

INDIAN NOTICES TO MARINERS



EDITION NO. 02 DATED 16 JAN 2015

(CONTAINS NOTICES 034 TO 037)

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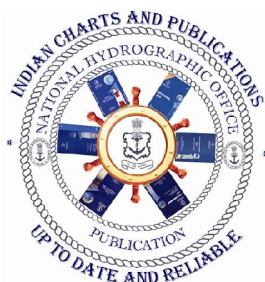
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(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

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**

WARNING AGAINST USE OF COUNTERFEIT PRODUCTS

All mariners are cautioned against the use of counterfeit copies of IN Charts and publications. Navigational Charts produced from now on will carry a NHO crest as watermark on the reverse with backslip. Agents stamp is made mandatory on all Charts.

Counterfeit products may have errors resulting in potential risks. The same are not approved by inspecting agencies and do not satisfy the carriage requirements of SOLAS chapter V.

Mariners are strongly advised not to use or encourage the use of counterfeit chart and publications.

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 overloading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

IV

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

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

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

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

Use of Global Positioning System (WGS 84) positions.

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

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

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

NEWLY PUBLISHED INDIAN CHARTS, ENC_s AND PUBLICATION

1. The new Indian Charts that are 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>
2048	31-12-2014	KOLACHEL ANCHORAGE <u>Limits</u> 08° 03'.00N; 77° 05'.00E. 08° 13'.25N; 77° 21'.00E.	30,000	3	Rs. 1870.00
2520	15-01-2015	APPROACHES TO DAR ES SALAAM <u>Limits</u> 06° 52'.30S; 39° 16'.00E. 06° 42'.40S; 39° 32'.00E.	30,000	1	Rs. 1870.00
3009 (INT 7407)	31-12-2014	KAKINADA PORT : APPROACHES TO KAKINADA <u>Limits</u> 16° 48'.50N; 82° 13'.60E. 17° 09'.00N; 82° 32'.00E.	60,000	5	Rs. 1870.00
		KAKINADA ANCHORAGE <u>Limits</u> 16° 56'.00N; 82° 16'.00E. 17° 02'.50N; 82° 22'.00E.	25,000		Rs. 1870.00

2. The new edition Indian Chart that is available for mariners in the market is 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>
258 (INT 7348)	15-01-2015	KUNDAPURA TO BADAGARA <u>Limits</u> 11° 13'.00N; 73° 55'.50E. 13° 58'.50N; 75° 48'.50E.	300,000	3	Rs. 1870.00

3. The Indian Charts permanently withdrawn are 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>
2048	31-08-2000	KOLACHEL ANCHORAGE	2048	31-12-2014
258(INT 7348)	01-01-2002	KUNDAPURA (COONDAPOOR) TO BADAGARA	258 (INT 7348)	15-01-2015
3009	15-07-2004	APPROACHES TO KAKINADA	3009 (INT 7407)	31-12-2014
		KAKINADA ANCHORAGE		

4. The new Indian Electronic Navigational Chart that is available for mariners in the market is as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52048A	2048	KOLACHEL ANCHORAGE	14-01-2015
IN52520A	2520	APPROACHES TO DAR ES SALAAM	14-01-2015
IN43009A	3009	APPROACHES TO KAKINADA	15-01-2015
IN53009B	3009	KAKINADA ANCHORAGE	15-01-2015

VI

5. The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52048K	2048	KOLACHEL ANCHORAGE	14-10-2004
IN43009K	3009	APPROACHES TO KAKINADA	17-08-2012
IN53009K	3009	KAKINADA ANCHORAGE	17-08-2012

6. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2006	MINICOY ISLAND	25,000	New Chart
2055	MUL DWARKA PORT	10,000	New Chart
	NORTH JETTY	5,000	
2120	KARWAR CIVIL PORT	15,000	New Chart
2515	PORT VICTORIA	7,500	New Chart
3010 (INT 7418)	PARADIP ANCHORAGE	25,000	New Chart
	PARADIP PORT	12,500	
4043	ARIEL BAY	10,000	New Chart
4162	APPROACHES TO BATTI MALV ISLAND	25,000	New Chart

Availability of ENC's.

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's 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 034 to 037 contained in this edition are as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	037 (T)
22 (INT 752)	3	034, 037 (T)
23	1	034
32 (INT 754)	5	034, 037 (T)
214	3	037 (T)
220	3	034
221	3	034, 037 (T)
222	3	034
223	4	034
224	4	034
257 (INT 7343)	3	037 (T)
259 (INT 7356)	3	034, 037 (T)
260 (INT 7362)	3	034, 037 (T)
261	4	034
262 (INT 7365)	4	034
263 (INT 7383)	4	034
272	4	037 (T)
292 (INT 7021)	2	037 (T)
293 (INT 7022)	3	037 (T)
315	4	034
317	4	034
358 (INT 7394)	1	034
2001	3	036
2004 (INT 7359)	3	034
2012	3	034
2013 (INT 7324)	2	035
2015 (INT 7337)	3	036
2016 (INT 7336)	3	036
2029 (INT 7358)	3	034
2031 (INT 7326)	2	035
2032	3	034
2068	2	035
2075 (INT 7366)	4	034
2104	3	034
2111	3	034
3016	4	034

SECTION – II

PERMANENT NOTICES

***034 (02/15) INDIA – WEST COAST – Kochi to Ammapatinam – AIS.**

Source: DGLL.

Chart 22 (INT 752) [previous update 031/15]



AIS, at light

09° 29'·63N., 76° 19'·24E.

08° 52'·84N., 76° 33'·96E.

Insert legend, “AIS”, at light

09° 59'·91N., 76° 13'·29E.

08° 22'·97N., 76° 58'·78E.

08° 04'·80N., 77° 32'·82E.

Chart 23 [previous update 185/13]

legend, “AIS”, at light

08° 04'·80N., 77° 32'·82E.

Chart 32 (INT 754) [previous update 031/15]

Insert



Fl. 19M

AIS



Racon (C)

AIS



AIS, at light

10° 00'·65N., 79° 13'·70E.

08° 04'·80N., 77° 32'·82E.

09° 29'·63N., 76° 19'·24E.

08° 52'·84N., 76° 33'·96E.

08° 47'·13N., 78° 11'·82E.

09° 13'·50N., 78° 46'·90E.

09° 17'·20N., 79° 13'·20E.

09° 59'·91N., 76° 13'·29E.

08° 22'·97N., 76° 58'·78E.

08° 22'·30N., 78° 03'·90E.

legend, “AIS”, at light

Chart 259 (INT 7356) [previous update 031/15]

Insert



AIS, at light

09° 29'·63N., 76° 19'·24E.

08° 52'·84N., 76° 33'·96E.

legend, “AIS”, at light

09° 59'·91N., 76° 13'·29E.

Chart 260 (INT 7362) [previous update 160/14]

Insert



AIS, at light

09° 29'·63N., 76° 19'·24E.

08° 52'·84N., 76° 33'·96E.

legend, “AIS”, at light

09° 59'·91N., 76° 13'·29E.

08° 22'·97N., 76° 58'·78E.

08° 04'·80N., 77° 32'·82E.

034 (02/15) INDIA – WEST COAST – Kochi to Ammapatinam – AIS. Continued.*Chart 261** [previous update 129/12]

Insert legend, “AIS”, at light

08° 22′·97N., 76° 58′·78E.

08° 04′·80N., 77° 32′·82E.

Chart 262 (INT 7365) [previous update NC 15 Nov 14]Insert  AIS, at light

09° 13′·50N., 78° 46′·90E.

09° 17′·20N., 79° 13′·20E.

legend, “AIS”, at light

08° 04′·80N., 77° 32′·82E.

08° 22′·30N., 78° 03′·90E.

08° 47′·13N., 78° 11′·82E.

Chart 263 (INT 7383) [previous update 228/12]

Insert legend, “AIS”, at light

08° 04′·80N., 77° 32′·82E.

Chart 358 (INT 7394) [previous update 114/14]Insert  AIS, at light

09° 17′·20N., 79° 13′·20E.

10° 00′·65N., 79° 13′·70E.

Chart 220 [previous update 031/15]

Insert legend, “AIS”, at light

09° 59′·91N., 76° 13′·29E.

Chart 221 [previous update 160/14]Insert  AIS, at light

09° 29′·63N., 76° 19′·24E.

08° 52′·84N., 76° 33′·96E.

Chart 222 [previous update 160/14]Insert  AIS, at light

08° 52′·84N., 76° 33′·96E.

legend, “AIS”, at light

08° 22′·97N., 76° 58′·78E.

Chart 223 [previous update 129/12]

Insert legend, “AIS”, at light

08° 22′·97N., 76° 58′·78E.

08° 22′·30N., 78° 03′·90E.

08° 04′·80N., 77° 32′·82E.

Chart 224 [previous update 113/14]Insert  AIS, at light

09° 13′·50N., 78° 46′·90E.

legend, “AIS”, at light

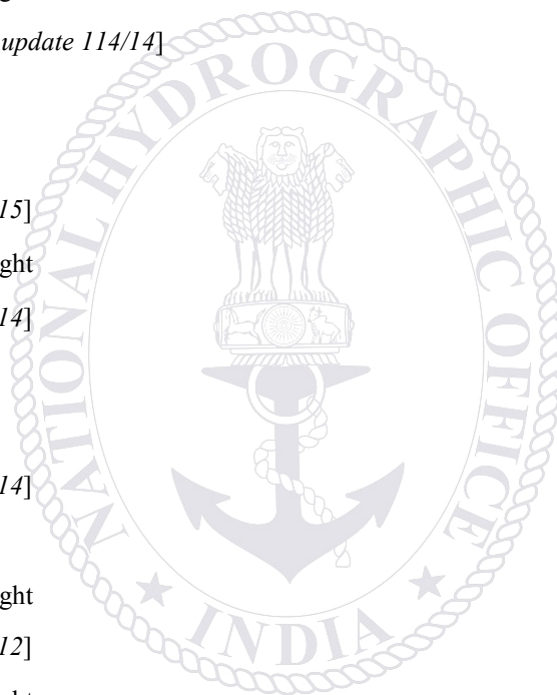
08° 22′·30N., 78° 03′·90E.

08° 47′·13N., 78° 11′·82E.

Chart 317 [previous update 114/14]Insert  AIS, at light

09° 17′·20N., 79° 13′·20E.

10° 00′·65N., 79° 13′·70E.



034 (02/15) INDIA – WEST COAST – Kochi to Ammapatinam – AIS. Continued.*Chart 315** [previous update 114/14]

Insert  AIS, at light 10° 00'·65N., 79° 13'·70E.

Chart 2029 (INT 7358) [previous update 157/13]

Insert legend, “AIS”, at light 09° 59'·91N., 76° 13'·29E.

Chart 2075 (INT 7366) [previous update 204/14]

Insert legend, “AIS”, at light 08° 47'·13N., 78° 11'·82E.

Chart 2075 (INT 7366) (Plan) [previous update 204/14]

Insert legend, “AIS”, at light 08° 47'·13N., 78° 11'·82E.

Chart 3016 [previous update 085/10]


Insert  AIS, at light 09° 17'·20N., 79° 13'·20E.

Chart 2032 [previous update 080/14]

Insert  AIS, at light 08° 52'·84N., 76° 33'·96E.

Chart 2004 (INT 7359) [previous update 185/14]

Insert legend, “AIS”, at light 09° 59'·91N., 76° 13'·29E.

Chart 2012 [previous update 042/14]

Insert  AIS, at light 09° 29'·63N., 76° 19'·24E.
 legend, “AIS”, at light 08° 22'·97N., 76° 58'·78E.

Chart 2104 [previous update 079/14]

Insert  AIS, at light 08° 52'·84N., 76° 33'·96E.

Chart 2111 [previous update NC 30 Nov 2013]

Insert legend, “AIS”, at light 08° 22'·97N., 76° 58'·78E.

***035(02/15) INDIA – WEST COAST – Gulf of Kachchh – Okha Harbour – Light.**

Source: DLL Jamnagar.

Chart 2013 (INT 7324) [previous update 202/13]

Insert  Fl(2).5s.5m 22° 26'·866N., 69° 04'·368E.

Chart 2031 (INT 7326) [previous update 126/14]

Insert  Fl(2).5s.5m 22° 26'·866N., 69° 04'·368E.

Chart 2068 [previous update 152/14]

Insert  Fl(2).5s.5m 22° 26'·826N., 69° 04'·378E.

***036(02/15) INDIA – WEST COAST – Mumbai Docks – AIS.**

Source: Mumbai Port Trust.

Chart 2016 (INT 7336) [previous update 129/14]Insert  V- AIS

18° 55'.24N., 72° 52'.01E.

18° 55'.11N., 72° 52'.23E.

18° 52'.33N., 72° 50'.19E.

18° 52'.13N., 72° 50'.41E.

18° 51'.61N., 72° 48'.95E.

18° 51'.44N., 72° 49'.05E.

Chart 2015 (INT 7337) [previous update 129/14]Insert  V- AIS

18° 55'.24N., 72° 52'.01E.

18° 55'.11N., 72° 52'.23E.

18° 52'.33N., 72° 50'.19E.

18° 52'.13N., 72° 50'.41E.

18° 51'.61N., 72° 48'.95E.

18° 51'.44N., 72° 49'.05E.

Chart 2001 [previous update NC 15 Oct 14]Insert  V- AIS

18° 55'.24N., 72° 52'.01E.

18° 55'.11N., 72° 52'.23E.



SECTION – III

TEMPORARY AND PRELIMINARY NOTICES

***037(T)/(02/15) INDIA – WEST COAST – Arabian Sea – ADCP Moorings.**

Source: NIO Goa.

1. Underwater Acoustic Doppler Current Profiler (ADCP) mooring deployed by National Institute of Oceanography, Goa in following positions:–

ADCP Mooring	Positions		Depth (in metres)	Charts affected
OGD10	15° 09'.90N	72° 44'.71E	175, 380, 885	22(INT752) – 214 – 293(INT7022).
OBS4	13° 52'.63N	73° 24'.58E	165	22(INT752) – 257(INT7343) – 272 – 293(INT7022).
*OKD7	09° 03'.06N	75° 26'.16E	180, 330, 885	22(INT752) – 221 – 259(INT7356).
*OKS7	09° 01'.27N	75° 56'.52E	175	22(INT752) – 32(INT 754) – 221 – 259(INT7356) – 260(INT7362).
*OGS10	15° 14'.02N	72° 58'.70E	160	22(INT752) – 214 – 257(INT7343) – 293(INT7022).
OMD7	20° 00'.78N	69° 14'.44E	180, 350, 856	21 – 292(INT7021).

* Indicates new or revised entries.

2. All positions referred to WGS 84 datum.
3. Vessels operating in vicinity are to maintain a safe distance from moorings and exercise caution.
4. ***Former INM 198(T)/14 is cancelled.***



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 icgmrc_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. **GAGAN SYSTEM COMMISSIONED FOR OPERATIONS**

The GAGAN System is now commissioned for safety of life, civil aviation, and en- route operations in addition to all other non-aviation applications. The GAGAN signal is being broadcasted through GSAT-8 and GSAT-10 with PRN127 & 128 respectively.

All the GPS users are requested to enable SBAS functionality in their receivers, configure it to receive PRN-127& 128 and avail the benefits of GAGAN in terms of increased accuracy and reliability. There may be occasional signal outages due to system up-gradation activities.

6. **USAGE OF THURAYA/ IRRIDUM AND SATELLITE PHONE**

The use of Thuraya, Iridium and other such satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act. It is intimated to all shipping companies/ shipping agents that use of Thuraya/ Iridium and other such satellite phones are banned in Indian waters and seafarers should not use the same.

Satellite phones can be used only after no objections certificate issued by department of telecommunication (DOT) on a case to case basis. The shipping agents should mandatorily intimate the details of person carrying Thuraya and the particulars of Thuraya, Iridium and other such sets in pre arrival notification on security (PANS).


The unauthorized holders of Thuraya/ Iridium and other such Satellite phones can be prosecuted under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act.

7. **CAUTIONARY NOTE**

There is a finite amount of lag between publication of large and small scale Indian Nautical Charts. To avoid uncertainty the mariners are advised to use large scale charts for coastal navigation wherever applicable and available. In addition, mariners are to refer large scale charts in conjunction with small scale charts in areas where both overlap during both planning and conduct of passage.

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:-

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	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	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
Mari-Sys Pte Ltd. 20 Ayer Rajah Crescent, 08-21, SE 139964, Republic of Singapore Ph: +65 6776 1898 Email: info@mari-sys.com	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	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
C-Map Holland Paleiskade100 PO Box 7 1781 AR Den Helder, Holland Ph: +31 223 616 700 E Mail: CorMallie cor@chartworx.nl		

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: ccmarine@bom5.vsnl.net.in	M/s Maritime Charts & Publicatons 2/524 Sundeep Road, Chinna Neelangarai, 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, Seetammampeta, Visakhapatnam-530 016 Tele Fax: 0891-2799471, Cell: 9440132553, 9849120988, 9885308200 Email : mahalakshmitravel@hotmail.com	M/s Jeppesen India Pvt. Ltd 505, Raheja Arcade, Sector 11 CBD, Belapur Navi Mumbai – 400 614 Tel: +91 22 6510 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	M/s L. R. Marine Services 301, 3rd Floor, Biry House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-6635 9148 Cell No: +91 8108926880/+91 98214 60258 Email: lrcharts@gmail.com , lrmarine@live.com
M/s Aatash Computer & Communications Pvt. Ltd. 213, Devarc Commercial Complex Nr. Iscom Circle (above Woodland Showroom) S. G. Highway Ahmedabad – 380 059 Mob: +91 7926923982/83, Fax: +91 7926923984 Email: info@aatash.com , zubin@aatash.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 in force as on 15 Jan 15:

<u>2013 SERIES</u> – 035 197 228 506 547 662
<u>2014 SERIES</u> – 111 211 233 241 310 311 336 398 405 406 415 438 439 440 467 476 489 553 555 575 586 614 654 662 668 676 677 687 691
<u>2015 SERIES</u> – 002 004 006 008 011 015 022 023 024 025 026 027 028 029 030 031 032

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

001. Wishing all seafarers happy sailing and safe navigation with fair weather in 2015. Wishing all a happy and prosperous new year. Shano Varuna.	
002. India East Coast – off Nizampatnam Port. Charts 32 355 356 3026 INT 71. Vyacheslav Tikhonov progressing seismic survey till 20 Feb 15 in area bounded by	
(a) 15-35.05N 080-18.23E	(b) 15-51.16N 080-38.00E
(c) 15-27.00N 081-01.80E	(d) 15-09.20N 080-42.33E
2. Vessel towing 04 streamers Of 4.5 NM length with yellow tail buoy with white flashing lights.	
3. Wide berth of 6.5 NM around vessel requested.	
4. Cancel this MSG 210001 UTC Feb 15.	
003. Bay of Bengal. Charts 31 INT 71 INT706. M T Vedika Prem reported loss of 02 life raft in position 17-27.6N 086-35.7E.	
2. Cancel this MSG 041003 UTC Jan 15.	
004. 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)
02 Jan 15	0900 to 1200
06 Jan 15	0900 to 1200
09 Jan 15	0900 to 1200 and 1230 to 1430
13 Jan 15	0900 to 1200
16 Jan 15	0900 to 1200
20 Jan 15	0900 to 1200
23 Jan 15	0900 to 1200
27 Jan 15	0900 to 1200 and 1230 to 1430
30 Jan 15	0900 to 1200
2. Firing 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 301300 UTC Jan 15.	
005. NAVAREA VIII – Warnings in force as on 02 Jan 2015	
<u>2013 Series</u> – 035 197 228 506 547 662	
<u>2014 Series</u> – 111 211 233 241 310 311 336 398 405 406 415 438 439 440 467 476 489 553 555 575 586 614 644 654 662 663 668 676 677 682 684 687 688 690 691	
<u>2015 Series</u> - 002 003 004	
(a) Text of NAVAREA VIII warnings inforce including those which are no longer being broadcast are available on www.hydrobharat.nic.in	
(b) Text of NAVAREA VIII warnings are also printed in section V of fortnightly editions of Indian Notices to Mariners.	
2. Cancel this MSG 091001 UTC Jan 15.	
006. India West Coast – Malwan. Charts 22 213 214 256 293 INT 71. Naval ship will progress hydrographic survey from 04 - 24 Jan 15 in area bounded by	
(a) 15-50.0N 073-10.5E	(b) 15-50.0N 073-25.0E
(c) 16-07.0N 073-25.0E	(d) 16-07.0N 073-10.5E
2. Wide berth of 03 NM from ship requested.	
3. Cancel this MSG 250001 Jan 15.	

007.	Cancel NAVAREA VIII 682/14 and this MSG. INTM 032/15 refers.		
008.	India East Coast – Gopalpur. Charts 31 352 353 391 3005 INT 706.		
2.	Army air defence firing scheduled from 072330-101730 and 182330-211730 and 262330-311730 Jan 15 in area bounded by		
	(a) 19-14.60N 084-53.70E	(b) 19-07.39N 085-35.94E	(c) 18-33.61N 084-53.74E
	and arc of 42 NM radius joining point (b) and (c). Safe flying height 6100 Mtrs.		
3.	Basic pilotless target aircraft flight scheduled from 072330-101730 and 182330-211730 and 262330-311730 Jan 15 in area bounded by		
	(a) 19-17.67N 084-55.21E	(b) 19-10.75N 084-47.38E	
	(c) 18-56.03N 084-52.64E	(d) 19-12.33N 085-14.92E	
	Safe flying height 1550 m.		
4.	No over flight and vessels permitted in area.		
5.	Cancel this MSG 311830 UTC Jan 15.		
009.	India East Coast – off Chennai. Charts 31 32 33 356 391 INT 706. CG aircraft firing practice scheduled from 08-14 Jan 15 between 0130-1130 UTC in 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 and above.		
3.	Cancel this MSG 141230 UTC Jan 15.		
010.	Cancel NAVAREA VIII 644 690/14 and this MSG.		
011.	India East Coast – Off Andhra Coast. Charts 31 308 354 391 3030 INT 71 INT 706. Naval ship progressing Hydrographic survey in Jan 15 in area		
	(a) Off Vizag till 10 Jan		
	(i) 17-09.5N 083-24.0E	(ii) 17-11.2N 083-22.5E	
	(iii) 17-21.0N 083-32.2E	(iv) 17-19.2N 083-34.5E	
	(b) Off Kottapatnam from 10-12 Jan		
	(i) 17-24.0N 082-51.5E	(ii) 17-26.5N 082-51.5E	
	(iii) 17-26.5N 082-53.5E	(iv) 17-24.0N 082-53.5E	
	(c) Off Kalinga from 12-16 Jan		
	(i) 17-51.0N 083-25.2E	(ii) 17-52.0N 083-25.2E	
	(iii) 17-52.0N 083-26.3E	(iv) 17-51.0N 083-26.3E	
2.	Wide berth of 02 and 01 NM around ship and survey boat requested.		
3.	Cancel this MSG 170001 UTC Jan 15.		
012.	Cancel NAVAREA VIII 688/14. India West Coast – Arabian Sea. Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706. Rig list. Correct at 061002 UTC Jan 15		
	ABAN III	18-47.46N	071-59.99E
	ABAN ICE	18-35.95N	071-15.96E
	BADRINATH	21-36.81N	068-35.17E
	CE THORNTON	23-03.00N	072-23.00E (new)
	DISCOVERY-1	19-05.35N	072-06.89E
	DYNAMIC VISION	18-39.23N	070-58.86E
	ENERGY DRILLER	18-35.98N	071-00.28E
	FG MC CLINTOCK	19-32.35N	071-20.92E
	GREAT DRILLER CHAAYA	19-42.00N	071-03.13E
	GREATDRILL CHETNA	19-57.30N	071-14.47E
	HARVEY H WARD	19-36.73N	071-24.01E
	JINDAL STAR	18-54.75N	071-49.57E
	JT ANGEL	20-09.38N	071-49.42E
	KEDARNATH	23-01.68N	068-20.34E
	NOBLE ED HOLT	18-55.59N	072-02.48E
	RON TAPMEYAR	19-14.45N	070-58.88E
	SAGAR GAURAV	19-12.67N	070-55.61E
	SAGAR SHAKTI	19-13.89N	072-08.37E
	SAGAR JYOTI	19-25.56N	071-17.81E
	SAGAR KIRAN	19-25.24N	071-16.99E
	SAGAR LAXMI	20-58.00N	071-33.00E
	SAGAR PRAGATI	20-58.00N	071-33.00E
	SAGAR UDAY	18-36.16N	071-01.64E
	SUNDOWNER VII	18-29.06N	072-15.15E
	TRIDENT II	18-29.42N	072-14.73E

012. Continued.				
	TRIDENT XII	19-07.35N	072-06.45E	
	VICTORY DRILLER	19-27.56N	071-11.24E	
	VIRTUE-I	19-28.70N	071-46.66E	
2.	Wide berth requested.			
013. Cancel NAVAREA VIII 684/14. India East Coast – Bay of Bengal. Charts 31 32 33 354 355 357 391 INT 706. Rig list correct at 061003 UTC Jan 15				
	ABAN II	16-39.00N	082-22.74E	
	ACTINIA	16-19.34N	082-14.82E	
	DEEP SEA MATDRILL	16-24.53N	082-02.93E	
	DSR DHIRUBHAI DEEPWATER KG-2	16-39.29N	082-40.37E	
	DSR PLATINUM EXPLORER	16-08.30N	082-05.50E	
	GSF-140	16-35.07N	082-27.83E	
	HERCULES 208	16-28.50N	082-11.60E (new)	
	NOBLE DUCHESS	16-15.20N	082-10.50E	
	SAGAR VIJAY	16-33.72N	082-28.36E	
	SAGAR BHUSHAN	16-33.29N	082-23.76E	
	SAGAR RATNA	16-22.04N	081-59.25E	
2.	Wide berth requested.			
014. Arabian Sea. Charts INT 71 INT 73 INT 705. MT Tenki reported parachute/ semi inflated air balloon of white colour with black squares filled with red, green, yellow colours drifting south-easterly in position 15-36.0N 068-50.5E ON 06 Jan 15.				
2.	Cancel this MSG 101001 UTC Jan 15.			
015. India West Coast – off Mumbai High. Charts 21 253 254 255 292 293 INT 71. MV Geo Caspian will progress seismic survey for one month from 08 Jan 15 in area bounded by				
	Area 1			
	(a)	19-53N	071-24E	(b) 20-06N 071-24E
	(c)	19-55N	070-40E	(d) 19-42N 070-40E
	Area 2			
	(a)	19-34N	071-15E	(b) 19-19N 071-13E
	(c)	19-20N	070-40E	(d) 19-15N 070-40E
2.	Wide berth of 06 NM around requested.			
3.	Cancel this MSG 090001 UTC Feb 15.			
016. Cancel NAVAREA VIII 013/15. India East Coast – Bay of Bengal. Charts 31 32 33 354 355 357 391 INT 706. Rig list correct at 081001 UTC Jan 15				
	ABAN II	16-39.14N	082-22.72E	NEW
	ACTINIA	16-19.34N	082-14.82E	
	DEEP SEA MATDRILL	16-24.53N	082-02.93E	
	DSR DHIRUBHAI DEEPWATER KG-2	16-41.80N	082-41.50E	NEW
	PLATINUM EXPLORER	16-32.90N	082-31.20E	NEW
	GSF-140	16-35.07N	082-27.83E	
	HERCULES 208	16-28.50N	082-11.60E	
	NOBLE DUCHESS	16-18.17N	082-13.78E	NEW
	SAGAR VIJAY	16-33.72N	082-28.36E	
	SAGAR BHUSHAN	16-33.29N	082-23.76E	
	SAGAR RATNA	16-22.04N	081-59.25E	
2.	Wide berth requested.			
017. India West Coast- Gulf of Khambhat. Charts 21 209 210 254 292 INT 705. Firing practice by CG aircraft scheduled on 10 Jan 15 from 0130 to 0730 UTC in area bounded by				
	(a)	20-18.5N	072-02.5E	(b) 20-18.5N 072-15.0E
	(c)	20-09.5N	072-12.0E	(d) 20-09.5N 072-00.0E
2.	Safe flying height 1600 metres.			
3.	Cancel this MSG 100830 UTC Jan 15.			
018. India East Coast – off Sacramento Shoal. Charts 31 355 391 INT 706. RV Sindhu Sankalp progressing geophysical survey till 12 Jan 15 in area bounded by				
	(a)	16-33.17N	082-33.00E	(b) 16-27.54N 082-29.07E
	(c)	16-27.55N	082-27.88E	(d) 16-31.73N 082-27.91E
	(e)	16-33.53N	082-30.46E	
2.	Wide berth of more than 600 Mtrs around vessel requested.			
3.	Cancel this MSG 130001 UTC Jan 15.			

019. India West Coast – Goa. Charts 22 214 215 257 293 INT 71 INT 705. Firing by naval coast battery scheduled from 0400 to 0730 UTC on 14 Jan 15.					
2. Danger area bounded by 200 to 260 degree from MPT building at Mormugao head up to 20 NM seaward.					
3. Safe flying height 6500 mtrs.					
4. No vessels permitted in area.					
5. Cancel this MSG 140830 UTC Jan 15.					
020. India East Coast – off Kakinada. Charts 31 32 391 INT 71 INT 706. Naval ships will carryout Lakshya firing on 15 Jan from 0230 to 0730 UTC in area bounded by					
(a)	15-30N	083-24E	(b)	16-14N	084-00E
(c)	15-34N	084-46E	(d)	15-08N	084-24E
2. Safe flying height 8000 m.					
3. Cancel this MSG 150830 UTC Jan 15.					
021. India East Coast – off Kakinada. Charts 31 32 391 INT 71 INT 706. Naval ships will carryout missile firing practice on 15 Jan from 0500 to 1000 UTC in area bounded by					
(a)	15-30N	083-24E	(b)	16-14N	084-00E
(c)	15-34N	084-46E	(d)	15-08N	084-24E
2. Safe flying height 22000 Mtrs.					
3. Cancel this MSG 151100 UTC Jan 15.					
022. Cancel NAVAREA VIII 016/15. India East Coast – Bay of Bengal. CHARTS 31 32 33 354 355 357 391 INT 706. Rig list correct at 081001 UTC Jan 15					
	ABAN II	16-39.14N		082-22.72E	
	ACTINIA	16-19.34N		082-14.82E	
	DEEP SEA MATDRILL	16-24.53N		082-02.93E	
	DSR DHIRUBHAI DEEPWATER KG-2	16-41.80N		082-41.50E	
	PLATINUM EXPLORER	16-32.90N		082-31.20E	
	GSF-140	16-35.07N		082-27.83E	
	HERCULES 208	16-28.50N		082-11.60E	
	NOBLE DUCHESS	16-18.17N		082-13.78E	
	SAGAR VIJAY	16-32.72N		082-28.36E	
	SAGAR BHUSHAN	16-32.38N		082-23.76E	NEW
	SAGAR RATNA	16-22.04N		081-59.25E	
2. Wide berth requested.					
023. NAVAREA VIII – Warnings in force as on 09 Jan 2015					
2013 Series – 035 197 228 506 547 662					
2014 Series – 111 211 233 241 310 311 336 398 405 406 415 438 439 440 467 476 489 553 555					
575 586 614 654 662 663 668 676 677 687 691					
2015 Series – 002 004 006 008 009 011 012 014 015 017 018 019 020 021 022					
(a) Text of NAVAREA VIII warnings inforce including those which are no longer being broadcast are available on www.hydrobharat.nic.in					
(b) Text of NAVAREA VIII warnings are also printed in section V of fortnightly editions of Indian Notices to Mariners.					
2. Cancel this MSG 161005 UTC Jan 15.					
024. Bay of Bengal. Charts 31 351 360 361 INT 71 INT 706. Bangladesh navy will conduct exercise sea thunder from 12-27 Jan 15 in designated exercise areas listed in Bangladesh N to M 01/2015. During exercise all merchant ships entering / leaving Bangladesh waters to establish communication with CPA and MPA on VHF channel 12 /16 and HF channel 1 while crossing parallels of lat 20-34N and 21-10N.					
2. Cancel this MSG 280001 UTC Jan 15.					
025. India West Coast – off Mumbai High. Charts 21 208 209 210 252 253 254 292 INT 71. Research vessel Artemis Arctic progressing seismic survey till 31 May 15 in area bounded by					
(a)	21-03.85N	072-09.25E	(b)	21-13.38N	072-34.57E
(d)	20-59.45N	072-45.27E	(e)	20-52.13N	072-45.45E
(g)	20-05.81N	072-29.78E	(h)	19-40.08N	071-37.30E
(k)	20-25.01N	071-44.46E	(l)	20-29.61N	071-48.81E
			(m)	20-42.25N	072-00.48E
2. Vessel towing 4-6 streamer cables of 6 km length with yellow tail buoy with white flashing lights.					
3. Wide birth of 05 NM around vessel requested.					
4. Cancel this MSG 010001 UTC Jun 15.					

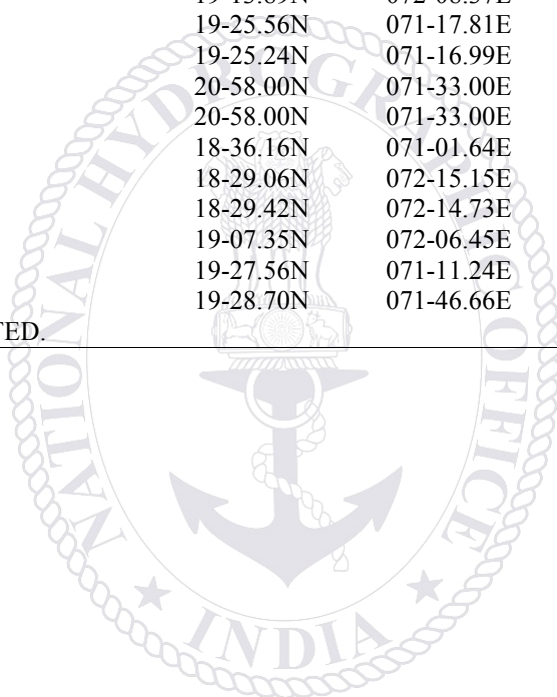
026. India East Coast – Bay of Bengal. Charts 31 33 353 354 472 473 INT 71 INT 706. Research vessel Joides resolution progressing 3D seismic route survey till 25 Jan 15 in area bounded by					
(a)	10-47.41N	093-00.00E	(b)	10-38.03N	093-00.00E
(c)	18-59.82N	085-37.29E	(d)	17-44.72N	084-47.25E
(e)	19-05.01N	085-44.09E	(f)	05-23.56N	090-21.44E
(g)	10-49.34N	093-06.73E	(h)	10-23.44N	093-16.69E
(j)	10-43.47N	093-05.33E	(k)	18-56.11N	085-41.98E
(l)	19-01.47N	085-42.88E	(m)	18-02.21N	085-09.74E
(n)	18-55.32N	085-45.87E			
2. Cancel this MSG 260001 UTC Jan 15.					
027. Bay of Bengal. Charts 31 INT 71 INT 706. INCOIS reported drifting of mooring buoy towards South-West With 2.2 KM combination ropes and oceanographic equipment's. Position of Buoy 17-03.48N 086-54.97E at 140700 UTC Jan 15.					
028. Cancel NAVAREA VIII 012/15. India West Coast- Arabian Sea. Charts 21 22 208 209 254 292 293 2044 INT 71 INT 705 INT 706. Rig list. Correct at 141002 UTC Jan 15					
ABAN III	18-47.46N	071-59.99E			
ABAN ICE	18-35.95N	071-15.96E			
BADRINATH	21-36.81N	068-35.17E			
CE THORNTON	23-03.00N	072-23.00E			
DISCOVERY-1	19-05.35N	072-06.89E			
DYNAMIC VISION	18-39.23N	070-58.86E			
ENERGY DRILLER	18-35.98N	071-00.28E			
FG MC CLINTOCK	19-32.35N	071-20.92E			
GREAT DRILLER CHAAYA	19-42.00N	071-03.13E			
GREATDRILL CHETNA	19-57.30N	071-14.47E			
HARVEY H WARD	19-36.73N	071-24.01E			
JINDAL STAR	18-54.75N	071-49.57E			
JT ANGEL	20-09.38N	071-49.42E			
KEDARNATH	20-15.31N	071-15.17E	NEW		
NOBLE ED HOLT	18-55.59N	072-02.48E			
RON TAPMEYAR	19-14.45N	070-58.88E			
SAGAR GAURAV	19-12.67N	070-55.61E			
SAGAR SHAKTI	19-13.89N	072-08.37E			
SAGAR JYOTI	19-25.56N	071-17.81E			
SAGAR KIRAN	19-25.24N	071-16.99E			
SAGAR LAXMI	20-58.00N	071-33.00E			
SAGAR PRAGATI	20-58.00N	071-33.00E			
SAGAR UDAY	18-36.16N	071-01.64E			
SUNDOWNER VII	18-29.06N	072-15.15E			
TRIDENT II	18-29.42N	072-14.73E			
TRIDENT XII	19-07.35N	072-06.45E			
VICTORY DRILLER	19-27.56N	071-11.24E			
VIRTUE-I	19-28.70N	071-46.66E			
2. Wide berth requested.					
029. Arabian Sea – Okha. Charts 203 252 291 2068 INT 71. Dalda Bander light FL(2) W 5S 1M established in position 22-26.866N 069-04.368 on 5 metre concrete structure.					
030. India West Coast – Off Porbandar. Charts 21 204 252 292 INT 71. Fishing boat Sagar ki Lahari reported sunk in position 21-40N 069-10E. 02 crew missing.					
031. India West Coast-off Mumbai high. Charts 21 210 211 254 255 292 293 INT 71. Survey vessel WG Magellan progressing seismic survey till 13 Feb 15 in area bounded by					
(a)	18-58.00N	072-34.13E	(b)	19-07.25N	072-35.08E
(c)	19-07.09N	072-08.39E	(d)	19-52.13N	072-08.44E
(e)	19-52.12N	071-48.41E	(f)	18-58.00N	071-48.46E
2. Vessel towing 08 seismic cables of 3.6 NM length with yellow tail buoy with flashing light.					
3. Wide birth of over 05 NM astern and 02 NM ahead and abeam requested.					
4. Cancel this MSG 140001 UTC Feb 15.					

032. Cancel NAVAREA VIII 028/15. India West Coast - Arabian Sea. Charts 21 22 208 209 254 292 293 2044 INT

71 INT 705 INT 706. Rig list. correct at 151003 UTC Jan 15

ABAN III	18-47.46N	071-59.99E
ABAN ICE	18-35.95N	071-15.96E
BADRINATH	19-28.06N	071-53.40E NEW
CE THORNTON	23-03.00N	072-23.00E
DISCOVERY-1	19-05.35N	072-06.89E
DYNAMIC VISION	18-39.23N	070-58.86E
ENERGY DRILLER	18-35.98N	071-00.28E
FG MC CLINTOCK	19-32.35N	071-20.92E
GREAT DRILLER CHAAYA	19-42.00N	071-03.13E
GREATDRILL CHETNA	19-57.30N	071-14.47E
HARVEY H WARD	19-36.73N	071-24.01E
JINDAL STAR	18-54.75N	071-49.57E
JT ANGEL	20-09.38N	071-49.42E
KEDARNATH	20-15.31N	071-15.17E
NOBLE ED HOLT	18-55.59N	072-02.48E
RON TAPPMAYAR	19-14.45N	070-58.88E
SAGAR GAURAV	19-12.67N	070-55.61E
SAGAR SHAKTI	19-13.89N	072-08.37E
SAGAR JYOTI	19-25.56N	071-17.81E
SAGAR KIRAN	19-25.24N	071-16.99E
SAGAR LAXMI	20-58.00N	071-33.00E
SAGAR PRAGATI	20-58.00N	071-33.00E
SAGAR UDAY	18-36.16N	071-01.64E
SUNDOWNER VII	18-29.06N	072-15.15E
TRIDENT II	18-29.42N	072-14.73E
TRIDENT XII	19-07.35N	072-06.45E
VICTORY DRILLER	19-27.56N	071-11.24E
VIRTUE-I	19-28.70N	071-46.66E

2. WIDE BERTH REQUESTED.



SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

- NIL -

SECTION – VII

CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D7326.32	- - S Breakwater. Head	24 31.44 N 56 36.42 E	Iso G 4s	6	5	Grey metal post 3	
							*
F0358	- Breakwater. Head	22 49.10N 69 20.90E	Fl R 3s	8	5	White square concrete column red on top 7	<i>fl 0.5.</i> TE 2014
							*
F0547.6	- - Barancle Rk	18 57.89 N 72 56.73 E	QR	..	..	..	(T) 2014
*	*	*	*	*	*	*	*
F0387.5	Dalda Bandar	22 26.87 N 69 04.37 E	Fl(2)W 5s	5	1	Concrete structure on submerged rock 5	<i>fl 0.5, ec 1.0, fl 0.5, ec 3.0</i>
*	*	*	*	*	*	*	*
F0413.05	- - Centre	20 45.36 N 70 39.89 E	Fl W			Δ on structure	
*	*	*	*	*	*	*	*
F0413.1	- S Jetty. S head	20 45.24 N 70 39.98 E	Oc R				
							*
F0413.15	- - N head	20 45.39 N 70 39.92 E	Fl W			Δ on structure	
*	*	*	*	*	*	*	*
F0413.2	- N Jetty. Head	20 45.58 N 70 39.84 E	Fl G				
							*
F0413.4	- Ldg Lts 341° Front.	20 45.82 N 70 39.82 E	Fl W	22		Δ on structure	
						*	
F0413.41	- - Rear (310m from front)	20 45.99 N 70 39.76 E	F W	22		∇ on structure	
						*	
F0413.5	- Ldg Lts 343°. Front	20 45.85 N 70 39.89 E	Oc R	22		Δ on structure	
						*	
F0413.51	- - Rear (280m from front)	20 45.98 N 70 39.85 E	F R	22		∇ on structure	
						*	
F0758.01	- Kandheema Magu Channel. Entrance. Stbd	08 18.93 N 73 02.25 E	Fl G 5s	..	..	White beacon on pillar, green bands	
*	*	*	*	*	*	*	*
F0758.015	- - - Port	08 18.97 N 73 02.29 E	Fl R 5s	..	..	White beacon on pillar, red bands	
*	*	*	*	*	*	*	*
F1523.5	- Bulk Cargo Terminal	05 22.03 N 100 21.97 E	Oc W RG 5s	12	W 10 R 8 G 8	Red Δ on red beacon, white bands	G 163°- 166.6°(3.6°) W 166.6°- 169.3°(2.7°) R 169.3°- 173°(3.7°)
							*
F1685.78	- Banyan	01 13.35 N 103 41.58 E	Fl(2)W 10s	11	5	Black 8 on black beacon, red band	Ra refl. Isolated danger mark. TE; Replaced by banyan light buoy Fl(2) 10s (T) 2014
							*
F9308.534	West of Bombay High Oilfield. FPSO	19 10.60 N 70 56.80 E	Lit	..	..	..	Storage tanker
*	*	*	*	*	*	*	*

SECTION – VIII

CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2014

(Last correction: Edition No. 24 dated 15 Dec 2014)

NIL

INP 31(2), 2014

(Last correction: Edition No. 23 dated 01 Dec 2014)

AUTOMATIC IDENTIFICATION SYSTEM (AIS)

PAGE 36-38, INDIA

Delete all details of MMSI No 994196018, 994196020, 994196022 and replace by:

Off Karanja Buoy	18°55'.11N 72°52'.23E	994196018	Broadcast every 3 minutes	Virtual	21
Off No.2 Red Buoy	18°51'.44N 72°49'.05E	994196022	Broadcast every 3 minutes	Virtual	21
Off Sunk Rock	18°52'.13N 72°50'.41E	994196020	Broadcast every 3 minutes	Virtual	21

(Source: INHO)

(02/15)

INP 31(5), 2011

(Last correction: Edition No. 22 dated 16 Nov 2014)

NIL

INP 31(6), 2012

(Last correction: Edition No. 01 dated 01 Jan 2015)

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.

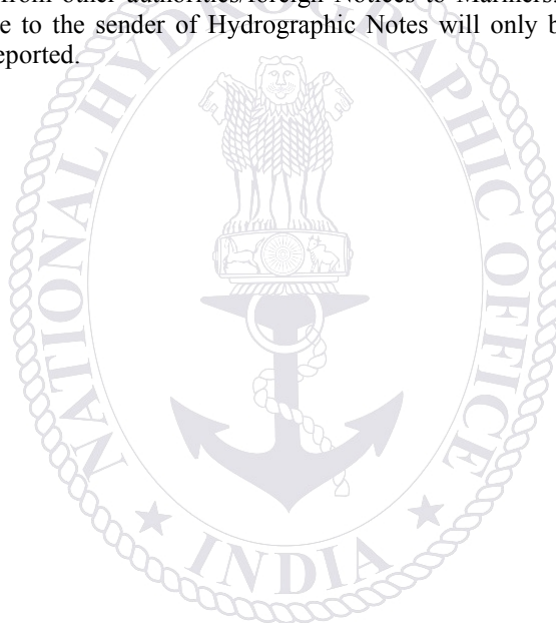
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be 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	



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