076-14.2E	(c) 09-44.0N	076-17.5E	(d) 09-42.5N	076-09.5E	
Date	Time (UTC)																							
22 Nov 13	0900 to 1200																							
26 Nov 13	0900 to 1200	and 1230 to 1430																						
27 Nov 13	1230 to 1430																							
29 Nov 13	0900 to 1200																							
(a) 09-57.5N	075-59.5E	(b) 09-57.7N	076-14.2E																					
(c) 09-44.0N	076-17.5E	(d) 09-42.5N	076-09.5E																					
<p>646. India East Coast-Bay of Bengal. Charts 31 32 354 3002 INT 706. Firing practice by Naval ships from 0930 UTC to 1230 UTC on 27 Nov, 29 Nov, 02 Dec and 04 Dec 13 in area bounded by</p> <table border="0"> <tr> <td>(a)</td> <td>17-41.30N</td> <td>083-17.20E</td> <td>(b)</td> <td>17-39.60N</td> <td>083-29.80E</td> </tr> <tr> <td>(c)</td> <td>17-46.25N</td> <td>083-25.50E</td> <td>(d)</td> <td>17-34.50N</td> <td>083-21.60E</td> </tr> </table> <p>2. Safe flying height 3000 metres</p> <p>3. Cancel this MSG 041330 UTC Dec 13</p>	(a)	17-41.30N	083-17.20E	(b)	17-39.60N	083-29.80E	(c)	17-46.25N	083-25.50E	(d)	17-34.50N	083-21.60E												
(a)	17-41.30N	083-17.20E	(b)	17-39.60N	083-29.80E																			
(c)	17-46.25N	083-25.50E	(d)	17-34.50N	083-21.60E																			
<p>647. Cancel NAVAREA VIII 641/13. India West Coast- Gulf of Kachchh. Charts 21 203 2068 INT 705. Following reported on deep water channel buoy</p> <p>(a) Paga Buoy (22-35.42N 069-14.45E) temporarily removed (b) Mithapur Buoy (22-24.71N 068-51.84E) reported sunk (c) Narara Buoy temporarily removed (d) Kachchh Buoy temporarily removed</p> <p>2. Caution advised.</p>																								
<p>648. Salaya Channel Marking Buoy Ranwara re-established in position 22-39.20N 069-19.80E</p> <p>2. Cancel this MSG 231002 UTC Nov 13.</p>																								
<p>649. India East Coast- Chennai. Charts 32 33 313 356 357 3001 3004 INT 706. Firing practice by Naval coast battery from position 13-07.02N 080-18.01E from 0530 UTC to 0730 UTC on 29 Nov 13</p> <p>2. Danger zone sector of 11 NM radius between 045 degree and 075 degree from gun position</p> <p>3. Safe flying height 12800 metres</p> <p>4. Cancel this MSG 290830 UTC Nov 13</p>																								

650. Cancel NAVAREA VIII 639/13. India East Coast – Off Vishakhapatnam. Charts 31 32 INT 71 INT 706. Firing by Naval Ships in area bounded by					
Area-I (FROM 242230 UTC Nov to 260530 UTC Nov 13)					
(a)	15-30N	083-24E	(b)	16-14N	084-00E
(c)	15-34N	084-46E	(d)	15-08N	084-24E
SAFE FLYING HEIGHT 22000 METRES					
Area-II (From 242230 UTC Nov to 260530 UTC Nov13)					
(a)	15-30N	083-24E	(b)	16-22N	084-06E
(c)	15-14N	085-22E	(d)	14-32N	084-50E
Safe flying height 6000 metres					
2. Cancel this MSG 260630 UTC Nov 13					
651. India West Coast- Arabian Sea. Charts 21 210 254 INT 706. Firing practice by Coast Guard aircraft from 0130 UTC to 1030 UTC on 24 Nov 13. Danger area bounded by					
(a)	20-18.50N	072-02.50E	(b)	20-18.50N	072-15.00E
(c)	20-09.50N	072-12.00E	(d)	20-09.50N	072-00.00E
2. Safe flying height 1600 metres					
3. Cancel this MSG 241130 UTC Nov 13.					
652. Bay Off Bengal-Off Narasapur. Charts 31 33 355 INT 706 (.)Five fishing boat reported missing in vicinity 16-24.55N 082-02.92E with thirty crew					
2. Vessel transiting through the area to keep sharp look out and render assistance.					
653. NAVAREA VIII-MESSAGES IN FORCE AS ON 221007 UTC NOV 13					
2013 SERIES - 008 012 035 160 197 203 228 303 320 335 343 370 374 428 430 451 473 493					
506 510 540 547 577 578 599 610 623 626 636 637 638 640 644 645 646 647 648 649 650 651					
652					
(a)	NAVAREA VIII Warnings less than 42 days old (540/13 onward) are promulgated via SafetyNET				
(b)	Text of NAVAREA VIII warnings inforce including those which are no longer being broadcast are available on website www.hydrobharat.nic.in				
(c)	Texts of NAVAREA VIII warnings are also printed in section V of fortnightly editions of Indian Notices to Mariners				
2. Cancel this MSG 291007 UTC Nov 13.					
654. Indian Ocean – Northern Part. Charts INT 71 INT 701 INT 703. Optical fibre cable laying operation will be carried out by cable ship Ile de Sein from 25 Nov to 18 Dec 13 along lines joining following points					
(1)	02-00.23N	045-18.57E	(16)	01-48.41N	045-27.50E
(2)	01-57.34N	045-20.61E	(17)	01-48.08N	045-27.70E
(3)	01-56.83N	045-20.84E	(18)	01-47.66N	045-28.09E
(4)	01-56.54N	045-21.02E	(19)	01-47.20N	045-28.32E
(5)	01-56.27N	045-21.36E	(20)	01-46.62N	045-28.76E
(6)	01-56.04N	045-21.71E	(21)	01-45.97N	045-28.97E
(7)	01-55.67N	045-22.08E	(22)	01-44.80N	045-29.74E
(8)	01-54.43N	045-22.95E	(23)	01-41.03N	045-32.54E
(9)	01-53.95N	045-23.46E	(24)	01-39.29N	045-34.14E
(10)	01-53.73N	045-23.75E	(25)	01-21.05N	045-47.34E
(11)	01-53.43N	045-24.26E	(26)	01-17.05N	045-50.52E
(12)	01-53.20N	045-24.52E	(27)	00-48.08S	047-23.16E
(13)	01-52.82N	045-24.81E	(28)	00-52.99S	047-27.88E
(14)	01-51.22N	045-25.65E	(29)	00-56.18S	047-36.97E
(15)	01-48.76N	045-27.35E			
2. One yellow buoy temporarily installed in position 00-52.04S 47-27.00E					
3. Wide berth of 02 NM requested					
4. Cancel this MSG 19 Dec 13.					
655. Indian East Coast - Off Narasapur. Charts 31 32 355 INT 71 INT 706. 12 meters partially submerged fishing boat with blue coloured hull reported adrift in vicinity 16-06.9N 081-41.1E					
2. Caution advised					
3. Cancel this MSG 281001 UTC Nov 13.					
656. Cancel NAVAREA VIII 652/13 and this MSG.					
657. India East Coast- Bay of Bengal. Charts 31 351 352 353 INT 71 INT 706. Experimental flight trial scheduled from ITR launch complex between 0330 UTC to 0730 UTC on 03 Dec and 04 Dec 13. Danger zone bounded by					
(a)	18-15.96N	085-45.86E	(b)	18-32.80N	085-43.61E
(c)	19-18.41N	087-27.05E	(d)	20-45.55N	087-07.50E
(e)	21-14.38N	086-46.41E	(f)	21-30.40N	087-04.20E
(g)	19-11.85N	089-38.06E	(h)	17-55.71N	089-09.21E
2. Caution advised.					
3. Cancel this MSG 040830 UTC Dec 13.					

658.	India East Coast - Gopalpur. Charts 31 352 353 391 3005 INT 706. Firing by Army			
	Date	Time(UTC)	Safe flying height	
	01 Dec 13 to 07 Dec 13	2330 to 1800	7000 metres	
	22 Dec 13 to 28 Dec 13	2330 to 1800	7000 metres	
2.	Danger area bounded by			
	(a) 19-14.60N	084-53.70E	(b) 19-37.05N	085-27.87E
	(c) 18-46.05N	085-22.87E		
	and arc of 41 NM radius joining point (b) and (c)			
3.	Cancel this MSG 281900 UTC Dec 13.			
659.	India West Coast - Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 71 INT 706. Firing by Naval coast battery			
	Date	Time (UTC)		
	03 Dec 13	0900 to 1200		
	06 Dec 13	0900 to 1200 and 1230 to 1430		
	10 Dec 13	0900 to 1200		
	13 Dec 13	0900 to 1200		
	17 Dec 13	0900 to 1200		
	20 Dec 13	0900 to 1200		
	24 Dec 13	0900 to 1200 and 1230 to 1430		
	27 Dec 13	0900 to 1200		
	31 Dec 13	0900 to 1200		
2.	Danger area bounded by			
	(a) 09-57.5N	075-59.5E	(b) 09-57.7N	076-14.2E
	(c) 09-44.0N	076-17.5E	(d) 09-42.5N	076-09.5E
3.	Safe flying height 10000 metres			
4.	Cancel this MSG 311300 UTC Dec 13.			
660.	Indian Ocean – Off Reunion Island. Charts INT 70 INT 71 INT 72 INT 702 INT 735. Naval Gunnery exercise from 270200 UTC to 291600 UTC Nov 13 in area bounded by			
	(a) 21-12.0S	054-57.0E	(b) 21-26.0S	055-02.5E
	(c) 21-31.2S	054-47.4E	(d) 21-17.2S	054-42.0E
2.	Cancel this MSG 291700 UTC Nov 13.			
661.	Cancel NAVAREA VIII 655/13. Indian East Coast - Off Narasapur. Charts 31 32 355 INT 71 INT 706. 12 meters partially submerged fishing boat with blue coloured hull reported adrift southerly at 0.5 knot in vicinity 15-58.70N 081-39.35E			
2.	Caution advised			
3.	Cancel this MSG 301001 UTC Nov 13.			
662.	India West Coast – Gulf of Kachchh. Charts 21 203 251 271 2013 2031 2068 INT 71 INT 706. Okha Channel buoy no 2 (22-29.41N 069-05.62E) and buoy no 3(22-29.02N 069-05.48E) reported missing			
2.	Caution advised			
663.	India West Coast – Arabian Sea. Charts 22 214 215 216 257 INT 71 INT 706. Firing by IAF from 0330 UTC to 1130 UTC 03 Dec, 06 Dec and 07 Dec 13 in area bounded by			
	(a) 15-09N	073-11E	(B) 15-15N	073-29E
	(c) 14-20N	073-53E	(D) 14-12N	073-38E
2.	Safe flying height 7000 metres			
3.	Cancel this MSG 071230 UTC Dec 13.			
664.	Bay of Bengal - Southern Part. Charts 32 33 INT 71 INT 706. Yellow and blue coloured 12 meters long Sri Lankan fishing vessel 'ANURA 05' (Regd No. IMUL-A-1233-Mtr) reported adrift in vicinity 11-00N 082-00E due to Engine failure with five crew on board at 272130 UTC Nov 13			
2.	Vessels transiting through the area to keep sharp look out and render assistance.			
665.	Bay of Bengal - Southern Part. Charts 33 INT 71 INT 706. Sri lankan fishing vessel 'Bon Lanka II' and other fleet of Sri Lankan fishing vessels engaged in fishing reported in distress in vicinity 13-26N 086-21E due to cyclone Lehar			
2.	Vessels transiting through the area to keep sharp look out and render assistance.			
666.	India East Coast- Bay of Bengal. Charts 31 32 33 354 355 357 391 INT 706. Rig list. Correct at 280432 UTC Nov 13			
	ABAN II	16-39.14N	082-22.05E	
	ACTINIA	16-33.72N	082-28.35E	
	DEEP SEA MATDRILL	16-24.55N	082-02.92E	
	DSR DHIRUBHAI DEEPWATER KG-1	13-38.00N	080-29.00E	
	DSR DHIRUBHAI DEEPWATER KG-2	13-38.00N	080-31.00E	
	DSR PLATINUM EXPLORER	19-37.30N	086-25.10E	
	GSF-140	16-27.12N	082-28.43E	
	HERCULES TRIUMPH	17-01.50N	082-20.10E	

666. India East Coast- Bay of Bengal. Continued.				
MG HULME JR	16-35.05N		082-25.35E	
NOBLE DUCHESS	16-07.06N		081-41.85E	
SAGAR RATNA	16-12.99N		081-43.41E	
D S SAGAR VIJAY	16-19.08N		082-16.00E	
DSR GSF EXPLORER	16-25.32N		082-23.85E	
Wide berth requested				
2. Cancel NAVAREA VIII 636/13.				
667. India West Coast- Arabian Sea.	Charts 21 210 254 INT 706. Firing practice by Coast Guard aircraft from 0930 UTC to 1330 UTC on 28 Nov 13. Danger area bounded by			
(a)	20-18.50N	072-02.50E	(b)	20-18.50N 072-15.00E
(c)	20-09.50N	072-12.00E	(d)	20-09.50N 072-00.00E
2. Safe flying height 1600 metres				
3. Cancel this MSG 281430 UTC Nov 13.				
668. Indian Ocean – Northern Part.	Charts INT 71 INT 830 INT 4706. Survey Vessel SS Asian Warrior is carrying out Sub- Marine pipe line survey till 05 Dec 13 in following position			
(a)	13-02.98N	096-52.03E	(b)	13-08.76N 096-52.68E
2. Wide berth of 03 NM around the area requested				
3. Cancel this MSG 061001UTC Dec 13.				
669. Indian Ocean – Northern Part.	Charts INT 71 INT 830 INT 4706. Survey vessel MV Mermaid Sapphire is carrying out Sub- Marine pipe line And free span rectification survey till 23 Jan 14 in following position			
(a)	13-02.91N	096-52.08E	(b)	14-34.35N 097-54.45E
2. Wide berth of 03 NM around the area requested				
3. Cancel this MSG 241002 UTC Jan 14.				
670. Andaman Islands-off Rutland Island.	Charts 33 41 405 473 INT 71 INT 706. Man overboard from MFV Swati reported in vicinity 11-25N 092-33E at 242130 UTC Nov 13.			
2. Vessels transiting through the area to keep sharp look out and render assistance.				
671. NAVAREA VIII - Messages in force as on 291002 UTC Nov 13.				
2013 series - 008 012 035 160 197 203 228 303 320 335 343 370 374 428 430 451 473 493 506 510 540 547 577 578 599 610 623 626 638 640 646 647 654 657 658 659 660 661 662 663 664 665 666 668 669 670				
(a) NAVAREA VIII warnings less than 42 days old (577/13 onward) are promulgated via safetyNET				
(b) Text of NAVAREA VIII warnings inforce including those which are no longer being broadcast are available on website www.hydrobharat.nic.in				
(c) Texts of NAVAREA VIII warnings are also printed in section v of fortnightly editions of Indian Notices to Mariners				
2. Cancel this MSG 061002 UTC Dec 13.				
672. Bay of Bengal - Southern Part.	Charts 32 33 INT 71 INT 706. 03 Sri Lankan fishing vessels capsized due to cyclone Lehar in vicinity 13-26N 086-21E and 13-23N 086-19E with total 16 crews. 08 were rescued and rest missing. Details of the vessel and crew as follows:			
	Vessel Name	Total Crew	Rescued	Missing
(a)	Ceylone-07	05	03	02
(b)	Prasangani	05	Nil	Nil
(c)	Bon Lanka(priyachami)	06	Nil	06
2. Vessels transiting through the area to keep sharp look out and render assistance.				
673. Cancel NAVAREA VIII 664 /13 and this msg.	defect rectified and vessel underway.			

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

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

NIL

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2005

(Last correction: Edition No. 07 dated 01 Apr 2013)

NIL

INP 31(2), 2007

(Last correction: Edition No. 20 dated 16 Oct 2013)

NIL

INP 31(5), 2011

(Last correction: Edition No. 22 dated 16 Nov 2013)

NIL

INP 31(6), 2012

(Last correction: Edition No. 22 dated 16 Nov 2013)

NIL

SECTION – IX

REPORTING OF NAVIGATIONAL DANGERS

Appeal to all Mariners

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / harbours and other waterways, are requested to look out for new or suspected dangers to navigation, changes in aids to navigation, or corrections to published charts and Sailing Directions. Whenever any such changes / dangers are observed, mariners are requested to notify the same to the Chief Hydrographer to the Government of India at the following address: -

National Hydrographic Office
107-A, Rajpur Road,
Dehradun - 248001
(UTTARAKHAND), INDIA
e-mail: - inho-navy@nic.in, msis-inho-navy@nic.in
Fax No.: +91-135- 2748373
WEB: www.hydrobharat.nic.in

Instructions for filling up IH 102

2. Kindly follow the instructions below in order to help the Hydrographic Office (the recipient) to quickly issue NAVAREA warning / Notice to Mariners for the benefit of all other mariners at sea.

Position Reporting

3. Accurate position or knowledge of position error is of great importance. Latitude and Longitude should only be used to specify position details when they have been fixed by GPS or Astronomical Observations. A full description of the method, equipment, time and datum (WGS 84/Everest/Other) used should be given. When position is defined by sextant angles or bearings (true or magnetic to be specified), more than two bearings should be used in order to provide a redundancy check. Distances observed by Radar should be corrected for index errors. Where position is derived after the event, from other observations and/or Dead Reckoning, the methodology of deriving the position should be included.

4. Paper Charts. A copy/tracing of largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.

5. ENCs. A Screen shot of largest scale usage band ENC with the alterations and additions being shown thereon in red. If it is to report an issue with the display of an ENC, a screen shot of the affected cell should be sent along with details of the ECDIS make and version in use at the time.

Depth Reporting

6. When soundings are obtained using echo sounders, the echo sounding trace should be duly annotated with date, times, position, depths, etc., and forwarded with the IH102. It is important to state whether the 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 made where necessary. The make, name and type of echo sounder should also be given.

7. For modern echo sounders that use electronic 'range gating', care should be taken that the correct range scale and appropriate gate width are in use. Older electro-mechanical echo sounders frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set's nominal range can usually be recognised by the following:

- (a) the trace being weaker than normal for the depth recorded;
- (b) the trace passing through the transmission line;
- (c) the feathery nature of the trace.

As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from the charted depths. Efforts should be made to identify and negate false echoes if any. The Mariners Handbook (NP100) and Notice 15 Special Edition of Notice to Mariners may be consulted.

8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

9. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers in such that any uncharted depth under 30 meters or 15 fathoms may be of sufficient importance to justify a radio message.

10. Changes to Port information should be forwarded on Form IH.102A together with form IH.102. Form 102 A contains the information required for Sailing Directions and should be used as an *aide memoir*. The Mariners Handbook, NP100, Chapter 8 gives general instructions. Where there is insufficient space on the forms an additional sheet should be used.

Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes received. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/foreign Notices to Mariners. Further communication from National Hydrographic Office to the sender of Hydrographic Notes will only be necessary to verify unusual features or abnormal values reported.



HYDROGRAPHIC NOTE		IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues			
Date		Ref. Number	
Name of the Ship or Sender			
Address			
Tel/FAX/E-mail address			
Observation Date		Time (UTC/IST)	
Object of Changes Observed (Tick appropriate)	<input type="checkbox"/> Bathymetry	<input type="checkbox"/> Nav. Dangers	<input type="checkbox"/> Nav. Aids
	<input type="checkbox"/> Designated Areas		<input type="checkbox"/> Others
Geographical Position (See Instructions Overleaf)	Latitude		Longitude
Position Method	<input type="checkbox"/> DGPS	<input type="checkbox"/> GPS	<input type="checkbox"/> Radar <input type="checkbox"/> Others
Datum Used	<input type="checkbox"/> WGS84	<input type="checkbox"/> Everest	<input type="checkbox"/> Others
Charts Affected		Edition	
Latest Edition of Indian Notices to Mariners Held			
Tracing/Plot/Photograph if enclosed			
ENCs Affected			
Latest Update Disk Held			
Publication Affected		Edition	
Page No./Light No. etc			
Details:			
Limitations if any in Reporting the Changes Above			
Details of Documents/Photos attached:			
Signature of the Master/Reporter/Observer			

HYDROGRAPHIC NOTE FOR PORT INFORMATION (To accompany Form IH.102)		IH.102A (Revised 2012)	
Date		Ref. No.	
Name of the Ship or Sender			
Address			
Tel/Fax/E-mail			
1. NAME OF PORT			
Location	Latitude	Longitude	
2. GENERAL REMARKS			
Principal activities and trade			
Number of ships and tonnage handled per year			
Maximum size of draught of vessel handled			
Copy of Port handbook (if available)			
3. ANCHORAGES			
Type / Purpose			
Minimum depth at anchorage			
Shelter afforded			
Holding ground			
Recommended pilotage to the anchorage			
4. PILOTAGE			
Authority for request			
Embarkation position			
Regulations			
Documents to be provided			
Recommended pilotage to approach of Harbour and Berths			
Information on VTMS			
5. DIRECTIONS			
Entry and Berthing Information			
Tides (Height)			
Tidal Stream Information			
Wind Speed and Direction			
Navigational Aids (Beacons / Buoys / Lights / Etc.)			
6. POLLUTION CONTROL			
Local regulation in force (If Any)			
7. TUGS			
Number available / Tug type			
Maximum HP / Bollard pull			

7. TUGS (Continued)	
Requesting authority	
Availability timing / Communication	
Hiring charges	
8. BERTHING AND WHARVES	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
9. CARGO HANDLING	
Containers	
Lighters & Ro-Ro etc.	
10. CRANES	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
11. BRIDGES	
Vertical clearance	
12. REPAIRS	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
13. SERVICES	
Radio / FAX / Telephone / Internet etc.	
Medical	
Quarantine	
Consul	
Ship chandlery and Stevedores	
Compass adjustment	
Tank cleaning	
Hull painting	
Police / Ambulance / Firefighting (Fixed and Mobile facilities)	
Nav. Warning and Weather bulletin	
Garbage disposal / Waste oil disposal	
Helicopter landing facilities	

14. RESCUE & DISTRESS	
Salvage, Lifeboat, Life guards, etc	
15. SUPPLIES	
Fuel (Type, Quantities & Method of delivery)	
Fresh water (Method of delivery and Rate of supply)	
Provisions	
Chart agents	
16. COMMUNICATIONS	
Road, Rail and Air services available	
Nearest airport or airfield	
Port Radio and Information Service (Frequencies and Operating Hours)	
17. PORT AUTHORITY	
Designation, Address, Telephone, E-mail Address and Website	
18. SECURITY	
Security of ports / International Ship and Port Facility Security (ISPS) compliance	
Custom and Immigration Regulations in force	
19. SMALL CRAFT FACILITIES	
Information and facilities for small craft, yachts visiting the port	
Yacht clubs, berths etc	
20. SHORT LEAVE	
21. CLUBS RECREATION	
Information Kiosk (Location)	
Foreign Exchange firms / Banks (Within / Near Port Area)	
Places of interest near port	
22. VIEWS	
Photographs(Duly annotated) of the approaches, leading marks, the entrance to the harbour etc.	
23. ADDITIONAL DETAILS	
Any other information considered to be useful for the mariners	
SIGNATURE OF THE OBSERVER / REPORTER / MASTER	

To accompany Indian Notice to Mariners 207/13

Chart 2088

FISH HAVENS

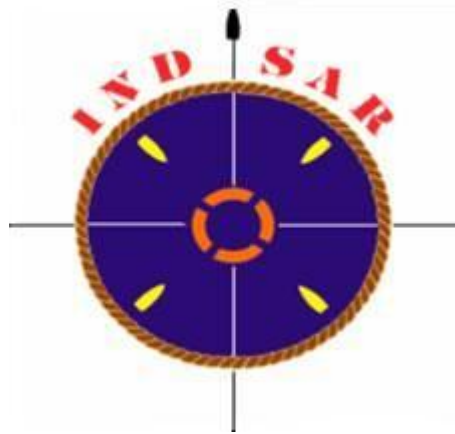
Numerous fish havens exist in inshore waters. Usually they are located within 5 miles of the coast and may occur in the approaches to ports and anchorages.

*To accompany Indian Notice to Mariners
207/13*

Chart 2089

FISH HAVENS

Numerous fish havens exist in inshore waters. Usually they are located within 5 miles of the coast and may occur in the approaches to ports and anchorages.



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: indsar@vsnl.net

NATION WIDE SAR TELE: 1554 (LAND LINE)

INMARSAT C (IOR) 441907210 CODE: 43 (TOLL FREE)

AFTN: VABBYXYC