

# INDIAN NOTICES TO MARINERS



EDITION NO. 03 DATED 01 FEB 2019

(CONTAINS NOTICES 047 TO 051)

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. Sl 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<sub>s</sub> AND PUBLICATION

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
223	15-11-2018	<b>KOLACHEL TO MANAPPAD LIMIT</b> 07° 32'.00N; 76° 58'.00E. 08° 25'.00N; 78° 25'.00E.	1,50,000	4	Rs. 1950.00

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 The Indian Chart permanently withdrawn is as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart/ Edition</i>	<i>Date of Publication</i>
223	31-05-2001	<b>KOLACHEL TO MANAPPAD</b>	223	15-11-2018

3. The new 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>
IN3223KD	223	<b>KOLACHEL TO MANAPPAD</b>	21-01-2019
IN2255AA	255	<b>APPROACHES TO MUMBAI</b>	25-01-2019

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN132KTV	32	<b>KOCHI (COCHIN) TO VISAKHAPATNAM</b>	24-01-2019

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 The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN132KTV	32	<b>KOCHI (COCHIN) TO VISAKHAPATNAM</b>	11-12-2018
IN3223KM	223	<b>KOLACHEL TO MANAPPAD</b>	04-06-2013
IN2255AM	255	<b>APPROACHES TO MUMBAI</b>	10-01-2019

## VI

6. The forthcoming Indian Chart is as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
215	BETUL TO BELEKERI	1,50,000	New Chart
260 (INT 7362)	KOCHI TO CAPE COMORIN	3,00,000	New Chart
261	EIGHT DEGREE CHANNEL TO CAPE COMORIN	3,00,000	New Chart
2020	MORMUGAO AND PANAJI	25,000	New Edition
2022 (INT 7345)	APPROACHES TO MORMUGAO	60,000	New Edition
2078 (INT 7346)	PORT OF MORMUGAO	12,500	New Edition
2529	GABRIEL AND ROUND ISLAND	50,000	New Chart
4101	LANDFALL ISLAND	25,000	New Chart
4102	WEST ISLAND	25,000	New Chart
7073 (INT 73)	INDIAN OCEAN EASTERN PART	1,00,00,000	New Chart
7703 (INT 703)	GULF OF ADEN TO THE MALDIVES AND THE SEYCHELLES GROUP	35,00,000	New Chart

### 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:

<b>United Kingdom Hydrographic Office</b> Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Web site: <a href="http://www.hydro.gov.uk">www.hydro.gov.uk</a>	<b>C-MAP Norway AS</b> Nyaskaiveien 2, 4379 Egersund, Norway Ph: +47 51 464700, +91 2262233326 Mob: +91 9820238542 Fax: +47 51 464701, +91 2267939504 Email: <a href="mailto:enc@c-map.com">enc@c-map.com</a> , <a href="mailto:info@c-map.co.no">info@c-map.co.no</a> Website: <a href="http://www.c-map.com">www.c-map.com</a>
<b>M/s Primar</b> Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: <a href="mailto:data@ecc.no">data@ecc.no</a> Website: - <a href="http://www.primar.org">www.primar.org</a>	<b>M/s IIC Technologies Limited</b> B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad - 500 034 Telangana 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 047 to 051 contained in this edition is as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
32 (INT 754)	5	049
206	2	048
207	2	048
225	5	049
253 (INT 7328)	2	048
263(INT 7383)	5	049
264	5	049
2051 (INT 7333)	2	047
2081(INT 7342)	2	048
2124	2	047
3036	5	050



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

**\*047 (03/19) INDIA – WEST COAST – Salaya Channel – Legend.**

Source: NHO, Dehradun.

**Chart 2051 (INT 7333)** [previous update 037/18]

Insert legend “Hand Shoals”, centered on: 22° 27′·46N., 69° 31′·68E.

**Chart 2124** [previous update 108/17]

Insert legend “Hand Shoals”, centered on: 22° 27′·46N., 69° 31′·68E.

**\*048 (03/19) INDIA – WEST COAST – Approaches to Ports from Diu to Pipavav – Legend and Tower.**

Source: NHO, Dehradun.

**Chart 253 (INT 7328)** [previous update 040/19]

Insert legend “SS(Storm)”, centered on: 20° 43′·65N., 71° 05′·20E.

**Chart 206** [previous update 039/19]

Insert legend “SS(Storm)”, centered on: 20° 43′·70N., 71° 05′·20E.

**Chart 207** [previous update 039/19]

Insert legend “SS(Storm)”, centered on: 20° 43′·70N., 71° 05′·20E.

**Chart 2081 (INT 7342)** [previous update 168/18]

Insert legend “SS(Storm)”, centered on: 20° 44′·06N., 71° 05′·10E.

Substitute  for  20° 44′·42N., 71° 04′·63E.

20° 44′·40N., 71° 04′·47E.

**Chart 2081 (INT 7342) (Plan)** [previous update 168/18]

Substitute  for  20° 44′·42N., 71° 04′·63E.

20° 44′·40N., 71° 04′·47E.

**\*049 (03/19) SRI LANKA – WEST COAST – Colombo to Galle – Wreck.**

Source: IH-102, INS Jamuna.

**Chart 32 (INT 754)** [previous update 184/18]

Delete  *Wk* 06° 57′·72N., 79° 45′·65E.

**Chart 263 (INT 7383)** [previous update 126/18]

Insert  *Wk* 06° 57′·52N., 79° 45′·62E.

Delete  *Wk* 06° 57′·70N., 79° 45′·54E.

**Chart 264** [previous update 051/18]

Insert  *Wk* 06° 57′·52N., 79° 45′·62E.

Delete  *Wk* 06° 57′·70N., 79° 45′·54E.



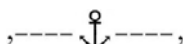
**\*049 (03/19) INDIA – WEST COAST – Colombo to Galle – Wreck. (Continued).**

Chart 225 [previous update 133/18]

Insert  06° 57'·52N., 79° 45'·61E.Delete  06° 57'·70N., 79° 45'·53E.**\*050(03/19) INDIA – EAST COAST –Chemplast Sanmar – Cuddalore Terminal – Anchorage Area.**

Source: TNMB.

Chart 3036 [previous update NC 30 Nov 2012]

Insert circular limit of anchorage  
area centered on : , radius 0.11 nm, 11° 38'·10N., 79° 48'·84E.

<b>*051 (03/19)</b>	<b>Miscellaneous updates.</b>		
Source: NHO Dehradun.			
<b>Chart No.</b>	<b>Previous Updates</b>	<b>Details</b>	
2114	094/17	Cancel INTM 136/15.	
<b>Refer Indian Notices to Mariners Annual Edition 2019 dated 01 Jan 2019 Section I</b>			
<b>Chart</b>	<b>Page no.</b>	<b>Details</b>	
221	9	Replace entire row with:	
		<b>221</b>	Alappuzha (Alleppey) to Kollam (Quilon) 2018 <b>2019-</b>
<b>3009 (INT 7407)</b>	13	For – 2018 in column 3. Read – 2017	
<b>3029</b>	14	For – 2018 in column 3. Read – 2014	
<b>3030</b>	14	For – 2014 in column 3. Read – 2018	

**SECTION – III**

**TEMPORARY AND PRELIMINARY NOTICES**

**NIL**



## SECTION – IV

### MARINE INFORMATION

#### 1. NAVTEX TRANSMISSION

Status of MSI Promulgation by NAVTEX Stations is as follows:-

Mauritius (Cassis) - Operational

Seychelles (Mahe)-Operational

Following new Navtex stations along the Indian coast have commenced operations:-

<b>INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz</b>								
Sl.	Station Name	B1	Broad Cast Timings in UTC					
(a)	Veraval	H	0110	0510	0910	1310	1710	2110
(b)	Vengrula Point	J	0130	0530	0930	1330	1730	2130
(c)	Muttam Point	L	0150	0550	0950	1350	1750	2150
(d)	Porto Novo	O	0220	0620	1020	1420	1820	2220
(e)	Vakalpudi	Q	0240	0640	1040	1440	1840	2240
(f)	Balasore	S	0300	0700	1100	1500	1900	2300
(g)	Keating Point	V	0330	0730	1130	1530	1930	2330

#### 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](mailto:indsar@vsnl.net), or [icgmrc\\_mumbai@mtnl.net](mailto: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.

#### 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.

#### 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 07 of 2018(01<sup>st</sup>April 2018).

(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) 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-Shevaharbour 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.

#### 8. **ADVISORY FOR ALL VESSELS NAVIGATING INDIAN WATERS**

(a) All vessels navigating in Indian waters are cautioned to keep a sharp look-out for fishing vessels and small crafts, as there have been several incidents of collisions with such vessels in the past resulting in loss of innocent lives as well as damage to property.

(b) It is further cautioned that all vessels need to exercise extreme care while navigating during hours of darkness as such vessels are generally of primitive built (wood/fibre/etc) due to which it may not be detected on ship's radar, especially during adverse weather conditions. Also, such vessels may not be properly lit, or sometimes, only one vessel may be lit among multiple vessels in a cluster.

(c) The general areas of concern on the west coast of India are the areas of convergence and divergence of traffic, mainly between Mangalore to Kanyakumari (Cape Comorin). Further, in these areas, additional caution needs to be exercised and wide berth be given to all such vessels.

(d) All fishing vessels are also cautioned to avoid fishing in areas having high density traffic. All fishing vessels are also required to always maintain proper lookout by sight, hearing and by all available means and comply with all applicable provisions of Collision Regulations.



### List of Indian Chart Agents

<p><b>OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a></p>	<p><b>M/s VDO Marine Insrtuments</b> Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow &amp; Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: <a href="mailto:atmain@md4.vsnl.net.in">atmain@md4.vsnl.net.in</a></p>
<p><b>M/s Global Charts &amp; Nav. Aids Pvt. Limited</b> 1A, Goa Mansion, Ground Floor, 58, Dr. SunderlalBahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: <a href="mailto:sales@globalcharts.in">sales@globalcharts.in</a> Web: <a href="http://www.globalcharts.com.sg">www.globalcharts.com.sg</a></p>	<p><b>SMS Marine Private Ltd</b> 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a> , <a href="mailto:raj.chakravorty@smsmap.com">raj.chakravorty@smsmap.com</a> Web: <a href="http://www.smsmaps.co.in">www.smsmaps.co.in</a></p>
<p><b>M/s C &amp; C Marine Combine</b> 25 Bank Street, 1<sup>st</sup> Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: <a href="mailto:vijay@ccmarine.in">vijay@ccmarine.in</a>, <a href="mailto:sales@ccmarine.in">sales@ccmarine.in</a></p>	<p><b>M/s Global Marine Infratech Pvt. Ltd.</b> SikshaSandan, Ground Floor, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +91-9337477799, 7077702499 Email: <a href="mailto:tusarkantha@gmiindia.in">tusarkantha@gmiindia.in</a> Web: <a href="http://www.gmiindia.in">www.gmiindia.in</a></p>
<p><b>M/s JM Maritime Services</b> 24/24C Kavarana Building, Ground Floor, WadiBunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : <a href="mailto:jmms@mtnl.net.in">jmms@mtnl.net.in</a> , <a href="mailto:charts@mtnl.net.in">charts@mtnl.net.in</a></p>	<p><b>L. R. Marine Services</b> 301, 3rd Floor, Biry House, 265, PerinNariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: <a href="mailto:lrcharts@gmail.com">lrcharts@gmail.com</a>, <a href="mailto:lrmarine@live.com">lrmarine@live.com</a></p>
<p><b>M/s Lift o Marine</b> Allen’s Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 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></p>	<p><b>IIC Technologies Limited</b> 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> <a href="mailto:sanjeev.sharma@iictechnologies.com">sanjeev.sharma@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a></p>
<p><b>M/s Zenith Surveys (I) Pvt. Ltd.</b> Lakhani’sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: <a href="mailto:zenithsurveys703@gmail.com">zenithsurveys703@gmail.com</a> <a href="mailto:nyvmane@yahoo.com">nyvmane@yahoo.com</a> Web: <a href="http://www.zenithsurvey.com">www.zenithsurvey.com</a></p>	

**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 – 2016.

2. NAVAREA VIII Warnings in force as on 31 Jan 19:

<b>2017 SERIES</b> – 345 394 493 685 762 814 829 866
<b>2018 SERIES</b> – 222 312 343 375 428 471 481 542 562 567 604 625 661 758 767 815 818 826 879
<b>2019 SERIES</b> – 005 006 016 020 022 023 024 025 029 036 047 048 057 059 060 061 063 065 066 067 071 073 077 078 079 081 082 083 085 087 088 089 090 092 093 096 097 098 099 100

3. NAVAREA VIII Warnings issued during the period from 16 Jan 19 to 31 Jan 19 (both dates inclusive) are as tabulated below:–

<p><b>039. Lakshadweep Sea – off Colombo.</b> Charts IN 263 INT 71. SLFV Delip Putha2 reported adrift 06-49N 077-57E at 151200 UTC Jan 19.</p> <p>2. Cancel this MSG 181200 UTC Jan 19.</p>																		
<p><b>040 Lakshadweep Sea – off Colombo.</b> Charts IN 263 INT 71. Man overboard reported from MV Cezanne on 15 Jan 19 in vicinity of 06-02N 078-20E. Vessels transiting to keep sharp look out.</p> <p>2. Cancel this MSG 180500 UTC Jan 19.</p>																		
<p><b>041. India East Coast. Charts IN 355 INT 7405. Rig list:-</b></p> <table> <tr><td>ABAN II</td><td>16-39.01N 082-22.73E</td></tr> <tr><td>DEEP DRILLER8</td><td>16-40.09N 082-25.43E</td></tr> <tr><td>DDKG1</td><td>16-10.37N 082-39.09E</td></tr> <tr><td>ESSAR WILDCAT</td><td>16-18.41N 082-12.33E</td></tr> <tr><td>SSV LOUISIANA</td><td>16-20.69N 082-19.62E</td></tr> <tr><td>OLINDA STAR</td><td>16-16.59N 082-16.36E</td></tr> <tr><td>DSR PLATINUM EXPLORER</td><td>16-15.85N 082-23.47E NEW</td></tr> <tr><td>SAGAR RATNA</td><td>15-21.91N 080-31.91E</td></tr> <tr><td>WEST TELESTO</td><td>17-01.00N 082-25.00E</td></tr> </table> <p>2. Wide berth requested.</p> <p>3. Cancel NAVAREA VIII MSG 026/19.</p>	ABAN II	16-39.01N 082-22.73E	DEEP DRILLER8	16-40.09N 082-25.43E	DDKG1	16-10.37N 082-39.09E	ESSAR WILDCAT	16-18.41N 082-12.33E	SSV LOUISIANA	16-20.69N 082-19.62E	OLINDA STAR	16-16.59N 082-16.36E	DSR PLATINUM EXPLORER	16-15.85N 082-23.47E NEW	SAGAR RATNA	15-21.91N 080-31.91E	WEST TELESTO	17-01.00N 082-25.00E
ABAN II	16-39.01N 082-22.73E																	
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OLINDA STAR	16-16.59N 082-16.36E																	
DSR PLATINUM EXPLORER	16-15.85N 082-23.47E NEW																	
SAGAR RATNA	15-21.91N 080-31.91E																	
WEST TELESTO	17-01.00N 082-25.00E																	
<p><b>042. India East Coast – off Chennai.</b> Charts IN 3001 INT 7402. MV Acoms progressing survey in area BOUNDED by 13-01.74N 080-16.79E, 13-01.18N 080-16.70E, 13-00.71N 080-18.91E, 13-01.24N 080-19.02E. Vessel towing cable of 150 metres. Wide berth requested.</p>																		
<p><b>043. Cancel NAVAREA VIII MSG 032/19 and this MSG.</b></p>																		
<p><b>044. India East Coast – off Paradip.</b> Charts IN 31 351 352 INT 71. Experimental flight trial scheduled from ITR on 18 Jan 19 from 0430 to 0830 and 19 Jan 19 from 0430 to 0630 UTC in danger zone bounded by 21-01.25N 087-07.89E, 20-47.59N 087-01.84E, 20-33.58N 086-58.09E, 17-13N 087-12E, 17-58.23N 089-30.88E, 20-39.87N 088-38.37E, 21-04.25N 087-52.33E, 21-07.47N 087-12.53E.</p> <p>2. Cancel NAVAREA VIII MSG 033/19 and this MSG 190730 UTC Jan 19.</p>																		
<p><b>045. Central Arabian Sea.</b> Charts IN 22 INT 752. SLFV Sea Queen reported adrift 07-52N 070-02E AT 160745 UTC Jan 19.</p> <p>2. Cancel this MSG 190745 UTC Jan 19.</p>																		
<p><b>046. Andaman Sea – off Car Nicobar.</b> Charts IN 407 472 INT 7032. Firing by air force scheduled on 18, 19 Jan 19 from 0130 to 1130 UTC in danger area bounded within 08-46N TO 08-56N AND 092-30E TO 092-40E.</p> <p>2. Cancel this MSG 191230 UTC Jan 19.</p>																		
<p><b>047. Andaman Sea – off Havelock.</b> Charts IN 404 4015 INT 7439. Firing by Navy scheduled on 22, 23 Jan 19 from 0230 to 0830 UTC in danger area bounded within 11-55N to 12-00N and 092-55E to 093-00E.</p> <p>2. Cancel this MSG 230930 UTC Jan 19.</p>																		
<p><b>048. India East Coast – off Karaikal Port.</b> Charts IN 357 INT 7397. SV Samudra Ratnakar progressing survey in area bounded by 10-35.33N 080-15.8E, 10-54.26N 080-05.85E, 11-03.85N 080-24.58E, 11-46.07N 080-35.07E. Wide berth requested.</p> <p>2. Cancel this MSG 051830 UTC Feb 19.</p>																		
<p><b>049. Cancel NAVAREA VIII MSG 722/18 and this MSG.</b></p>																		
<p><b>050. Bay of Bengal and Indian Ocean.</b> Charts IN 33 356 INT 73. PSLV launch scheduled from 24 to 26 Jan 19 from 1730 to 2130 UTC</p> <p>2. Danger zone as follows:- ZONE -1: Circle of 10 nm from 13-43.9N 080-14.2E.</p>																		

<b>050. Continued.</b> ZONE-2: Radii of 15 and 60 miles from 13-43.9N 080-14.2E between azimuth 130 and 150. ZONE-3: 11-45N 081-20E, 12-10N 081-50E, 10-15N 083-15E, 09-50N 082-45E. ZONE-4: 09-00N 083-10E, 09-00N 083-55E, 07-15N 083-55E, 07-15N 083-20E. ZONE-5: 01-00N 081-25E, 00-40N 083-25E, 04-05S 082-30E, 03-45S 080-30E. ZONE-6: 24-15S 074-45E, 25-00S 080-00E, 34-00S 078-00E, 35-00S 075-00E, 37-00S 071-45E. 3. Cancel this MSG 262230 UTC Jan 19.
<b>051. Cancel NAVAREA VIII MSG 861 888/18 and this MSG (.) INTM 040 041/19 refers.</b>
<b>052. Andaman Sea – off Havelock.</b> Charts IN 404 4016 INT 7439. Firing by Navy scheduled from 222300 to 230100 UTC Jan 19 in danger area bounded within 11-50N to 12-00N and 092-50E to 093-00E. 2. Cancel NAVAREA VIII MSG 047/19 and this MSG 230200 UTC Jan 19.
<b>053. India West Coast- off Ratnagiri.</b> Charts IN 22 293 INT 71. Firing by Navy scheduled from 221430 to 241430 UTC Jan 19 in danger area bounded by 17-58N 069-23E, 16-15N 068-36E, 16-56N 071-34E, 14-58N 070-46E. 2. Cancel this MSG 241530 UTC Jan 19.
<b>054. India West Coast - off Trivandrum.</b> Charts IN 222 223 INT 71. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled ON 23 Jan 19 from 0530-0730 UTC. 2. Danger sector:- (A) Radius of 05 miles from launcher between azimuth 190 and 300. (B) Radii OF 45 and 75 miles from launcher between azimuth 220 and 260. 3. Cancel this MSG 230830 UTC Jan 19.
<b>055. Andaman Sea – off Cinque.</b> Charts IN 405 473 4030 INT 7440. Firing by Naval ships scheduled on 22, 23 Jan 19 from 0500 to 0700 UTC in danger area bounded within 11-00N to 11-20N and 092-29E to 092-52E. 2. Cancel this MSG 230800 UTC Jan 19.
<b>056. NAVAREA VIII warnings in force as on 18 Jan 2019:-</b> <b>2017 SERIES</b> – 305 345 394 493 685 762 814 829 866 <b>2018 SERIES</b> - 047 222 312 343 348 375 428 471 481 542 562 567 604 625 661 758 767 815 818 824 826 879 886 896 <b>2019 SERIES</b> – 005 006 014 016 020 022 023 024 025 029 034 036 038 041 042 044 045 046 048 050 052 053 054 055 (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 in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a> 2. Cancel this MSG 251830 UTC Jan 19.
<b>057. India West Coast- off Okha.</b> Charts IN 251 INT 7318. Fishing vessel Sudama Puri3 reported capsized 22-49N 067-35E on 17 Jan 19. 01 crew missing. Report sightings.
<b>058. Cancel NAVAREA VIII MSG 034,044/19 and this MSG.</b>
<b>059. India West Coast – Gulf of Khambhat.</b> Charts IN 207 INT 7021. Tug Ferrari progressing geophysical survey in area bounded by 20-35.39N 071-39.6E, 20-36.6N 071-42.6E, 20-38.4N 071-46.4E, 20-39.4N 071-48.5E, 20-44.59N 071-48.45E, 20-50.04N 071-48.44E, 20-50.04N 071-54.56E, 20-51.64N 071-50.85E, 20-53.18N 071-49.88E, 20-51.29N 071-46.91E, 20-49.15N 071-43.51E, 20-46.7N 071-39.59E, 20-43.28N 071-39-58E, 20-38.61N 071-39.61E. Wide berth requested. 2. Cancel this MSG 281830 Feb 19.
<b>060. Indian Ocean – Mauritius.</b> Chart BA 711. Blue fishing boat bearing registration PPC4586OL10 with 3 crew reported overdue at Grand Gaube since 15 Jan 19. Vessels transiting to keep sharp look out and report sighting.
<b>061. India West Coast – off Malvan.</b> Charts IN 213 256 INT 7340. INS Makar progressing survey using towed sonar in area bounded within 16-00N to 16-11N and 073-00E to 073-11E. Wide berth of 05 nm requested.
<b>062. Andaman Sea – off Barren.</b> Charts IN 473 INT 757. Firing by CG Aircraft scheduled on 24, 25 Jan 19 from 0430 to 0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. 2. Cancel this MSG 251030 UTC Jan 19.
<b>063. Andaman Sea – off Myanmar.</b> Charts IN 41 (INT 757). Seismic vessel Polar Duchess progressing survey in area bounded by 13-27.90N 096-20.41E, 13-28.26N 096-59.19E, 13-01.58N 096-59.42E, 12-56.06N 097-22.28E, 12-35.59N 097-22.41E, 12-33.56N 097-10.62E, 12-10.89N 097-10.83E, 12-10.50N 096-21.22E. 2. Vessel towing 10 cables of 8100 metres each. Wide berth requested.
<b>064. Bay Of Bengal - off Chittagong.</b> Charts IN 31 (INT 756). Firing by Naval ships scheduled on 23 Jan 19 from 1430-1730 UTC in danger area bounded by 20-22N 091-06E, 20-46.83N 091-31E, 20-24N 091-59E, 20-00N 091-36E. 2. Cancel this MSG 231830 UTC Jan 19.
<b>065. India West Coast – Gulf of Khambhat.</b> Charts IN 207 INT 733. Lesser depth reported by MV Eagle Strait 20-51.1N 072-07.9E. Mariners to exercise caution.
<b>066. India East Coast. Charts IN 355 INT 7405. Rig list:-</b> ABAN II 16-39.01N 082-22.73E DEEP DRILLER8 16-40.09N 082-25.43E DDKG1 16-10.37N 082-39.09E ESSAR WILDCAT 16-18.41N 082-12.33E



<b>066. Continued.</b>
SSV LOUISIANA 16-20.69N 082-19.62E OLINDA STAR 16-16.59N 082-16.36E DSR PLATINUM EXPLORER 16-15.85N 082-23.47E SAGAR RATNA 16-21.42N 081-59.45E NEW WEST TELESTO 17-01.00N 082-25.00E
2. Wide berth requested.
3. Cancel NAVAREA VIII MSG 041/19.
<b>067. India West Coast – off Mumbai to Gulf of Khambhat.</b> Charts IN 292 (INT 7021) 293. Crane vessel Sapura 3000 progressing subsea wells and pipe line replacement activities in area bounded by (A) 19-42.36N 070-56.18E, 19-41.28N 072-09.73E, 18-54.89N 072-20.56E, 18-55.08N 071-46.56E, 18-55.74N 071-01.96E, 19-05.85N 070-55.71E, (B) 18-49.20N 072-09.49E, 18-48.81N 072-28.67E, 17-58.73N 072-27.66E, 17-59.05N 072-08.58E (C) 18-39.62N 070-57.67E, 18-39.55N 071-04.7E, 18-33.3N 071-04.62E, 18-33.51N 070-57.51E (D) 20-37.99N 071-56.7E, 20-37.8N 072-07.22E, 20-03.33N 072-06.53E, 20-03.75N 071-40.63E. Wide berth of over 5 nm requested.
2. Cancel this MSG 171830 UTC Feb 19.
<b>068. India West Coast – off Mumbai.</b> Charts IN 292 (INT 7021). Cable repair vessel Umm Al Anber progressing operations using ROV in area bounded within 18-31N to 18-49N and 069-38E to 070-29E. Wide berth of over 1 nm requested.
2. Cancel this MSG 311830 UTC Jan 19.
<b>069. India East Coast- Chennai.</b> Charts IN 313 3001 (INT 7402). Firing by Navy scheduled on 25 Jan 19 from 0530 to 0730 UTC in danger sector extending upto 11 miles between bearing 045 and 075 from 13-07.02N 080-18.01E.
2. Cancel this MSG 250830 UTC Jan 19.
<b>070. Indian Ocean – off Reunion Island.</b> Charts BA 1497 INT 7730. Semi submerged red and green metal hull reported adrift 21-36.74S 056-19.69E.
2. Cancel this MSG 251000 UTC Jan 18.
<b>071. India West Coast– Gulf of Khambhat.</b> Charts IN 207 INT 7331. Narmada channel buoys 4, 8 retrieved and 7, 9 shifted TO 20-56N 072-09.4E, 21-03.48N 072-11.15E.
2. Cancel NAVAREA VIII MSG 886/18.
<b>072. Cancel NAVAREA VIII MSG 054/19 and this MSG.</b>
<b>073. Andaman Sea – off NW Andaman.</b> Chart IN 473 (INT 7031). INS Nirupak progressing hydrographic survey in area bounded within 12-46.2N to 13-33.16N and 092-37.5E to 092-53.6E. Wide berth requested.
<b>074. Central Arabian Sea.</b> Chart IN 22 (INT 752). SLFV Sea Queen2 reported adrift 06-20N 069-30E at 230435 UTC Jan 19.
2. Cancel this MSG 260435 UTC Jan 19.
<b>075. Cancel NAVAREA VIII MSG 047/18, 042/19 and this MSG.</b>
<b>076. India West Coast - off Trivandrum.</b> Charts IN 222 223 INT 752. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 30 Jan 19 from 0530-0730 UTC.
2. Danger sector:- (A) Radius of 05 miles from launcher between azimuth 190 and 300. (B) Radii of 45 and 75 miles from launcher between azimuth 220 and 260.
3. Cancel this MSG 300830 UTC Jan 19.
<b>077. Bay of Bengal - Off Chittagong.</b> Charts BA 84 INT 756. Lighter vessel Titu77 reported sunk 22-13.03N 091-47.37E. Wreck dangerous for surface navigation and marked with red buoy FL R 4S.
<b>078. Bay of Bengal - off Coxs Bazar.</b> Chart BA 90 INT 756. Floating storage regasification unit installed 21-33.34N 091-48.97E with tie point 21-34.38N 091-51.79E. Wide berth requested.
<b>079. India West Coast - Ratnagiri .</b> Charts IN 2028 INT 752. Buoys seasonal 17-00.16N 073-16.43E, Taylor Shoal 17-00.59N 073-16.10E, Breakwater 17-00.17N 073-16.17E , 17-00.16N 073-16.43E missing.
<b>080. Indian Ocean – off Reunion Island.</b> Charts BA 712 (INT 7730). Naval gunnery exercise scheduled on 28 Jan from 1600 to 1800 UTC and 29 Jan 19 from 0100 to 0600 UTC in area bounded by 21-12S 054-57E, 21-39.02S 054-33.3E, 21-19.3S 054-25.54E, 21-26S 055-02.3E.
2. Cancel this MSG 290700 UTC Jan 19.
<b>081. India West Coast – JNPT.</b> Chart IN 2076 (INT 7338). Test piles MP179L (18-59.44N 072-58.38E), MP183L (18-59.37N 072-58.58E) erected. Marked with FL R LT. Wide berth requested.
<b>082. Cancel NAVAREA VIII 050/19 and this MSG.</b>
<b>083. South Bay Of Bengal.</b> Charts IN 33 INT 71. 10 x 10 metres platform with shrine reported 05-53N 084-40E.
<b>084. NAVAREA VIII warnings in force as on 25 Jan 2019:-</b> 2017 SERIES – 305 345 394 493 685 762 814 829 866 2018 SERIES – 222 312 343 348 375 428 471 481 542 562 567 604 625 661 758 767 815 818 826 879 896 2019 SERIES – 005 006 014 016 020 022 023 024 025 029 036 038 047 048 057 059 060 061 063 065 066 067 068 071 073 074 076 077 078 079 080 081 082 083 (A) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.

<b>084.</b>	<b>Continued.</b> (B) TEXT of NAVAREA VIII warnings in force including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a> 2. Cancel this MSG 011830 UTC Feb 19.
<b>085.</b>	<b>India West Coast – Mumbai.</b> Charts IN 2016 (INT 7336). MSV Amar Jyoti reported sunk 18-52.07N 072-45.93E. Wreck dangerous for surface navigation. Wide berth advised.
<b>086.</b>	<b>Andaman Sea – off Car Nicobar.</b> Charts IN 407 INT 7032. Firing by air force scheduled on 29 Jan 19 from 0200 to 0900 UTC in danger area bounded within 08-50.6N to 09-05.6N and 092-34.7E to 092-49.6E. 2. Cancel this MSG 291000 UTC Jan 19.
<b>087.</b>	<b>India West Coast - off Mumbai.</b> Charts IN 255 INT 7021. Fishing boat Ganga Maiya reported sunk in vicinity of 19-39N 072-03E. Wide berth advised.
<b>088.</b>	<b>India West Coast – Mumbai.</b> Charts IN 2016 (INT 7336). Sailing boat S3 reported sunk in vicinity of 18-54.55N 072-47.16E.
<b>089.</b>	<b>Bay of Bengal - off Bangladesh.</b> Charts IN 31 (INT 756) BA 829. Firing by Naval ships scheduled daily from 01 to 28 Feb 19 from 0001 to 1600 UTC in danger areas bounded by (A) 21-20.83N 090-34E, 21-41N 091-14E, 21-20.83N 091-28E, 21-00N 090-47.83E (B) 20-07N 090-52E, 20-22N 091-06E, 20-00N 091-36E, 19-44N 091-21E (C) 20-22N 091-06E, 20-46.5N 091-31E, 20-24N 091-59E, 20-00N 091-36E (D) 21-18N 089-31E, 21-18N 089-50E, 21-04N 089-54E, 21-04N 089-34E (E) 20-58N 089-34E, 20-58N 089-54E, 20-34N 089-54E, 20-34N 089-34E. 2. Cancel this MSG 281700 UTC Feb 19.
<b>090.</b>	<b>India West Coast – Kochi.</b> Charts IN 220 2029 (INT 7358). Firing by Navy scheduled on:- DATE TIME (UTC) 01 FEB 19 0900-1200, 1230-1430 05 FEB 0900-1200 08 FEB 0900-1200, 1230-1430 12 FEB 0900-1200 15 FEB 0900-1200, 1230-1430 19 FEB 0900-1200 22 FEB 0900-1200, 1230-1430 26 FEB 0900-1200 2. Danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. 3. Cancel this MSG 261300 UTC Feb 19.
<b>091.</b>	<b>South Arabian Sea.</b> Chart INT 71. SLFV Wasana2 reported adrift 06-58N 069-19E.
<b>092.</b>	<b>India East Coast – Krishnapatnam.</b> Charts 3034 INT 7400. DGPS (14-17N 080-08E) off.
<b>093.</b>	<b>India East Coast – off Kakinada.</b> Charts IN 355 (INT 7405). GTV Samudra Sarvekshak progressing soil investigation in area bounded by 16-40.4N 082-24.29E, 16-41.84N 082-23.6E, 16-40.72N 082-22.85E, 16-11.85N 081-37.33E, 16-08.86N 081-41.22E. Wide berth requested. 2. Cancel this MSG 111830 UTC Feb 19.
<b>094.</b>	<b>Cancel NAVAREA VIII MSG 305/17 and this MSG.</b>
<b>095.</b>	<b>Cancel NAVAREA VIII MSG 091/19 and this MSG.</b>
<b>096.</b>	<b>India West Coast – off Trivandrum.</b> Charts IN 261 INT 752. Partially submerged yellow blue red white boat reported adrift 08-28.5N 075-46.2E at 300920 UTC Jan 19. 2. Cancel this MSG 020920 UTC Feb 19.
<b>097.</b>	<b>India West Coast – off Mumbai to Gulf of Khambhat.</b> Chart IN 292 (INT 7021). SV Fugro Mapper progressing survey in vicinity of 19-13.86N 071-25.23E, 19-21.86N 071-12.65E, 19-14.54N 072-14.55E, 19-33.48N 071-24.91E, 18-55.85N 072-18.35E, 18-34.95N 072-14.46E, 19-31.57N 070-56.41E, 19-15.95N 072-06.05E, 18-42.53N 072-20.47E, 18-38.2N 071-00.92E, 18-16.38N 072-22.82E, 21-03.69N 072-25.30E. Wide berth requested. 2. Cancel this MSG 281830 UTC Feb 19.
<b>098.</b>	<b>India East Coast – off Gopalpur.</b> Chart IN 353 INT 756. Prayagi lt (19-28N 085-10E) unlit.
<b>099.</b>	<b>Andaman Sea – off Andaman and Nicobar Islands.</b> Chart IN 41 (INT 757). MV Acoms11 progressing survey in area bounded by 12-35.69N 093-13.42E, 12-30.59N 092-02.11E, 06-41.11N 093-07.66E, 06-51.02N 094-29.44E. Vessel towing cable of 150 metres. Wide berth requested. 2. Cancel this MSG 151830 UTC Apr 19.
<b>100.</b>	<b>Cancel NAVAREA VIII MSG 348/18 and this MSG (.) INTM 043/19 refers.</b>

**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
<b>F0355</b>	- <b>Mitha Port.</b> Jakhau	23 14.36 N 68 36.43 E	Fl W 10s	46	<b>18</b>	White round concrete tower, red bands 41	<i>fl 0.3</i>
- - -		..	Racon	..	..	..	ILRS Vol 2 station 78780 <b>TD 2019</b> *
<b>F0386</b>	- Chank Tapu. Off N side	22 32.90 N 69 24.57 E	Fl W 15s	12	11	White 4-sided concrete tower, black bands	<i>fl 1</i> *
<b>F0901.2</b>	- New Rameshwaram	09 19.05 N 79 19.84 E	Fl(2)W 20s	.16	13	White square tower, red spiral bands 15	<i>fl 0.75, ec 2.0, fl 0.75, ec 16.5</i> *
<b>F0962.4</b>	- Kakinada	16 58.58 N 82 17.03 E	Fl W 10s	..	4	Tower	* * * *

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

**INP 31(1), 2014**

*(Last correction: Edition No. 15 dated 01 Aug 2018)*

NIL

**INP 31(2), 2014**

*(Last correction: Edition No.02 dated 16 Jan 2019)*

NIL

**NP 31(5), 2017**

*( Last correction: Edition No. 23 dated 1 Dec 2018)*

NIL

**INP 31(6), 2012**

*(Last correction: Edition No. 02 dated 16 Jan 2019)*

NIL

**SECTION – IX**  
**CORRECTIONS TO MISCELLANEOUS NAUTICAL PUBLICATIONS**

**Amendment to Indian Notices to Mariners, Edition No. 01 Dated 01 Jan 2019**  
**Section-VIII, Correction to List of Radio Signals**

For :

**INP 31(1), 2014***(Last correction: Edition No. 15 dated 01 Aug2018)***PAGE 20, RADAR BEACONS****Nagapattinam Lt***Delete entry and replaced by*

Nagapattinam Lt	10°30'.95 N 79°51'.01 E			20 nm		G		79120
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**INP 31(2), 2014***(Last correction: Edition No. 21 dated 01 Nov 2018)***NIL**

Read:

**INP 31(1), 2014***(Last correction: Edition No. 15 dated 01 Aug2018)***NIL****INP 31(2), 2014***(Last correction: Edition No. 21 dated 01 Nov 2018)***PAGE 20, RADAR BEACONS****Nagapattinam Lt***Delete entry and replaced by*

Nagapattinam Lt	10°30'.95 N 79°51'.01 E			20 nm		G		79120
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## SECTION – X

### 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.gov.in, msis-inho@navy.gov.in  
Fax No.: +91-135- 2748373  
WEB: www.hydrobharat.gov.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 102A 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, on receipt. 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.

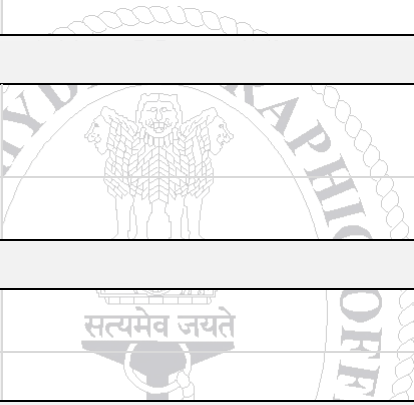





<b>HYDROGRAPHIC NOTE</b>				<b>IH.102 (Revised 2012)</b>	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues					
Date		Ref. Number			
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date		Time (UTC/IST)			
Object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

<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**