



# INDIAN NOTICES TO MARINERS



EDITION NO. 24 DATED 16 DEC 2015

(CONTAINS NOTICES 196 TO 201)

REACH US 24 x 7



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

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



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## II

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

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2041	15-11-2015	<b>DEVGARH HARBOUR</b> <b>Limits</b> 16° 20'.00N; 73° 15'.00E. 16° 26'.00N; 73° 24'.18E.	25,000	3	Rs. 1870.00
		<b>MALVAN ANCHORAGE</b> <b>Limits</b> 16° 00'.45N; 73° 24'.00E. 16° 05'.00N; 73° 29'.50E.	15,000		
2523	15-11-2015	<b>MKOKONI</b> 02° 02'.70S; 41° 15'.00E. 01° 54'.00S; 41° 28'.20E.	25,000	1	Rs. 1870.00

2. 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>
2041	15-10-2005	<b>DEVGARH HARBOUR</b>	2041	15-11-2015
		<b>MALVAN ANCHORAGE</b>		

3. 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>
IN132KVP	32	<b>KOCHI (COCHIN) TO VISAKHAPATNAM</b>	14-12-2015

4. 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>
IN132KVP	32	<b>KOCHI (COCHIN) TO VISAKHAPATNAM</b>	30-11-2015

5. The forthcoming Indian Chart are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2007	<b>ANDROTH ISLAND</b>	30,000	New Chart
	<b>ANDROTH JETTY</b>	5,000	New Chart
2121	<b>VERAVAL HARBOUR</b>	10,000	New Chart
	<b>VERAVAL ANCHORAGE</b>	25,000	New Chart
3002 (INT 7410)	<b>APPROACHES TO VISHAKHAPATNAM</b>	60,000	New Chart

## VI

### 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 Web site: <a href="http://www.ukho.gov.uk">www.ukho.gov.uk</a>	M/s Jeppesen Norway AS Hovalandsveien 52 PO Box 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: <a href="mailto:enc@jeppesen.com">enc@jeppesen.com</a> , <a href="mailto:info@c-map.co.no">info@c-map.co.no</a> Website: <a href="http://www.jeppesen.com">www.jeppesen.com</a>
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: - <a href="http://www.primar.org">www.primar.org</a>	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: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a>





**SECTION – I**

The list of charts affected by the Notices 196 to 201 contained in this edition is as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	201(T)
22 (INT 752)	3	201(T)
23	1	201(T)
31	5	199
32 (INT 754)	5	199
202	2	200(T)
203 (INT 7319)	2	200(T)
214	3	201(T)
257 (INT 7343)	3	201(T)
268 (INT 7353)	4	201(T)
273	4	201(T)
292 (INT 7021)	2	201(T)
293 (INT 7022)	3	201(T)
356 (INT 7400)	5	199
360	7	197
361	7	197
391	5	199
2020	3	201(T)
2022 (INT 7345)	3	201(T)
2031 (INT 7326)	2	200(T)
2047	4	201(T)
2068	2	200(T)
2078 (INT 7346)	3	198
2100 (INT 7344)	2	196
7705 (INT 705)	1	201(T)

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

**\*196 (24/15) INDIA – WEST COAST – Gulf of Khambhat – Approaches to Pipavav – Buoy.**

Source: NHO, Dehradun

**Chart 2100 (INT 7344)** [previous update 197/14]

Insert



20° 53′.58N., 71° 29′.78E.

**\*197 (24/15) INDIA – BAY OF BENGAL – Pussur River to Elephant Point – Wreck.**

Source: Bangladesh Navy.

**Chart 360** [previous update 155/15]

Insert



21° 43′.85N., 91° 28′.17E.

**Chart 361** [previous update 149/15]

Insert



21° 43′.86N., 91° 28′.19E.

**\*198 (24/15) INDIA – WEST COAST – Port of Mormugao – Port limit.**

Source: NHO, Dehradun

**Chart 2078 (INT 7346)** [previous update 168/15]

Insert

Port limit, pecked line, joining

15° 27′.580N., 73° 47′.495E. (Shore)

15° 27′.580N., 73° 43′.750E. (W Border)

legend, “Limit of Port of Panaji,” centered on:

15° 27′.610N., 73° 45′.500E.

**\*199 (24/15) INDIA – EAST COAST – Chennai to Ramayapatnam – Light.**

Source: DLL Vishakhapatnam.

**Chart 31** [previous update 180/15]

Amend light to, Fl(2)18M

14° 44′.00N., 80° 06′.00E.

**Chart 32 (INT 754)** [previous update 063/15]

Amend light to, Fl(2)18M

14° 44′.00N., 80° 06′.00E.

**Chart 391** [previous update 189/15]

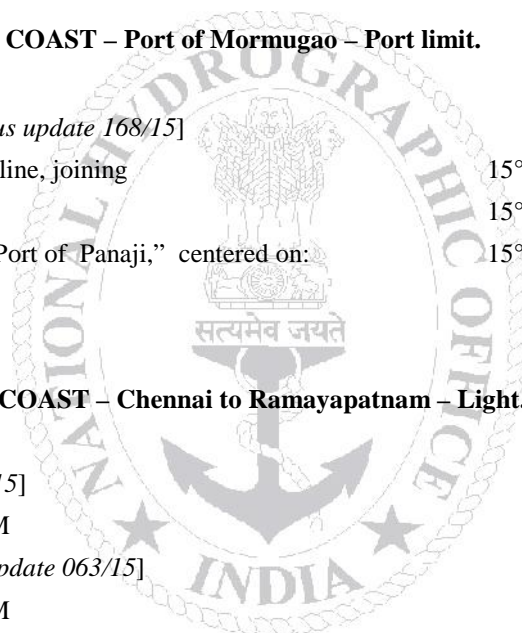
Amend light to, Fl(2)10s34m18M

14° 44′.00N., 80° 06′.00E.

**Chart 356 (INT 7400)** [previous update 038/15]

Amend light to, Fl(2)10s34m18M

14° 44′.00N., 80° 06′.00E.





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

**\*200 (T)/(24/15) INDIA – WEST COAST – Gulf of Kachchh Deep Water Route– Buoy**

.Source: Okha Port.

1. A wave rider buoy is placed at position 22° 38' 30N., 68° 50' 80E. to alert all fishing vessel in terms of bad weather for their safety.
2. Mariners are advised to navigate with caution.

**Charts affected – 202 – 203 (INT 7319) – 2031 (INT 7326) – 2068.**

**\*201 (T) (24/15) INDIA – WEST COAST – Arabian Sea – Data Buoys. Tsunami Buoy.**

Source: NIOT - Chennai.

1. Following yellow coloured data buoys characteristics FL(4)15s4M, 3m diameter and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:

<b>Buoy No.</b>	<b>Position</b>	<b>Charts affected</b>
AD02, 07/ MB	15° 00' 00N., 69° 00' 00E.	7705 (INT 705)
AD04/ MB	08° 00' 00N., 73° 00' 00E.	22 (INT 752), 23, 273
*AD06, 09/ OB	19° 30' 00N., 67° 30' 00E.	21, 292 (INT 7021)
AD09/ OB	12° 00' 00N., 69° 00' 00E.	7705 (INT 705)
AD10/ OB	10° 29' 00N., 72° 16' 00E.	22 (INT 752), 268 (INT 7353), 273
CB02/ CB	10° 52' 00N., 72° 12' 00E.	22 (INT 752), 268 (INT 7353), 273, 2047
CB04/ CB	15° 23' 00N., 73° 45' 00E.	22 (INT 752), 293 (INT 7022), 257 (INT 7343), 214, 2022 (INT 7345), 2020
CALVAL/ MB	10° 36' 00N., 72° 17' 00E.	22 (INT 752), 268 (INT 7353), 273
TB12/ TB	20° 38' 00N., 67° 05' 00E	21, 292 (INT 7021)
STB02/ TB	20° 48' 00N., 65° 25' 00E	21

2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.
3. All positions are in WGS 84 datum.
4. \* Indicates new entry.

***Former INM 142(T)/15 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](http://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](http://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 (16<sup>th</sup> 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><b>JEPPESEN MARINE</b>  <b>Jeppesen Norway AS</b>  P.O. 212,  N-4379, Egersund, Norway  Ph: 0047 51 464700  Fax: 0047 51 464701  Email: <a href="mailto:info@c-map.no">info@c-map.no</a>  Site: <a href="http://www.c-map.no">www.c-map.no</a></p>	<p><b>C-Map US Commercial</b>  133 Falmouth Road,  Building 2, Postal Code: 02649,  Mashpee, MA, America  Ph: +1 (508) 477 8010  Fax: +1 (508) 539 4381  Email: <a href="mailto:info@c-map.com">info@c-map.com</a></p>	<p><b>C-Map (UK) Ltd.</b>  Systems House  Delta Business Park  Salterns Lane, Fareham,  PO16 0QS, United Kingdom,  Ph: +44 (0) 1329 517777  Fax: +44 (0) 1329 517778  Email: <a href="mailto:info@c-map.co.uk">info@c-map.co.uk</a></p>
<p><b>Mari-Sys Pte Ltd.</b>  20 Ayer Rajah Crescent,  08-21, SE 139964,  Republic of Singapore  Ph: +65 6776 1898  Email: <a href="mailto:info@mari-sys.com">info@mari-sys.com</a></p>	<p><b>Bogerd Martin NV,</b>  Oude Leeuwenrui 37  2000 Antwerp, Belgium  Ph: +32 (3) 2134170  Fax: +32 (3) 2326167  Email: <a href="mailto:sales@martin.be">sales@martin.be</a>  Site: <a href="http://www.martin.be">www.martin.be</a></p>	<p><b>Bogerd Martin Tianjin(China Branch)</b>  2-B101 FTZ Hi-Tech  Development Centre 131  Haibin 9 Road 300461  Tianjin China  Ph: +86 22 257 62 721  Fax: +86 22 257 62 722  Email: <a href="mailto:charts-tj@martin.cn">charts-tj@martin.cn</a></p>
<p><b>C-Map Holland</b>  Paleiskade100  PO Box 7  1781 AR Den Helder,  Holland  Ph: +31 223 616 700  E Mail: CorMallie <a href="mailto:cor@chartworx.nl">cor@chartworx.nl</a></p>		

**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: <a href="http://www.globalcharts.com.sg">www.globalcharts.com.sg</a>	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 <sup>st</sup> 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 – Ucchayya, 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: <a href="http://www.jeppesen.com">www.jeppesen.com</a>
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: <a href="http://www.gmiindia.in">www.gmiindia.in</a>
Lift O Marine Allen's Mansion, C6 Nungi Station Road, Kolkata – 700140 Mob: +91 9836972027 / 8902228463 Email: <a href="mailto:sankar@liftomarine.org">sankar@liftomarine.org</a> / <a href="mailto:liftomarine77@gmail.com">liftomarine77@gmail.com</a> Web: <a href="http://www.liftomarine.org">www.liftomarine.org</a>	M/s L. R. Marine Services 301, 3rd Floor, Biryra 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: <a href="http://www.elemscharts.in">www.elemscharts.in</a>	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: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a>
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, <a href="mailto:zubin@aatash.com">zubin@aatash.com</a>	

**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 Dec 15:

<b>2015 SERIES</b> – 124	287	288	298	334	386	408	439	445	486	498	514	556	565	567	573	582	616	633			
635	644	646	672	676	686	706	707	708	712	720	728	729	735	737	753	767	768	770	777	787	793
804	811	812	824	828	829	838	847	848	849	850	851	854	857	860	861	862	863	864	865	866	

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

**822. Cancel NAVAREA VIII 694 705/15 and this MSG.** North Cardinal (22-34.112N 069-18.326E) and Kachchh (22-38.00N 069-13.80E) buoys relaid.

**823. Cancel NAVAREA VIII 821. India West Coast.** Charts 21 22 293 INT 71. Rig list correct at 011000 UTC Dec 15

ABAN ICE	18-55.01N 070-18.95E
ABAN III	19-22.07N 071-26.07E
ABAN IV	19-29.79N 071-19.83E
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	19-14.25N 072-06.46E
FG MCCLINTOCK	18-58.31N 071-29.99E
GREAT DRILL CHAAYA	18-40.10N 072-13.59E
GREAT DRILL CHETNA	21-37.38N 068-26.55E
GREAT DRILL CHITRA	19-21.35N 071-50.13E
GREAT DRILL CHAARU	18-59.30N 072-16.58E
HARVEY H WARD	19-32.84N 071-22.80E
JINDAL STAR	18-36.20N 072-13.99E
JT ANGEL	22-36.89N 068-26.06E NEW
KEDARNATH	20-17.68N 071-55.90E
MERCURY FOCUS	21-18.12N 072-31.64E
NOBLE ED HOLT	19-01.90N 071-32.57E
PARAGON L-786	19-29.88N 071-24.70E
PARAGON M 1161	19-17.55N 071-16.91E
RON TAPMEYAR	18-47.47N 071-59.99E
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
SUNDOWNER VII	18-38.79N 072-14.94E
TRIDENT XII	19-25.23N 071-16.99E
VICTORY DRILLER	19-25.36N 071-19.56E
VIRTUE-I	18-58.44N 071-37.44E
VALIANT DRILLER	19-19.46N 071-14.10E

2. Wide berth requested.

**824. Indian Ocean – S W Part.** Chart INT 71. Rocket Vega VV06 launch daily from 03 TO 27 Dec 15 from 0404 to 0620 UTC Dec 15 in area bounded by 00-55S 056-26E, 02-58S 076-23E, 03-20S 076-21E, 01-17S 056-23E.

2. Cancel this MSG 270730 UTC Dec 15.

**825. Indian Ocean – Off Reunion Island.** Chart INT 70. Gunnery exercises scheduled on 04 DEC 15 from 1000-1400 UTC in area bounded by 21-12S 054-57E, 21-39.02S 054-33.30E, 21-19.30S 054-25.54E, 21-26S 055-02.30E.

2. Cancel this MSG 041500 UTC Dec 15.

**826. India East Coast – Bay of Bengal.** Charts 31 32 INT 706. Firing by Naval Ships scheduled from 060830 – 061230 and 070100 - 070500 UTC Dec 15 in area bounded by 15-30N 083-24E, 16-14N 084-00E, 15-34N 084-46E, 15-08N 084-24E. Safe flying Ht 8 Km

2. Cancel this MSG 070600 UTC Dec 15.

**827. Indian Ocean – Mauritius.** Chart INT 71. White fishing boat Coruscan reported overdue Off Round island with crew.



2.	Cancel this MSG 061000 UTC Dec 15.
<b>828.</b>	<b>India East Coast – Off Myanmar.</b> Charts 451 INT 71. Survey Vessels Naing Aung Kyaw(1 and 2 ) progressing pipeline survey till 25 Dec 15 along route 15-26.61N 095-31.60E, 15-31.47N 095-35.97E, 15-31.53N 095-36.03E, 15-38.33N 095-42.98E, 15-39.53N 095-43.37E, 15-46.72N 09542.05E, 15-47.23N 095-41.84E,15-51.45N 095-38.95E, 15-51.55N 095-38.87E, 15-53.91N 095-36.90E(.) 2. Anchoring, fishing and trawling prohibited within 4 Km from survey route 3. Cancel this MSG 251830 UTC Dec 15.
<b>829.</b>	<b>Indian Ocean – Off Somalia.</b> Chart INT 72. RV BGP Pioneer will progress seismic survey from 04 Dec 15 in area bounded by 01-39.46S 041-46.85E, 01-45.64S 042-48.33E, 01-48.29S 045-43.78E, 00-45.74S 047-11.12E, 02-20.79N 049-01.94E, 03-25.83N, 050-02.03E, 06-37.46N, 050-13.73E, 07-01.46N 049-26.89E. 2. Wide berth 08 NM astern and 03 NM ahead / abeam requested.
<b>830.</b>	<b>Cancel NAVAREA VIII 676/14 798/15 799 806 808 and this MSG.</b> INTM 189 (23/15) 193 (T) (23/15) 194(T) (23/15) 188 (23/15) 192(T) (23/15) refers.
<b>831.</b>	<b>Cancel NAVAREA VIII 819 and THIS MSG.</b>
<b>832.</b>	<b>Indian Ocean – Off Reunion Island.</b> Charts INT 70. Gunnery exercise scheduled from 050300-050800 and 060130-060630 UTC Dec 15 in area bounded by 21-12S 054-57E, 21-39.02S 054-33.30E, 21-19.30S 054-25.54E, 21-26S 055-02.30E. 2. Cancel this MSG 060730 UTC Dec 15.
<b>833.</b>	<b>Cancel NAVAREA VIII 800. India East Coast – Bay of Bengal.</b> Charts 31 391. Rig list correct at 041002 UTC Dec 15 MPW RIG 805 16-40.12N 082-25.68E PLATINUM EXPLORER 17-01.00N 082-28.00E NEW SAGAR RATNA 16-22.73N 082-01.39E SAGAR BHUSAN 16-04.63N 081-38.16E 2. Wide berth requested.
<b>834.</b>	<b>SW Bay of Bengal.</b> Chart INT 71. SLFV Hasith Putha – 2 reported adrift with crew 03 Dec 15 in vicinity 10-00N 083-38E. 2. Cancel this MSG 071000 UTC Dec 15.
<b>835.</b>	<b>NAVAREA VIII WARNINGS IN FORCE AS ON 04 DEC 15</b> <b>2015 Series</b> – 124 287 288 298 334 386 408 439 445 484 486 498 514 556 565 567 573 582 616 633 635 644 646 672 676 686 706 707 708 712 720 728 729 735 737 743 753 765 767 768 770 777 785 787 790 793 804 811 812 818 820 823 824 826 827 828 829 832 833 834 (a) NAVAREA VIII warnings less than 42 days promulgated via Safetynet (b) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available on <a href="http://www.hydrobharat.nic.in">www.hydrobharat.nic.in</a> (c) Cancel this MSG 111000 UTC Dec 15.
<b>836.</b>	<b>India East Coast – Off Vishakhapatnam.</b> Charts 31 308 354 INT 71. Launch of experimental flight vehicle scheduled on 09 and 10 Dec 15 from 0630-1130 UTC in danger zone bounded by 17-11.74N 083-29.07E, 19-57.95N 089-14.57E, 21-12.90N 088-26.23E, 17-27.81N 083-18.19E. 2. No over flight and shipping permitted in danger zone 3. Cancel this MSG 101230 UTC Dec 15.
<b>837.</b>	<b>India East Coast – SE Off Kakinada.</b> Charts 31 32 INT 706. Firing by Naval Ships scheduled on 110330-111130 and 120030-120430 UTC Dec 15 in area bounded by 15-30N 083-24E, 16-14N 084-00E, 15-34N 084-46E, 15-08N 084-24E. 2. Safe flying Ht 8KM 3. Cancel this MSG 120530 UTC Dec 15.
<b>838.</b>	<b>India West Coast – Off Kochi.</b> Charts 22 259 INT 71. Missile firing scheduled daily from 11 TO 15 Dec 15 between 0600-0930 UTC Dec 15 in area bounded by 09-02N 074-47E, 09-02N 075-48E, 10-34N 075-48E, 10-34N 074-52E, 09-43N 074-16E. 2. Safe flying Ht 6.1 Km 3. Cancel this MSG 151030 UTC Dec 15.
<b>839.</b>	<b>Cancel NAVAREA VIII 823. India West Coast.</b> Charts 21 22 293 INT 71. Rig list correct at 071000 UTC Dec 15 ABAN ICE 18-55.01N 070-18.95E ABAN III 19-22.07N 071-26.07E ABAN IV 19-29.79N 071-19.83E 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 19-14.25N 072-06.46E FG MCCLINTOCK 18-58.31N 071-29.99E
<b>839.</b>	<b>Continued.</b>

	GREAT DRILL CHAAYA	18-40.10N 072-13.59E
	GREAT DRILL CHETNA	21-37.38N 068-26.55E
	GREAT DRILL CHITRA	19-21.35N 071-50.13E
	GREAT DRILL CHAARU	18-59.30N 072-16.58E
	HARVEY H WARD	19-32.84N 071-22.80E
	JINDAL STAR	18-36.20N 072-13.99E
	JT ANGEL	22-36.89N 068-26.06E
	KEDARNATH	20-17.68N 071-55.90E
	MERCURY FOCUS	21-18.12N 072-31.64E
	NOBLE ED HOLT	19-01.90N 071-32.57E
	PARAGON L-786	19-29.88N 071-24.70E
	PARAGON M 1161	19-17.55N 071-16.91E
	RON TAPMEYAR	18-47.47N 071-59.99E
	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
	SUNDOWNER VII	18-38.79N 072-14.94E
	TRIDENT XII	19-25.23N 071-16.99E
	VICTORY DRILLER	18-31.95N 072-15.23E NEW
	VIRTUE-I	18-58.44N 071-37.44E
	VALIANT DRILLER	19-19.46N 071-14.10E
2.	Wide berth requested.	
<b>840.</b>	<b>Cancel NAVAREA VIII 743/15 and this MSG.</b> Gopnath DGPS (21-12N 072-07E) on Air.	
<b>841.</b>	<b>Indian Ocean – Off Reunion Island.</b> Chart INT 70. West cardinal buoys adrift 21-44.23S 056-49.93E.	
2.	Cancel this MSG 111000 UTC Dec 15.	
<b>842.</b>	<b>Bay of Bengal.</b> Chart INT 71. SLFV Ranga adrift 10-52N 083-07E.	
2.	Cancel this MSG 111000 UTC Dec 15.	
<b>843.</b>	<b>Indian Ocean – Bay of Bengal-Andaman Sea.</b> Charts 32 33 41 INT 71 INT 706. PSLV launch scheduled daily from 16 – 18 Dec 15 between 1200-1600 UTC from position 13-43.9N 080-14.2E	
2.	Danger zone as follows	
	<b><u>ZONE 1</u></b>	
	Circle of 10 NM around launcher	
	<b><u>ZONE-2</u></b>	
	(I) 13-00N 082-05E	(II) 13-35N 082-10E
	(III) 13-25N 082-50E	(IV) 12-50N 082-45E
	<b><u>ZONE-3</u></b>	
	(I) 12-20N 084-45E	(II) 12-55N 084-55E
	(III) 12-40N 085-50E	(IV) 12-05N 085-40E
	<b><u>ZONE-4</u></b>	
	(I) 09-30N 094-50E	(II) 10-25N 095-00E
	(III) 10-10N 095-55E	(IV) 09-15N 095-45E
	<b><u>ZONE-5</u></b>	
	(I) 21-00S 134-00W	(II) 19-00S 134-00W
	(III) 08-00S 094-00W	(IV) 10-00S 094-00W
3.	Cancel this MSG 181700 UTC Dec 15.	
<b>844.</b>	<b>Indian Ocean – Off Reunion Island.</b> Charts INT 70. Naval gunnery exercise scheduled on 09 Dec 15 from 0330-0530 UTC in area bounded by 21-12.00S 054-57.00E, 21-39.02S 054-33.30E, 21-19.30S 054-25.54E, 21-26S 055-02.30E.	
2.	Cancel this MSG 090630 UTC Dec 15.	
<b>845.</b>	<b>Cancel NAVAREA VIII 836 and this MSG.</b>	
<b>846.</b>	<b>Indian Ocean – Off Port Louis.</b> Chart INT 71. firing by CG Ship scheduled on 11 Dec 15 at 0400-1200 UTC in area bounded by 19-28S 057-26E, 19-34S 057-26E, 19-34S 057-33E, 19-28S 057-33E.	
2.	Cancel this MSG 111300 UTC Dec 15.	
<b>847.</b>	<b>Arabian Sea – Salaya Port.</b> Charts 203 292 2068 INT 71. Naval ship with survey boats will progress Hydrographic Survey from 10 – 25 DEC 15 in area bounded within 22-23.00N TO 22-30.83N AND 069-31.30E TO 069-37.00E	
2.	Wide berth from ship and boat requested	
2.	Cancel this MSG 251830 UTC Dec 15.	

<b>848.</b>	<b>Cancel NAVAREA VIII 833. India East Coast – Bay of Bengal.</b> Charts 31 391. Rig list correct at 041002 UTC Dec 15
	MPW RIG 805 16-40.12N 082-25.68E SAGAR RATNA 16-22.73N 082-01.39E SAGAR BHUSAN 16-04.63N 081-38.16E
2.	Wide berth requested.
<b>849.</b>	<b>India West Coast – New Mangalore.</b> Chart 21 INT 71. RV Samudra Shaudhikama will progress Geophysical Survey till 01 JAN 16 in area bounded by 12-54.00N 074-40.20E, 13-45.53N 074-49.85E, 12-43.20N 074-43.50E, 12-55.91N 074-46.80E
2.	Wide berth requested
3.	Cancel this MSG 011830 UTC Jan 16.
<b>850.</b>	<b>Cancel NAVAREA VIII 839. India West Coast.</b> Charts 21 22 293 INT 71. Rig list correct at 091000 UTC Dec 15
	ABAN ICE 18-55.01N 070-18.95E ABAN III 19-22.07N 071-26.07E ABAN IV 19-29.79N 071-19.83E 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 19-14.25N 072-06.46E FG MCCLINTOCK 18-58.31N 071-29.99E GREAT DRILL CHAAYA 18-40.10N 072-13.59E GREAT DRILL CHETNA 21-37.38N 068-26.55E GREAT DRILL CHITRA 19-21.35N 071-50.13E GREAT DRILL CHAARU 18-59.30N 072-16.58E HARVEY H WARD 19-32.84N 071-22.80E JINDAL STAR 18-36.20N 072-13.99E JT ANGEL 22-36.89N 068-26.06E KEDARNATH 20-17.68N 071-55.90E MERCURY FOCUS 21-18.12N 072-31.64E NOBLE ED HOLT 19-01.90N 071-32.57E PARAGON L-786 19-29.88N 071-24.70E PARAGON M 1161 19-17.55N 071-16.91E RON TAPMEYAR 18-47.47N 071-59.99E 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 SUNDOWNER VII 18-38.79N 072-14.94E TRIDENT XII 19-25.23N 071-16.99E VICTORY DRILLER 18-31.95N 072-15.23E VIRTUE-I 18-58.44N 071-37.44E VALIANT DRILLER 19-38.88N 071-21.03E NEW
2.	Wide berth requested.
<b>851.</b>	<b>Cancel NAVAREA VIII 765 818. India West Coast – Off Mumbai.</b> CHART 21 255 INT 71. MV Kamrup and Flamboyon progressing survey till 31 Dec 15 in area bounded by 19-42.6N 070-56.5E, 19-39.6N 071-34.6E, 19-02.3N 071-33.8E, 19-05.7N 070-56.1E and 01 Km on either side of lines joining 18-47.6N 072-40.9E, 18-57.4N 072-31.8E, 19-18.1N 071-59.0E, 19-24.5N 071-33.7E AND 18-45.9N 072-43.9E, 18-35.4N 072-12.7E, 19-15.9N 071-17.2E.
2.	Wide berth around vessels requested
3.	Cancel this MSG 311830 UTC Dec 15.
<b>852.</b>	<b>Pakistan to Somali Basin.</b> Chart INT 71. Missile firing will be carried out on 10 and 11 Dec 15 from 0400 - 0700 UTC in area bounded by 25-43.83N 066-19.45E, 25-16.83N 067-11.36E, 02-00.31N 054-18.63E, 02-27.26N 053-30.92E.
2.	Safe flying Ht 578 Km
3.	Cancel this MSG 110800 UTC Dec 15.
<b>853.</b>	<b>SW Bay of Bengal.</b> Chart INT 71. SLFV Nathasha3 adrift 11-28N 082-52E.
2.	Cancel this MSG 131000 UTC Dec 15.
<b>854.</b>	<b>India West Coast – Off Okha to Porbandar.</b> Charts 21 202 204 205 251 252 271 291 INT 71. Firing from Kathiawar scheduled daily from 14 Dec 15 to 31 Jan 16 from 0230-0930 UTC in danger area bounded by 22-12.00N 068-36.33E, 21-15.50N 069-04.00E, 21-09.00N 069-40.00E, 21-15.50N 069-42.50E, 22-05.75N 068-49.00E.
2.	Cancel this MSG 311030 UTC Jan 16.

<p><b>855. India West Coast – Okha.</b> Charts 21 203 291 INT 71. DGPS (22-28.6N 069-04.2E) Off AIR on 11 Dec from 0030-1330 UTC.</p> <p>2. Cancel this MSG 111430 UTC Dec 15.</p>																																										
<p><b>856. Cancel NAVAREA VIII 484 and this MSG.</b> India West Coast – Gulf of Kachchh. Charts 21 203 INT 71. Salaya channel buoy Chandri (22-37.16N 069-07.45E) relaid.</p>																																										
<p><b>857. India West Coast- Arabian Sea.</b> Charts 22 INT 71(.) RV Mgs Sagar progressing survey till 07 Jan 16 in area bounded by 11-00.00N 069-32.62E, 11-00.00N 071-38.87E, 07-52.59N 071-39.90E, 07-54.12N 071-27.31E.</p> <p>2. Wide berth around vessel requested</p> <p>3. Cancel this MSG 071830 UTC Jan 16.</p>																																										
<p><b>858. Indian Ocean – Off Reunion Island.</b> Charts INT 70. Naval gunnery exercise scheduled on 12 Dec 15 FROM 1500-1800 UTC in area bounded by 21-12.00S 054-57.00E, 21-39.02S 054-33.30E, 21-19.30S 054-25.54E, 21-26S 055-02.30E.</p> <p>2. Cancel this MSG 121900UTC Dec 15.</p>																																										
<p><b>859. Indian West Coast – Gulf of Khambhat.</b> Charts 21 209 210 254 292 INT 71. Firing by CG aircraft scheduled on 14 DEC 15 from 0130-1130 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> <p>2. Safe flying Ht 1.6 KM</p> <p>3. Cancel this MSG 141230 UTC Dec 15.</p>																																										
<p><b>860. India West Coast - Off Trivandrum.</b> Charts 22 32 222 INT 71. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 16 Dec 15 from 0530-0730 UTC</p> <p>2. Danger zone</p> <p>(A) Sector of radius 05 NM from Thumba between azimuth 190 and 300</p> <p>(B) Sector of radii 45 and 75 NM from Thumba between azimuth 220 AND 260</p> <p>3. Cancel this MSG 160830 UTC Dec 15.</p>																																										
<p><b>861. NAVAREA VIII Warnings in force as on 11 Dec 15</b></p> <p><b>2015 Series</b> – 124 287 288 298 334 386 408 439 445 486 498 514 556 565 567 573 582 616 633 635 644 646 672 676 686 706 707 708 712 720 728 729 735 737 753 767 768 770 777 787 793 804 811 812 824 828 829 837 838 843 847 848 849 850 851 853 854 857 858 859 860</p> <p>(a) NAVAREA VIII Warnings less than 42 days promulgated via SafetyNet</p> <p>(b) Text of NAVAREA VIII Warnings in force including those which no longer broadcast available on <a href="http://www.hydrobharat.nic.in">www.hydrobharat.nic.in</a></p> <p>(c) Cancel this MSG 181000 UTC Dec 15.</p>																																										
<p><b>862. Indian Ocean – Off Reunion Island.</b> Chart INT 70. Naval Gunnery exercise scheduled on 14 Dec 15 FROM 1600-1900 UTC in area bounded by 21-12.00S 054-57.00E, 21-39.02S 054-33.30E, 21-19.30S 054-25.54E, 21-26S 055-02.30E.</p> <p>2. Cancel this MSG 142000 UTC Dec 15.</p>																																										
<p><b>863. Cancel NAVAREA VIII 843. Indian Ocean – Bay of Bengal-Andaman Sea.</b> Charts 32 33 41 INT 71 INT 706. PSLV launch scheduled on 16 Dec 15 between 1200-1600 UTC from position 13-43.9N 080-14.2E</p> <p>2. DANGER ZONES AS FOLLOWS</p> <p><b><u>ZONE 1</u></b> Circle of 10 NM around launcher</p> <p><b><u>ZONE-2</u></b></p> <table> <tr> <td>(I)</td> <td>13-00N 082-05E</td> <td>(II)</td> <td>13-35N</td> <td>082-10E</td> </tr> <tr> <td>(III)</td> <td>13-25N 082-50E</td> <td>(IV)</td> <td>12-50N</td> <td>082-45E</td> </tr> </table> <p><b><u>ZONE-3</u></b></p> <table> <tr> <td>(I)</td> <td>12-20N 084-45E</td> <td>(II)</td> <td>12-55N</td> <td>084-55E</td> </tr> <tr> <td>(III)</td> <td>12-40N 085-50E</td> <td>(IV)</td> <td>12-05N</td> <td>085-40E</td> </tr> </table> <p><b><u>ZONE-4</u></b></p> <table> <tr> <td>(I)</td> <td>09-30N 094-50E</td> <td>(II)</td> <td>10-25N</td> <td>095-00E</td> </tr> <tr> <td>(III)</td> <td>10-10N 095-55E</td> <td>(IV)</td> <td>09-15N</td> <td>095-45E</td> </tr> </table> <p><b><u>ZONE-5</u></b></p> <table> <tr> <td>(I)</td> <td>21-00S</td> <td>134-00W</td> <td>(II)</td> <td>19-00S</td> <td>134-00W</td> </tr> <tr> <td>(III)</td> <td>08-00S</td> <td>094-00W</td> <td>(IV)</td> <td>10-00S</td> <td>094-00W</td> </tr> </table> <p>3. Cancel this MSG 161700 UTC Dec 15.</p>	(I)	13-00N 082-05E	(II)	13-35N	082-10E	(III)	13-25N 082-50E	(IV)	12-50N	082-45E	(I)	12-20N 084-45E	(II)	12-55N	084-55E	(III)	12-40N 085-50E	(IV)	12-05N	085-40E	(I)	09-30N 094-50E	(II)	10-25N	095-00E	(III)	10-10N 095-55E	(IV)	09-15N	095-45E	(I)	21-00S	134-00W	(II)	19-00S	134-00W	(III)	08-00S	094-00W	(IV)	10-00S	094-00W
(I)	13-00N 082-05E	(II)	13-35N	082-10E																																						
(III)	13-25N 082-50E	(IV)	12-50N	082-45E																																						
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(III)	12-40N 085-50E	(IV)	12-05N	085-40E																																						
(I)	09-30N 094-50E	(II)	10-25N	095-00E																																						
(III)	10-10N 095-55E	(IV)	09-15N	095-45E																																						
(I)	21-00S	134-00W	(II)	19-00S	134-00W																																					
(III)	08-00S	094-00W	(IV)	10-00S	094-00W																																					
<p><b>864. Andaman Sea – Off South Andaman.</b> Charts 41 473 INT 71. Firing practice scheduled on 17 and 18 Dec 15 from 0430-0930 UTC in area bounded by 11-50N 093-40E, 11-50N 094-20E, 12-00N 093-40E, 12-00N 094-20E. Safe flying Ht 5Km</p> <p>2. Cancel this MSG 181030 UTC Dec 15.</p>																																										
<p><b>865. Bay of Bengal.</b> Chart INT 71. SLFV Tharanga Putha-II adrift 13-31N, 085-18E.</p> <p>2. Cancel this MSG 171000 UTC Dec 15.</p>																																										
<p><b>866. India West Coast – Ezhimala.</b> Charts 22 258 INT 71. Mountdilli Racon ( 12-00N 075-12E ) not working.</p>																																										

**SECTION – VI**  
**CORRECTIONS TO SAILING DIRECTIONS (PILOTS)**

Bay of Bengal Pilot (INP-2)  
Chapter –4 (Page 182)  
(Source: BNHOC Bangladesh)

Article 4.54, insert new para after para 9

10      Dangerous Wreck A dangerous wreck (21° 43'.85  
N, 91° 28'.17 E) lies 24 miles SSE of Kutubdia Island Light

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

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
<b>F0756</b>	<b>Cheriyakara Island</b>	10 02.35 N 72 17.08 E	Fl(2)W 20s	38	<b>19</b>	White metal column, red bands 30	W207°-199° (352°).
-	-	..	Racon	..	..	..	ILRS Vol 2 Station 79070 <b>TD 2014</b> *
<b>F0952.3</b>	<b>Isakapalle</b>	14 43.81 N 80 06.02 E	Fl(2)W 10s	34	<b>18</b>	White round concrete tower, red stripes 30  *	



**SECTION – VIII**  
**CORRECTION TO LIST OF RADIO SIGNALS**

**INP 31(1), 2014**

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

**NIL**

**INP 31(2), 2014**

*(Last correction: Edition No. 22 dated 16 Nov 2015)*

**NIL**

**INP 31(5), 2011**

*(Last correction: Edition No. 16 dated 16 Aug2015)*

**NIL**

**INP 31(6), 2012**

*(Last correction: Edition No. 21 dated 01 Nov 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.

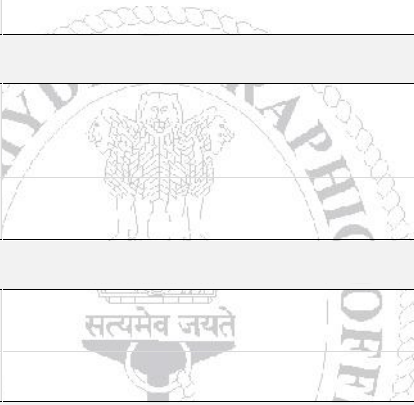
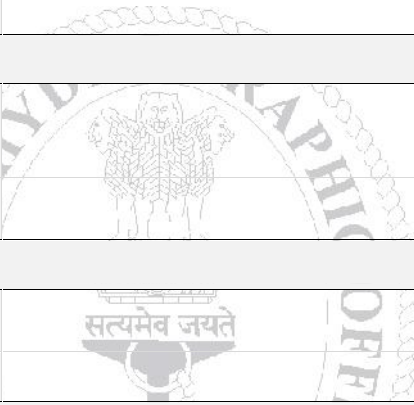


<b>HYDROGRAPHIC NOTE</b>				<b>IH.102 (Revised 2012)</b>	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object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

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

<b>7. TUGS (Continued)</b>	
Requesting authority	
Availability timing / Communication	
Hiring charges	
<b>8. BERTHING AND WHARVES</b>	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
<b>9. CARGO HANDLING</b>	
Containers	
Lighters & Ro-Ro etc.	
<b>10. CRANES</b>	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
<b>11. BRIDGES</b>	
Vertical clearance	
<b>12. REPAIRS</b>	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
<b>13. SERVICES</b>	
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	



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



**FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR**

**Email: [indsar@vsnl.net](mailto:indsar@vsnl.net)**

**NATION WIDE SAR TELE: 1554 (LAND LINE)**

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

**AFTN: VABBYXYC**