



INDIAN NOTICES TO MARINERS



EDITION NO. 20 DATED 16 OCT 2015

(CONTAINS NOTICES 164 TO 171)

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.gov.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**

WARNING AGAINST USE OF COUNTERFEIT PRODUCTS

All mariners are cautioned against the use of counterfeit copies of IN Charts and publications. Navigational Charts produced after 31 Oct 14 carry NHO crest as watermark on the reverse with backslip. Chart Agent's stamp is 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 charts and publications. Failure to comply with the warning may invite legal action.

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 some 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 Chart that are 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>
3012 (INT 7411)	15-09-2015	VISAKHAPATNAM HARBOUR Limits 17° 39'.23N; 83° 15'.70E. 17° 43'.50N; 83° 22'.72E.	12,500	5	Rs. 1870.00
4111	30-09-2015	PORT MOUAT 11° 34'.80N; 92° 25'.40E. 11° 43'.40N; 92° 38'.90E.	25,000	6	Rs. 1870.00

2. The new edition Indian Electronic Navigational Charts that are available for mariners in the market are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN62078O	2078	PORT OF MORMUGAO	13-10-2015
IN62010N	2010	KARWAR NAVAL HARBOUR	13-10-2015

3. 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>
IN62078O	2078	PORT OF MORMUGAO	28-04-2015
IN62010N	2010	KARWAR NAVAL HARBOUR	21-01-2014

4. 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>
3012 (INT 7411)	31-05-2007	VISHAKHAPATNAM HARBOUR	3012 (INT 7411)	15-09-2015
4002 (PORT MOUAT AND APPROACHES ONLY)	31-07-2001	PORT MOUAT AND APPROACHES	4111	30-09-2015

5. The forthcoming Indian Chart are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2035	KALPENI AND CHERIYAM ISLAND	25,000	New Chart
2059 (INT 7322)	KANDLA SOGAL CHANNEL	20,000	New Chart
	KANDLA CREEK	15,000	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:

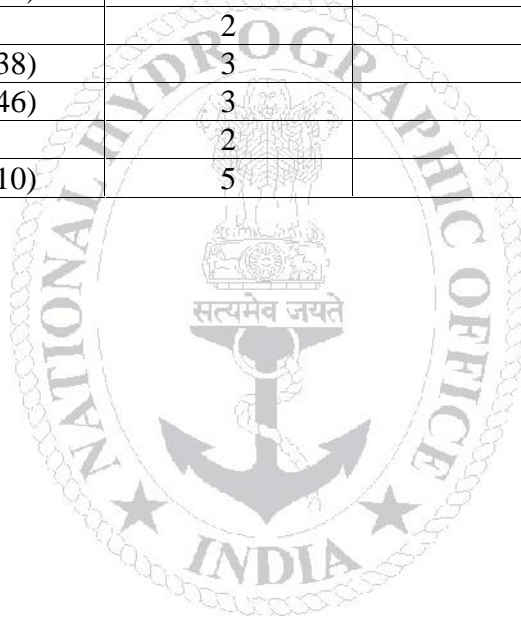
United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Telex: 46274 Web site: www.ukho.gov.uk	M/s Jeppesen Norway AS Hovalandsveien 52 PO Box 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: 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	M/s IIC Technologies Limited B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad- 500 034 Tel:+91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com



SECTION – I

The list of charts affected by the Notices 164 to 171 contained in this edition is as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
203 (INT 7319)	2	165
208	2	166
210	2	164
211	3	167
254 (INT 7331)	2	166
259 (INT 7356)	3	170
260 (INT 7362)	3	170
321	7	171
322	7	171
404	6	164
405	6	164
2010	3	164, 169
2016 (INT 7736)	3	167
2039	2	166
2076 (INT 7338)	3	167
2078 (INT 7346)	3	168
2082	2	166
3002 (INT 7410)	5	164



SECTION – II
PERMANENT NOTICES

***164 (20/15) Miscellaneous updates to charts**

Source: NHO Dehradun.

Chart	Previous Updates	Details
404	074/15	Insert Chart No.4111 and Magenta limit as follows: 11° 34′.80N., 92° 25′.40E. 11° 43′.40N., 92° 25′.40E. 11° 43′.40N., 92° 38′.90E. 11° 34′.80N., 92° 38′.90E. 11° 34′.80N., 92° 25′.40E.
		Delete Chart No.4002 and Magenta limit as follows: 11° 35′.20N., 92° 30′.20E. 11° 41′.90N., 92° 30′.20E. 11° 41′.90N., 92° 38′.90E. 11° 35′.20N., 92° 38′.90E. 11° 35′.20N., 92° 30′.20E.
405	062/13	Insert Chart No.4111 and Magenta limit as follows: 11° 34′.80N., 92° 25′.40E. 11° 43′.00N., 92° 25′.40E. (N Border) 11° 43′.00N., 92° 38′.90E. (N Border) 11° 34′.80N., 92° 38′.90E. 11° 34′.80N., 92° 25′.40E.
		Delete Chart No.4002 and Magenta limit as follows: 11° 35′.20N., 92° 30′.20E. 11° 41′.90N., 92° 30′.20E. 11° 41′.90N., 92° 38′.90E. 11° 35′.20N., 92° 38′.90E. 11° 35′.20N., 92° 30′.20E.
3002 (INT 7410)	082/15	Insert Chart No.3012 (INT 7411) and Magenta limit as follows: 17° 39′.23N., 83° 15′.70E. 17° 43′.50N., 83° 15′.70E. 17° 43′.50N., 83° 22′.72E. 17° 39′.23N., 83° 22′.72E. 17° 39′.23N., 83° 15′.70E.
		Delete Chart No.3012 (INT 7411) and Magenta limit as follows: 17° 39′.29N., 83° 15′.69E. 17° 43′.56N., 83° 15′.69E. 17° 43′.56N., 83° 22′.62E. 17° 39′.29N., 83° 22′.62E. 17° 39′.29N., 83° 15′.69E.
Chart 210	<i>INM 153 (18/15)</i> to read as follows:	
	Read previous update 201/14	
Chart 2010	For legend: Notices to Mariners 2014-075 (LL corner of chart)	
	Amend as: Notices to Mariners 2015-075 (LL corner of chart)	

***165 (20/15) INDIA – WEST COAST – Gulf of Kachchh – Port Backup Area – Jetty.**

Source: NHO.

Chart 203 (INT 7319) [previous update 079/15]

Insert	Port Backup Area, single firm line joining;	(a)	22° 55′.37N., 70° 06′.11E. 22° 55′.81N., 70° 06′.09E. 22° 55′.83N., 70° 06′.48E. 22° 55′.39N., 70° 06′.50E.
		(a)	above

***165 (20/15) INDIA – WEST COAST – Gulf of Kachchh – Port Backup Area – Jetty. Continued.**

Jetty, single firm line joining;

22° 55′.38N., 70° 06′.22E.

22° 53′.22N., 70° 06′.33E.

and

22° 53′.15N., 70° 06′.19E.

22° 53′.31N., 70° 06′.49E.

***166 (20/15) INDIA – WEST COAST – Approaches to Dahej – Foul.**

Source: VTS Khambhat.

Chart 254 (INT 7331) [previous update 154/15]

Insert #

21° 39′.87N., 72° 25′.31E.

Chart 208 [previous update 145/15]

Insert #

21° 39′.87N., 72° 25′.31E.

Chart 2039 [previous update 145/15]

Insert #

21° 39′.86N., 72° 25′.33E.

Chart 2082 [previous update 145/15]

Insert #

21° 39′.90N., 72° 25′.30E.

***167 (20/15) INDIA – WEST COAST – Jawahar Lal Nehru Port and Trombay – Light.**

Source: NHO.

Chart 2016 (INT 7336) [previous update 091/15]

Amend light to, F.R.54m

18° 56′.70N., 72° 56′.32E.

Chart 2076 (INT 7338) [previous update NC 30 Apr 15]

Amend light to, F.R.54m

18° 56′.70N., 72° 56′.32E.

Chart 211 [previous update 091/15]

Amend light to, F.R.54m

18° 56′.70N., 72° 56′.32E.

***168 (20/15) INDIA – WEST COAST – Port of Mormugao – Foul.**

Source: NHO.

Chart 2078 (INT 7346) [previous update NC 30 Apr 15]

Delete #



15° 25′.94N., 73° 50′.39E.

***169 (20/15) INDIA – WEST COAST – Karwar Naval Harbour – Tower – Wreck – Legend.**

Source: NHO.

Chart 2010 [previous update 164/15]Insert  Radar

14° 45′.36N., 74° 10′.57E.

Substitute  Wk for  Wk

14° 46′.96N., 74° 06′.67E.

Amend legend “soM” to, “R”

14° 45′.85N., 74° 08′.17E.

***170 (20/15) INDIA – WEST COAST – Kochi (Cochin) to Cape Comorin – Depths – Shoal.**

Source: NHO.

Chart 259 (INT 7356) [previous update 091/15]

Delete Depth, 8₇ (a) 09° 20′.93N., 76° 17′.62E.
Shoal, enclosing, (a) above

Chart 260 (INT 7362) [previous update 063/15]

Delete Depth, 8₇ (a) 09° 22′.69N., 76° 16′.96E.
(b) 09° 20′.93N., 76° 17′.62E.
Shoal, enclosing, (a)-(b) above

171 (20/15) BAY OF BENGAL – COAST OF BURMA – Combermere Bay to Cheduba Strait – Spoil Ground.

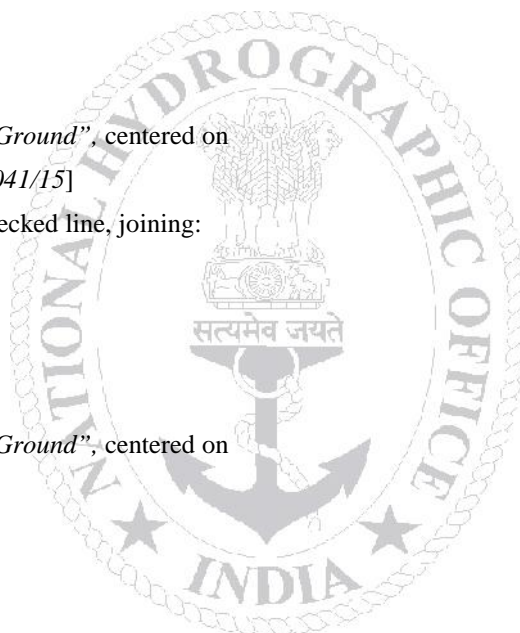
Source: BA Notice – 4816/15.

Chart 321 [previous update 118/15]

Insert spoil ground, pecked line, joining: (a) 19° 31′.20N., 93° 22′.30E.
19° 32′.80N., 93° 22′.70E.
19° 32′.40N., 93° 24′.40E.
19° 30′.80N., 93° 24′.00E.
(a) above
legend, “*Spoil Ground*”, centered on 19° 31′.80N., 93° 23′.40E.

Chart 322 [previous update 041/15]

Insert spoil ground, pecked line, joining: (a) 19° 31′.20N., 93° 22′.30E.
19° 32′.80N., 93° 22′.70E.
19° 32′.40N., 93° 24′.40E.
19° 30′.80N., 93° 24′.00E.
(a) above
legend, “*Spoil Ground*”, centered on 19° 31′.80N., 93° 23′.40E.



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 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:-

<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@martin.cn</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@globalcharts.in Web: www.globalcharts.com.sg	EW Liner Charts & Publication (India) 2/524 Sundeep Road, Chinna Neelangerai, Chennai 600041 Tele/Fax : +91-44-24490668 Mob No : +91-9003245348 Email: maritimeindia@airtelmail.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@vsnl.com, sales@ccmarine.in	Gujarat Pipavav Port Limite PO – Ucchaya, Dist.- Amereli Gujarat – 365 560 Tele:- 91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)
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 6510 3668, Fax: +91 22 55939504 Mob: +9322238542 Email: RajShekhar.Chakravorty@jeppesen.com, info@jeppesen.com Website: www.jeppesen.com
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 Global Marine Infratech Pvt. Ltd. Siksha Sandan, Ground Floor, ND-7, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +919937064299 Email: ashiskantha@gmiindia.in Web: www.gmiindia.in
Lift O Marine Allen's Mansion, C6 Nungi Station Road, Kolkata – 700140 Mob: +91 9836972027 / 8902228463 Email: sankar@liftomarine.org / liftomarine77@gmail.com Web: www.liftomarine.org	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 Engineering Logistics Executive Multi Services Elems Charts, Door No: 61-4-45-A/4, Prakash Nagar Malkapuram Visakhapatnam - 530 011 Mob: +91 9133871827 Email: sales@elemscharts.in Web: www.elemscharts.in	M/s IIC Technologies Limited B-2-350/5/B-22, Road No. 3 Banjara Hills, Hyderabad- 500 034 Tel:+91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com
M/s Aatash Computer & Communications Pvt. Ltd. 213, Devarc Commercial Complex Nr. Iscom Circle (above Woodland Showroom) S. G. Highway Ahmedabad – 380 015 Mob: +91 7926923982 Email: jyoti@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. 12 of the Special edition of Indian Notice to Mariners – 2012.

2. NAVAREA VIII Warnings in force as on 15 Oct 15:

2014 SERIES – 676

2015 SERIES – 124 287 288 298 334 386 408 439 445 484 486 498 507 514 522 547 556 565 567
573 582 616 629 632 633 635 640 641 644 645 646 650 651 655 657 660 661 662 665 668 671
672 673 674 676 678

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

640. India East Coast – off Gopalpur. Charts 31 352 353 391 INT 706. Army air defence firing and BPTA flight scheduled on 052330-061730, 062330-071730, 072330-081730, 192330-201730, 202330-211730, 212330-221730 UTC Oct 15

2. Firing 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 ht 6100 m.

3. BPTA flight in area bounded by 19-17.67N 084-55.21E, 19-10.75N 084-47.38E, 18-56.03N 084-52.64E, 19-12.33N 085-14.92E. Safe flying ht 1525 m.

4. No over flight and vessels permitted in danger area.

5. Cancel this MSG 221830 UTC Oct 15.

641. India West Coast – Kochi. Charts 22 32 220 259 260 2004 INT 71. Firing by Naval Coast Battery scheduled on

Date	Time (UTC)
06 Oct 15	0900-1200
09 Oct	0900-1200, 1230-1430
13 Oct	0900-1200,
16 Oct	0900-1200
20 Oct	0900-1200
27 Oct	0900-1200
30 Oct	0900-1200, 1230-1430

2. Firing area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44.0N 076-17.5E, 09-42.5N 076-09.5E. Safe flying ht 10 KM.

3. Cancel this MSG 301530 UTC Oct 15.

642. NAVAREA VIII Warnings in Force as on 01 Oct 15

2014 Series – 676

2015 Series – 124 287 288 298 334 386 408 438 439 445 470 484 486 498 507 514 522 547
556 565 567 573 582 616 628 629 630 632 633 634 635 637 638 639 640 641

(a) NAVAREA VIII warnings less than 42 days old (573/15) promulgated via SafetyNet.

(b) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available on www.hydrobharat.nic.in.

(c) Cancel this MSG 091000 UTC Oct 15.

643. India West Coast – off Trivandrum. Charts 22 32 222 INT 71 (.) Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 070830-071130, 080530-080730, 090530-090730 UTC Oct 15.

2. Danger zone

(a) Sector of radius 05 NM from Thumba between azimuth 190 and 300.

(b) Sector of radii 45 and 75 NM from Thumba between azimuth 220 and 260.

3. No over flight and shipping permitted in danger zone.

4. Cancel this MSG 090830 UTC Oct 15.

644. Andaman Sea – South Andaman. Chart 41 405 INT 71. Sailing vessel Maria Jothi reported sunk in vicinity 11-14.85N 092-43.38E on 01 Oct 15. All crew rescued.

645. India East Coast – Bay of Bengal. Charts 31 INT 706. Seismic survey vessel Samudra Ratnakar progressing survey till 25 Oct 15 in area bounded by 17-51.63N 086-06.03E, 17-25.20N 086-32.81E, 15-37.65N 084-41.20E, 16-08.85N 084-18.63E.

2. Wide berth around vessel requested.

3. Cancel this MSG 251830 UTC Oct 15.

646. India East Coast – Vishakhapatnam. Charts 3012 INT 71. Dolphin nose DGPS (17-40.59N 083-17.56E) off air.

647.	Cancel NAVAREA VIII 634/15 and this MSG.																																																														
648.	Lakshadweep Sea. Charts 23 INT 71. Sri Lankan fishing vessel Ranga Putha-04 reported engine failure with 07 crew in vicinity of 07-30N 073-48E. 2. Cancel this MSG 081000 UTC Oct 15.																																																														
649.	Cancel NAVAREA VIII 638/15. India West Coast – Gulf of Kachchh. Chart 203 INT 71. Salaya channel buoys Tilburn (22-37.21N 069-32.07E) unlit. Top mark of Tilburn buoy missing.																																																														
650.	Cancel NAVAREA VIII 630. India West Coast. Charts 21 22 293 INT 71. Rig list correct at 061000 UTC Oct 15 <table border="0" style="width: 100%;"> <tr><td>ABAN ICE</td><td>18-45.02N 071-55.42E</td></tr> <tr><td>ABAN III</td><td>19-22.07N 071-26.07E</td></tr> <tr><td>ABAN IV</td><td>19-34.43N 071-21.89E</td></tr> <tr><td>DISCOVERY-1</td><td>19-12.50N 072-02.24E</td></tr> <tr><td>DYNAMIC VISION</td><td>18-39.23N 070-58.86E</td></tr> <tr><td>DEEP SEA FORTUNE</td><td>19-40.14N 072-00.34E</td></tr> <tr><td>DEEP SEA FOSSIL</td><td>18-41.47N 072-20.88E</td></tr> <tr><td>GREAT DRILLER CHAAYA</td><td>18-32.68N 072-13.98E</td></tr> <tr><td>GREATDRILL CHETNA</td><td>21-37.38N 068-26.55E</td></tr> <tr><td>GREATDRILL CHITRA</td><td>19-21.10N 071-47.20E</td></tr> <tr><td>GREATDRILL CHAARU</td><td>18-40.04N 072-19.95E</td></tr> <tr><td>HARVEY H WARD</td><td>19-32.84N 071-22.80E</td></tr> <tr><td>JINDAL STAR</td><td>18-36.20N 072-13.99E</td></tr> <tr><td>JT ANGEL</td><td>20-03.49N 071-23.92E</td></tr> <tr><td>KEDARNATH</td><td>19-34.12N 071-46.90E</td></tr> <tr><td>MERCURY FOCUS</td><td>21-18.12N 072-31.64E</td></tr> <tr><td>PARAGON L-786</td><td>18-31.16N 072-14.46E</td></tr> <tr><td>PARAGON M 1161</td><td>19-17.55N 071-16.91E</td></tr> <tr><td>RON TAPMEYAR</td><td>19-16.42N 071-26.87E</td></tr> <tr><td>SAGAR GAURAV</td><td>19-07.88N 070-58.50E</td></tr> <tr><td>SAGAR SHAKTI</td><td>19-39.70N 071-04.71E</td></tr> <tr><td>SAGAR JYOTI</td><td>19-25.14N 071-15.83E</td></tr> <tr><td>SAGAR KIRAN</td><td>18-44.50N 072-19.63E</td></tr> <tr><td>SAGAR LAXMI</td><td>20-58.00N 071-33.00E</td></tr> <tr><td>SAGAR PRAGATI</td><td>20-58.00N 071-33.00E</td></tr> <tr><td>SAGAR UDAY</td><td>19-07.35N 072-06.45E NEW</td></tr> <tr><td>SUNDOWNER VII</td><td>18-38.79N 072-14.94E</td></tr> <tr><td>TRIDENT XII</td><td>18-45.23N 072-18.00E</td></tr> <tr><td>VICTORY DRILLER</td><td>19-06.08N 070-56.43E NEW</td></tr> <tr><td>VIRTUE-I</td><td>18-58.44N 071-37.44E</td></tr> <tr><td>VALIANT DRILLER</td><td>19-19.46N 071-14.10E</td></tr> </table> 2. Wide berth requested.	ABAN ICE	18-45.02N 071-55.42E	ABAN III	19-22.07N 071-26.07E	ABAN IV	19-34.43N 071-21.89E	DISCOVERY-1	19-12.50N 072-02.24E	DYNAMIC VISION	18-39.23N 070-58.86E	DEEP SEA FORTUNE	19-40.14N 072-00.34E	DEEP SEA FOSSIL	18-41.47N 072-20.88E	GREAT DRILLER CHAAYA	18-32.68N 072-13.98E	GREATDRILL CHETNA	21-37.38N 068-26.55E	GREATDRILL CHITRA	19-21.10N 071-47.20E	GREATDRILL CHAARU	18-40.04N 072-19.95E	HARVEY H WARD	19-32.84N 071-22.80E	JINDAL STAR	18-36.20N 072-13.99E	JT ANGEL	20-03.49N 071-23.92E	KEDARNATH	19-34.12N 071-46.90E	MERCURY FOCUS	21-18.12N 072-31.64E	PARAGON L-786	18-31.16N 072-14.46E	PARAGON M 1161	19-17.55N 071-16.91E	RON TAPMEYAR	19-16.42N 071-26.87E	SAGAR GAURAV	19-07.88N 070-58.50E	SAGAR SHAKTI	19-39.70N 071-04.71E	SAGAR JYOTI	19-25.14N 071-15.83E	SAGAR KIRAN	18-44.50N 072-19.63E	SAGAR LAXMI	20-58.00N 071-33.00E	SAGAR PRAGATI	20-58.00N 071-33.00E	SAGAR UDAY	19-07.35N 072-06.45E NEW	SUNDOWNER VII	18-38.79N 072-14.94E	TRIDENT XII	18-45.23N 072-18.00E	VICTORY DRILLER	19-06.08N 070-56.43E NEW	VIRTUE-I	18-58.44N 071-37.44E	VALIANT DRILLER	19-19.46N 071-14.10E
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VALIANT DRILLER	19-19.46N 071-14.10E																																																														
651.	India East Coast – Bay of Bengal. Charts 32 33 356 391 INT 706. CG aircraft firing scheduled daily from 08-14 and 22-31 Oct 15 from 0130-1130 UTC in area bounded by 13-30N 082-00E, 14-30N 082-00E, 14-30N 082-40E, 13-30N 082-40E. Safe flying ht 2 KM. 2. Cancel this MSG 311230 UTC Oct 15.																																																														
652.	India West Coast – Arabian Sea. Charts 22 293 INT 71. Firing by IN ships scheduled on 09 Oct 15 from 0730-1300 UTC in area bounded by 15-30N 071-57E, 15-08N 072-36E, 14-37N 072-16E, 14-58N 071-39E. 2. Safe flying ht 10 KM. 3. Cancel this MSG 091400 UTC Oct 15.																																																														
653.	Bay of Bengal. Charts 32 INT 71. Sri Lankan fishing vessel Nathasha-01 reported adrift due engine failure with 05 crew in vicinity of 10-12N 082-54E. 2. Cancel this MSG 091000 UTC Oct 15.																																																														
654.	Cancel NAVAREA VIII 628. India East Coast – Bay of Bengal. Charts 31 391. Rig list correct at 071000 UTC Oct 15 <table border="0" style="width: 100%;"> <tr><td>ABAN II</td><td>16-39.14N 082-22.72E</td></tr> <tr><td>DDKG-2</td><td>20-07.50N 087-27.00E NEW</td></tr> <tr><td>NOBLE DUCHESS</td><td>16-17.39N 082-10.29E</td></tr> <tr><td>MPW RIG 805</td><td>16-40.12N 082-25.68E NEW</td></tr> <tr><td>PLATINUM EXPLORER</td><td>15-07.00N 082-08.60E</td></tr> <tr><td>SAGAR RATNA</td><td>16-22.73N 082-01.39E</td></tr> <tr><td>SAGAR BHUSAN</td><td>16-04.63N 081-38.16E</td></tr> </table> 2. Wide berth requested.	ABAN II	16-39.14N 082-22.72E	DDKG-2	20-07.50N 087-27.00E NEW	NOBLE DUCHESS	16-17.39N 082-10.29E	MPW RIG 805	16-40.12N 082-25.68E NEW	PLATINUM EXPLORER	15-07.00N 082-08.60E	SAGAR RATNA	16-22.73N 082-01.39E	SAGAR BHUSAN	16-04.63N 081-38.16E																																																
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SAGAR BHUSAN	16-04.63N 081-38.16E																																																														
655.	India West Coast – off Mumbai. Charts 292 INT 71. Survey vessel MV Flamboyan progressing geophysical survey till 05 Nov 15 in areas <u>Mumbai High</u> 19-42.55N 071-10.57E, 19-42.28N 071-30.18E, 19-12.70N 071-29.72E, 19-12.95N 071-10.16E																																																														

<p>655. Continued. D-Series 18-36.78N 071-00.90E, 18-36.77N 071-02.32E, 18-35.42N 071-02.30E, 18-35.43N 071-00.88E Tapti 20-46.60N 071-46.52E, 20-45.95N 072-22.77E, 20-01.67 072-21.80E, 20-02.30N 071-45.73E Bassein 19-15.15N 071-30.52E, 19-14.53N 072-10.70E, 18-56.40N 072-10.35E, 18-57.00N 071-30.25E Heera – Neelam 18-48.53N 072-11.03E, 18-48.32N 072-23.67E, 18-27.80N 072-23.27E, 18-28.02N 072-10.67E</p> <ol style="list-style-type: none"> 2. Wide berth around the vessel requested. 3. Cancel this MSG 051830 UTC Nov 15.
<p>656. Cancel NAVAREA VIII 649/15. India West Coast – Gulf of Kachchh. Chart 203 INT 71. Salaya channel buoy Tilburn (22-37.21N 069-32.07E) retrieved.</p>
<p>657. India West Coast – Mumbai. Chart 211 INT 71. Naval ship with survey boats will progress hydrographic survey from 10-25 Oct 15 in area bounded within 18-57.50N to 19-01.00N and 072-57.10 TO 073-02.70E.</p> <ol style="list-style-type: none"> 2. Wide berth of 02 and 01 NM around ship and boat requested. 3. Cancel this MSG 251830 UTC Oct 15.
<p>658. India East Coast – Nagappattinam. Chart 3007 INT 71. Nagappattinam DGPS (10-45.95N 079-51.01E) will be switched off on 08 and 09 Oct 15 from 0330-1230 UTC.</p> <ol style="list-style-type: none"> 2. Cancel this MSG 091330 UTC Oct 15.
<p>659. Cancel NAVAREA VIII 656. India West Coast – Gulf of Kachchh. Chart 203 INT 71. Salaya channel buoys Tilburn (22-37.21N 069-32.07E) and Dhani (22-36.8N 069-27.6E) retrieved for maintenance.</p>
<p>660. India West Coast – off Mumbai. Chart 292 INT 71. MV Albatross progressing geophysical survey till 05 Nov 15 in areas</p> <ol style="list-style-type: none"> (a) 19-42.5N 071-10.6E, 19-42.3N 071-30.2E, 19-12.7N 071-29.7E, 19-12.9N 071-10.2E (b) 18-36.8N 071-00.9E, 18-36.8N 071-02.3E, 18-35.4N 071-02.3E, 18-35.4N 071-00.9E (c) 20-46.6N 071-46.5E, 20-45.9N 072-22.8E, 20-01.7N 072-21.8E, 20-02.3N 071-45.7E (d) 19-15.2N 071-30.5E, 19-14.5N 072-10.7E, 18-56.4N 072-10.3E, 18-57.0N 071-30.3E (e) 18-48.5N 072-11.0E, 18-48.3N 072-23.7E, 18-27.8N 072-23.3E, 18-28.0N 072-10.7E <ol style="list-style-type: none"> 2. Wide berth around vessel requested. 3. Cancel this MSG 051830 UTC Nov 15.
<p>661. India West Coast – off Trivandrum. Charts 22 32 222 INT 71. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled daily from 14-16 Oct 15 from 0530-0730 UTC.</p> <ol style="list-style-type: none"> 2. Danger zone <ol style="list-style-type: none"> (a) Sector of radius 05 NM from Thumba between azimuth 190 and 300. (b) Sector of radii 45 and 75 NM from Thumba between azimuth 220 and 260. 3. No over flight and shipping permitted in danger zone. 4. Cancel this MSG 160830 UTC Oct 15.
<p>662. India East Coast – Visakhapatnam. Charts 31 308 354 3002 INT 706. Firing by Naval Coast Battery scheduled from 0500-0700 UTC on 14 Oct 15.</p> <ol style="list-style-type: none"> 2. Danger sector extending up to 05 NM radius between bearing 070 and 130 from 17-42N 083-18E. 3. Safe flying ht 2 KM. 4. Cancel this MSG 140800 UTC Oct 15.
<p>663. India East Coast – off Balasore. Charts 31 351 352 INT 706. Experimental flight trial scheduled from ITR from 15-17 Oct daily from 0330-0730 UTC in zone bounded by 21-19.71N 086-53.28E, 20-24.68N 087-13.73E, 19-18.57N 085-39.55E, 18-55.65N 086-00.15E, 20-15.47N 087-31.88E, 20-20.83N 087-54.56E, 20-35.14N 088-12.69E, , 21-31.02N 087-06.70E.</p> <ol style="list-style-type: none"> 2. No over flight and shipping permitted in danger zone. 3. Cancel this MSG 170830 UTC Oct 15.
<p>664. Cancel NAVAREA VIII 438 637/15 and this MSG.</p>
<p>665. NAVAREA VIII Warnings in Force as on 09 Oct 15 2014 Series – 676 2015 Series – 124 287 288 298 334 386 408 438 439 445 470 484 486 498 507 514 522 547 556 565 567 573 582 616 629 632 633 635 640 641 644 645 646 650 651 654 655 657 659 660 661 662 663 664</p> <ol style="list-style-type: none"> (a) NAVAREA VIII warnings less than 42 days old promulgated via SafetyNet. (b) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available on www.hydrobharat.nic.in. (c) Cancel this MSG 161000 UTC Oct 15.
<p>666. India West Coast – Gulf of Khambhat. Charts 21 210 254 292 INT 71. Firing practice by CG aircraft scheduled on 13 Oct 15 from 0230 - 1130 UTC in area bounded by 20-18.5N 072-02.5E, 20-18.5N 072-15.0E, 20-09.5N 072-12.0E, 20-09.5N 072-00.0E.</p>

666. Continued.
2. Safe flying ht 1.6 KM.
3. Cancel this MSG 131230 UTC Oct 15.
667. Indian Ocean – off Great Basses. Chart 264 INT 71. SLFV YG Sons 02 reported adrift with 06 crew since 09 Oct in vicinity 05-50N 081-16E.
2. Cancel this MSG 131000 UTC Oct 15.
668. Cancel NAVAREA VIII 659. India West Coast – Gulf of Kachchh. Chart 203 INT 71. Salaya channel buoy Dhani (22-36.8N 069-27.6E) retrieved and Tilburn (22-37.2N 069-32.0E) relaid.
669. India West Coast – Gulf of Khambhat. Charts 21 210 254 292 INT 71. Firing practice by CG aircraft scheduled on 15 OCT 15 from 0230 - 1130 UTC in area bounded by 20-18.5N 072-02.5E, 20-18.5N 072-15.0E, 20-09.5N 072-12.0E, 20-09.5N 072-00.0E.
2. Safe flying ht 1.6 KM.
3. Cancel this MSG 151230 UTC Oct 15.
670. India West Coast – Gulf of Kachchh. Chart 203 INT 71. Salaya channel buoy Paga (22-35.5N 069-14.5E) retrieved.
671. Cancel NAVAREA VIII 663/15. India East Coast – off Balasore. Charts 31 351 352 INT 706. Experimental flight trial scheduled from ITR from 16 and 17 Oct from 0330-0730 UTC in zone bounded by 21-19.71N 086-53.28E, 20-24.68N 087-13.73E, 19-18.57N 085-39.55E, 18-55.65N 086-00.15E, 20-15.47N 087-31.88E, 20-20.83N 087-54.56E, 20-35.14N 088-12.69E, 21-31.02N 087-06.70E.
2. No over flight and shipping permitted in danger zone.
3. Cancel this MSG 170830 UTC Oct 15.
672. India East Coast – Paradip. Chart 352. Paradip RACON (20-15.34N 086-39.34E) not working.
673. India West Coast – Dabhol Port. Chart 2065. Single point mooring in position 17-31.55N 073-04.49E reported missing.
2. Caution advised.
674. India West Coast – Off Netrani Island. Charts 22 216 257 293 2072 INT 71. Firing by naval ships scheduled on 16 Oct 15 from 0030-0630 UTC in area bounded by 13-56.20N 074-13.60E, 14-07.20N 074-25.07E, 14-07.20N 074-13.60E, 13-55.20N 074-25.07E.
2. Safe flying ht 35KM.
3. Cancel this MSG 160730 UTC Oct 15.
675. Cancel NAVAREA VIII 470/15 and this MSG.INTM 153(18/15) refers.
676. India West Coast – Mumbai ODA. Charts 292 INT 71. Barge RESGINA 250 progressing pipe laying till 15 dec 15 in area bounded by 19-47N 071-09E, 19-47.9N 071-36E, 19-00N 071-09E, 19-00N 071-36E.
2. Wide berth around barge requested.
3. Cancel this MSG 151830 UTC Dec 15.
677. Cancel NAVAREA VIII 654. India East Coast – Bay of Bengal. Charts 31 391. Rig list correct at 151000 UTC Oct 15.
ABAN II 16-39.14N 082-22.72E
DDKG-2 20-07.50N 087-27.00E
MPW RIG 805 16-40.12N 082-25.68E
PLATINUM EXPLORER 15-07.00N 082-08.60E
SAGAR RATNA 16-22.73N 082-01.39E
SAGAR BHUSAN 16-04.63N 081-38.16E
2. WIDE BERTH REQUESTED.
678. Cancel NAVAREA VIII 670/15 and this MSG (.) Salaya channel buoy PAGA (23-35.4N 069-14.6E) relaid.

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
D7058	WEST COAST. HELODRANO AMPASINDAVA (BAIE DE PASINDAVA). TANY KELY ISLAND - Nosy Tani Kely	13 28.84S 48 14.86E	Fl(3)W15s	57	11	White tower, black top and lantern 10	Aeromarine <i>fl 1.5, ec 1.5</i> x 2, <i>fl 1.5, ec 7.5.</i> TE 2015 *
D7062	WEST COAST. NOSY VORONA - Nosy Vorona. Summit	13 25.46S 48 22.00E	Fl(2)WR 6s	15	W 8 R 5	White 8- sided tower, red lantern 9	<i>fl 1, ec 1, fl 1, ec 3.</i> W072°- 080°(8°), R080°- 232°(152°), W232°- 280°(48°), R280°- 072°(152°). TE 2015 *
D7068	WEST COAST. NOSY FALY - Nosy Faly Island. Summit	13 19.31S 48 28.50E	F WR	75	W 8 R 6	White 8- sided tower, black lantern 9	W026°-236°(210°), R236°- 026°(150°). TE 2015 *
D7363.734	- - New Musaffah Channel.ES03	24 19.30N 54 27.03E	Fl Y 5s	..	..	Beacon	* *
D7363.735	- - New Musaffah Channel.ES04	24 19.11N 54 27.08E	Fl Y 5s	..	..	Beacon	* *
D7363.736	- - New Musaffah Channel.ES05	24 19.11N 54 27.07E	Fl Y 5s	..	..	Beacon	* *
D7661	DOHAT DEYLAM - Bandar-e Deylam. N Breakwater	30 03.58N 50 08.32E	Fl(2)R 6s	5	7	Pile	* *
D7661.1	- - S Breakwater	30 03.49N 50 08.31E	Fl(2)G 6s	5	7	Pile	* *
D7663.7	- - N End	29 20.30N 50 21.30E	Q(3)W 15s	20	10	White and black stripes	* *
D7664.4	- Jazireh-ye Khark. S End	29 12.86N 50 19.33E	Fl(2)W 12s	90	17	Aluminium framework tower 14	<i>fl 0.2, ec 2.8, fl 0.2, ec 8.8.</i> Obscured 151°-160° (9°) within 7M TE 2015 *
D7667.3	- - - - S side	29 14.11N 50 19.81E	Fl R 2s	3	7	Pile	* *
D7667.35	- - - - S side	29 14.07N 50 19.78E	Fl R 2s	3	7	Pile	* *
D7671	- Khowr-e-Deyreh. Ldg Lts 043°. Front. A	29 01.76N 50 48.69E	LFl W 3s	4	6	White Pile beacon	Ra refl *
D7671.1	- - - Rear. 0.7M from front. B	29 02.24N 50 49.19E	LFl W 4s	.8	6	White Pile beacon	Ra refl *
D7674.5	Lavar-e Saheli	28 15.27N 51 16.03E	Fl(2) W 6s	30	10		* *
D7676	Jabrin	27 51.43 N 51 26.59 E	Fl(2)W 8s	..	10		* *

7.2

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D7692.18	-- W Breakwater	26 34.34N 54 00.26 E	Fl G 5s				
*	*	*	*	*	*	*	*
D7692.2	--- E Head	26 34.09N 53 59.94 E	Fl G 5s	5	3		
*	*	*	*	*	*	*	*
D7694	Bandar-e Charak	26 43.15N 54 16.60 E	Fl(2) R 5s	5	7	Red on red pile	
*	*	*	*	*	*	*	*
D7694.1	Bandar-e Charak	26 43.23N 54 17.00 E	Fl(2) G 5s	5	7	Green on green pile	
*	*	*	*	*	*	*	*
RESHADAT OILFIELD							
D9209	-	25 56.30N 52 54.10 E	Mo(U) W 15s	..	..	Platform	
*	*	*	Horn 30s	*	*	*	*
RESHADAT OILFIELD							
D9210	-	25 53.80N 52 54.80 E	Mo(U) W 15s	..	..	Platform	
*	*	*	Horn 30s	*	*	*	*
F0367.14	-- Sathsaida. Ldg Lts 052°30'.	22 57.45 N 70 15.98 E	Fl W 2s	11	10		
*	*	*	*	*	*	*	*
F0367.17	-- Sathsaida. Ldg Lts 052°30'.	22 57.70 N 70 16.33 E	Fl W 3s	12	10		
*	*	*	*	*	*	*	*
F0367.2	-- Sathsaida. Ldg Lts 044°30'. No. 1. Front	22 58.03 N 70 15.96 E	Fl W 1.5s	8	10		
*	*	*	*	*	*	*	*
F0367.3	---- Rear. 889m from front	22 58.32 N 70 16.27 E	Fl W 1.1s	10	12		
*	*	*	*	*	*	*	*
F0367.61	--- Common rear. 788m from front	22 58.67 N 70 15.97 E	Iso R 1.5s	13	7	△ on white metal framework tower, black bands 11	Front 0367.6
*	*	*	*	*	*	*	*
F0367.62	--- Ldg Lts 037°. Front	20 58.33 N 70 15.70 E	Iso W	8	8	..	Common rear F0367.61
*	*	*	*	*	*	*	*
F1222.65	Nancowry Island. Cape Cannought	07 55.76 N 93 34.58 E	Fl(2)W 15s	22	10	Square masonry tower, black bands 12	fl 0.5, ec 1, fl 0.5, ec 13 TE 2015

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2014

(Last correction: Edition No. 16 dated 16 Aug 2015)

NIL

INP 31(2), 2014

(Last correction: Edition No. 16 dated 16 Aug 2015)

NIL

INP 31(5), 2011

(Last correction: Edition No. 16 dated 16 Aug 2015)

NIL

INP 31(6), 2012

(Last correction: Edition No. 11 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.

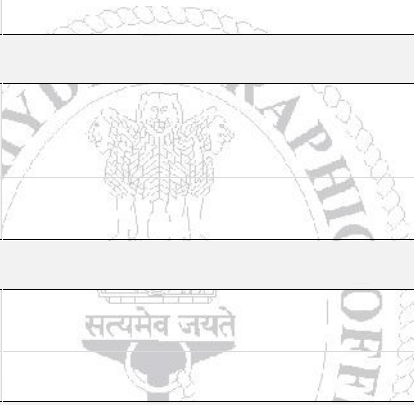
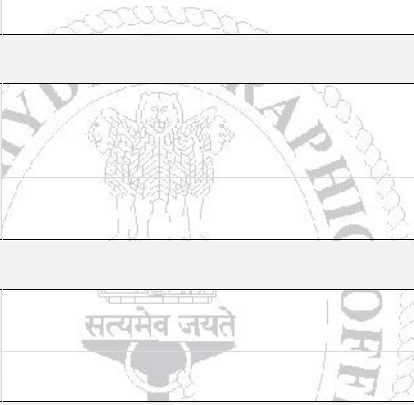
Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes received. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/foreign Notices to Mariners. Further communication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

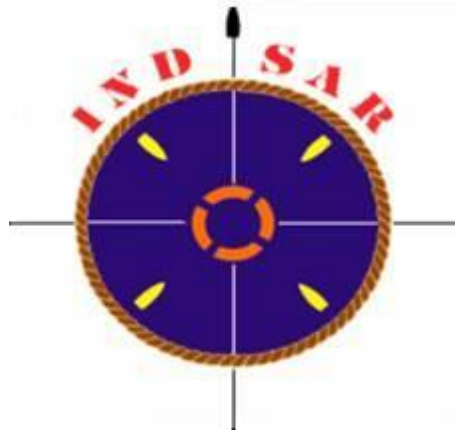


HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date		Ref. Number			
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date		Time (UTC/IST)			
Object of Changes 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