



# INDIAN NOTICES TO MARINERS



EDITION NO. 04 DATED 16 FEB 2016

(CONTAINS NOTICES 060 TO 066)

REACH US 24 x 7



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## CONTENTS

Section No.	Title
I	List of Charts Affected
II	Permanent Notices
III	Temporary and Preliminary Notices
IV	Marine Information
V	NAVAREA VIII Warnings in force
VI	Corrections to Sailing Directions
VII	Corrections to List of Lights
VIII	Corrections to List of Radio Signals
IX	Reporting of Navigational Dangers

(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<sub>s</sub> AND PUBLICATION

1. 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>
IN52024O	2024	HONAVAR ANCHORAGE	09-02-2016
IN52024A	2024	TADRI ANCHORAGE	09-02-2016
IN52057B	2057	MAHUVA BANDAR	08-02-2016
IN52057S	2057	SIMAR ANCHORAGE	08-02-2016
IN3408NC	408	CHOWRA ISLAND TO NANCOWRY HARBOUR	09-02-2016

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52011G	2011	APPROACHES TO JAIGARH & ANGRE	10-02-2016
IN63035V	3035	GANGAVARAM PORT	10-02-2016
IN3212MR	212	MURUD - JANJIRA HARBOUR TO RATNAGIRI	15-02-2016

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 The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52024H	2024	HONAVAR ANCHORAGE	01-07-2006
IN52024T	2024	TADRI ANCHORAGE	01-07-2006
IN52057M	2057	MAHUVA BANDAR	23-05-2008
IN52057A	2057	SIMAR ANCHORAGE	19-05-2011
IN3408CN	408	CHOWRA ISLAND TO NANCOWRY HARBOUR	25-02-2013
IN52011G	2011	APPROACHES TO JAIGARH & ANGRE	27-10-2014
IN63035V	3035	GANGAVARAM PORT	15-03-2013
IN212MR	212	MURUD - JANJIRA HARBOUR TO RATNAGIRI	18-12-2013

4. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2034 (INT 7349)	HAZIRA PORT	10,000	New Edition
2101 (INT 7347)	APPROCHES TO HAZIRA	37,500	New Chart
2518	MANDA BAY	25,000	New Edition
2525	APPROACHES TO MANDA BAY	37,500	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:

<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 Telex: 46274 Web site: <a href="http://www.hydro.gov.uk">www.hydro.gov.uk</a>	<b>M/s Jeppesen Norway AS</b> Hovalandsveien 52 PO Box 212, N-4379, Egersund, Norway Ph: +47 51 464700 Mob: +91 93222 38542 Fax: +47 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>
<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 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 060 to 066 contained in this edition is as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
41 (INT 757)	6	066 (T)
212	3	060
220	3	062
259 (INT 7356)	3	062
260 (INT 7362)	3	062
410	7	064
411	7	064
451	7	064
452	7	064, 065
2004 (INT 7359)	3	062
2029 (INT 7358)	3	062
2080	2	061
3002 (INT 7410)	5	063
3035 (INT 7349)	5	063
4019	7	065



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

**\*060 (04/16) INDIA – WEST COAST – Murud-Janjira Harbour to Ratnagiri – Anchorage Area. Pilot Boarding Ground. Coastline.**

Source: NHO Dehradun.

**Chart 212** [previous update 040/16]

Insert accompanying block showing amendments to Anchorage Area, Pilot Boarding Ground & Coastline centered on: 17° 18′.90N., 73° 10′.20E.

**\*061 (04/16) India – West Coast – Gulf of Kachchh – Eastern Portion – Port Development.**

Source: NHO Dehradun.

**Chart 2080** [previous update 042/16]

Insert accompanying block showing port developments centered on: 22° 54′.30N., 70° 06′.20E.

**\*062 (04/16) India – West Coast – Kochi Harbour – Wreck.**

Source: MRCC Mumbai.

**Chart 259 (INT 7356)** [previous update 170/15]

Insert  PA 09° 55′.40N., 76° 13′.30E.

**Chart 260 (INT 7362)** [previous update 170/15]

Insert  PA 09° 55′.31N., 76° 13′.35E.

**Chart 220** [previous update 091/15]

Insert  PA 09° 55′.30N., 76° 13′.36E.

**Chart 2029 (INT 7358)** [previous update 179/15]

Insert  PA 09° 55′.40N., 76° 13′.30E.

**Chart 2004 (INT 7359)** [previous update NC 31 Oct 15]

Insert  PA 09° 55′.40N., 76° 13′.30E.

**\*063 (04/16) INDIA – EAST COAST – Gangavaram Port – Lights.**

Source: Gangavaram Port Ltd.

**Chart 3002 (INT 7410)** [previous update NC 15 Dec 15]

Amend light to; Q.39m12M 17° 37′.48N., 83° 13′.76E.

light to; Q.52m12M 17° 37′.46N., 83° 13′.48E.

**Chart 3035 (INT 7349)** [previous update 175/14]

Amend light to; Q.39m12M 17° 37′.484N., 83° 13′.760E.

light to; Q.52m12M 17° 37′.461N., 83° 13′.478E.

**\*064 (04/16) Andaman Sea – Coast of Burma – Western Approaches to Rangoon River – Wreck.**

Source: Myanmar Hydrographic Centre.

**Chart 451** [previous update 168/13]

Insert  PA 16° 11′.90N., 96° 19′.57E.



16° 11′.85N., 96° 19′.38E.



**\*064 (04/16) Andaman Sea – Coast of Burma – Western Approaches to Rangoon River – Wreck. Continued.****Chart 452** [previous update 186/14]

Insert PA

16° 11′.90N., 96° 19′.57E.



Fl

16° 11′.85N., 96° 19′.38E.

**Chart 410** [previous update 168/13]

Insert PA

16° 11′.90N., 96° 19′.57E.



Fl

16° 11′.85N., 96° 19′.38E.

**Chart 411** [previous update 168/13]

Insert PA

16° 11′.90N., 96° 19′.57E.



Fl

16° 11′.85N., 96° 19′.38E.

**\*065 (04/16) Andaman Sea – Burma – Gulf of Martaban – Port of Rangoon – Mooring Buoy.**

Source: Myanmar Hydrographic Centre.

**Chart 452** [previous update 064/16]

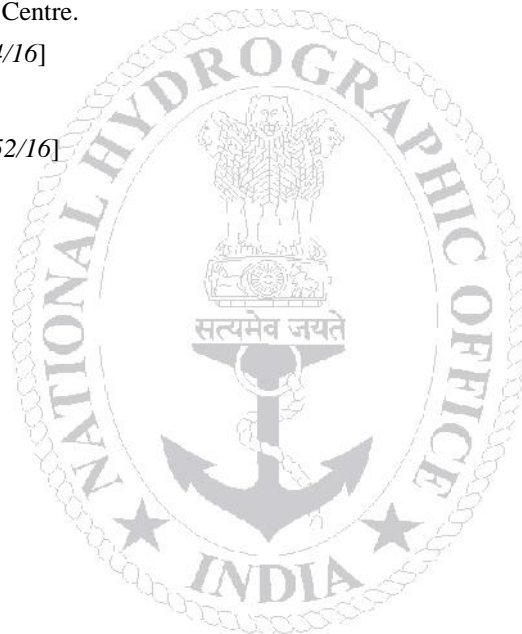
Insert

16° 47′.33N., 96° 13′.47E.

**Chart 4019** [previous update 052/16]

Insert

16° 47′.25N., 96° 13′.65E.



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

**\*066(T) (04/16) Andaman Sea – Survey Operation.**

Source: Myanmar Hydrographic Centre.

1. Survey vessel Polarcus Asima (call sign; 6XK6) will carry out 3D seismic survey in below mentioned area till **31 Mar 16**:

Sl. No.	Point	Position
(a)	Point A	13° 48′.64N., 95° 45′.93E.
(b)	Point B	13° 48′.75N., 95° 51′.06E.
(c)	Point C	13° 24′.51N., 95° 51′.07E.
(d)	Point D	13° 24′.46N., 95° 20′.70E.

2. During the survey period, unauthorized navigation, anchoring, fishing and trawling are prohibited within 04 KM from above mentioned survey area.

3. Vessels are requested to give a wide berth of 02 NM around the vessel and navigate with caution.

**Charts affected – 41 (INT 757).**



## **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**

<p><b>M/s OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: 011-46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p><b>M/s Sterling Book House</b> 181, Dr. DN Road, Fort, Mumbai – 400 001 Tel: 91-22-22612521, Fax: 91-22-22623551 Email : sbh@vsnl.com</p>
<p><b>M/s Global Charts &amp; Nav. Aids Pvt. Limited</b> 1A, Goa Mansion, Ground Floor, 58, Dr. Sunderlal Bahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: sales@globalcharts.in Web: www.globalcharts.com.sg</p>	<p><b>EW Liner Charts &amp; Publication (India)</b> 2/524, Sundeep Road, Chinna Neelangarai, Chennai 600041 Tele/Fax : +91-44-24490668 Mob No : +91-9003245348 Email: maritimeindia@airtelmail.in</p>
<p><b>M/s C &amp; C Marine Combine</b> 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</p>	<p><b>Gujarat Pipavav Port Limited</b> PO – Ucchaiya, Dist – Amereli, Gujarat – 365 560 Tele: +91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)</p>
<p><b>M/s SVR Chart Agencies</b> Door No.50-81-35/6, Santhipuram, Seetammapeta, Visakhapatnam – 530 016 Tele Fax: 0891-2799471, Cell: +91 9440132553, 9849120988, 9885308200 Email : mahalakshmitravels@hotmail.com</p>	<p><b>M/s Jeppesen India Pvt. Ltd</b> 505, Raheja Arcade, Sector 11 CBD, Belapur, Navi Mumbai – 400 614 Tel: +91 22 6510 3668, Fax: +91 22 55939504 Mob: +9322238542 Email: RajShekhar.Chakravorty@jeppesen.com, info@jeppesen.com Website: www.jeppesen.com</p>
<p><b>M/s JM Maritime Services</b> 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</p>	<p><b>M/s Global Marine Infratech Pvt. Ltd.</b> Siksha Sandan, Ground Floor, ND-7, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +919937064299 Email: ashiskantha@gmiindia.in Web: www.gmiindia.in</p>
<p><b>Lift o Marine</b> Paper / Digital Charts Allen’s Mansion, Flat C6 Nungi Station Road Kolkata – 700 140, IN Tel: +91 9836972027 / 8902228463 Fax: 033 24924283 Email: sankar@liftmarine.org Web: www.liftmarine.org</p>	<p><b>M/s L. R. Marine Services</b> 301, 3rd Floor, Birya 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</p>
<p><b>M/s Engineering Logistics Executive Multi Services</b> Elems Charts, Door No: 61-4-45-A/4, Prakash Nagar Malkapuram Visakhapatnam – 530 011 Mob: +91 9133871827 Email: sales@elemscharts.in Web: www.elemscharts.in</p>	<p><b>M/s IIC Technologies Limited</b> B-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034 Tel: +91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com</p>
<p><b>M/s Aatash Computer &amp; Communications Pvt. Ltd.</b> 213, Devarc Commercial Complex Nr. Iscom Circle (above Woodland Showroom) S. G. Highway Ahmedabad – 380 015 Mob: +91 7926923982 Email: jyoti@aatash.com, zubin@aatash.com</p>	<p><b>M/s Zenith Surveys (I) Pvt. Ltd.</b> Lakhani’s Plam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com, nyvmane@yahoo.com Web: www.zenithsurvey.com</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 – 2012.

2. NAVAREA VIII Warnings in force as on 15 Feb 16:

<b><u>2015 SERIES</u></b> – 124 287 288 298 334 386 439 445 486 498 567 582 616 633 646 672 735 787 876
<b><u>2016 SERIES</u></b> – 020 027 031 044 054 059 062 063 064 065 068 069 071 079 085 090 091 098 099 100 101 102 104 105 106 107 108 109 110 111

3. NAVAREA VIII Warnings issued during the period from 01 Feb to 15 Feb 16 (both dates inclusive) are as tabulated below:–

<b>077. North Indian Ocean</b> – Chart INT 71. SLFV Lak Rajina reported adrift 29 Jan in vicinity of 05-07S 077-05E. 2. Cancel this MSG 021000 UTC Feb 16.
<b>078. India East Coast – Bay of Bengal.</b> Charts 31 355 391 3026 INT 706. Firing from Suryalanka scheduled on 04, 05, 11 and 12 Feb 16 from 0130 - 1630 UTC. 2. Danger area contained within radials 100 and 210 deg extending up to 60 NM from 15-50.5N 080-29.5E. 3. Cancel this MSG on 121730 UTC Feb 16.
<b>079. India West Coast – Mumbai ODA to Gulf of Khambhat.</b> Charts 292 INT 71. MV Flamboyant and Kamrup progressing survey till 29 Feb 16 in area bounded by 19-08.4N 071-51.7E, 19-12.9N 072-07.0E, 19-05.8N 072-18.0E, 18-45.4N 072-00.1E, 18-53.3N 071-49.3E and in vicinity of lines joining 19-12.8N 072-07.8E, 20-31.2N 072-41.3E, 20-53.5N 072-43.1E AND 19-38.3N 071-22.8E, 20-12.9N 071-56.4E, 20-42.8N 072-18.2E. 2. Wide berth requested.
<b>080. India East Coast – off Visakhapatnam.</b> Charts 31 32 308 354 3002 3012 INT 706. International Fleet Review 2016 is scheduled from 30 Jan - 08 Feb 16. Indian and Foreign Naval Ships are anchored/ manoeuvring at high speed in area bounded BY 17-41.30N 083-17.20E, 17-42.13N 083-18.40E, 17-43.75N 083-20.75E, 17-44.78N 083-20.95E, 17-46.80N 083-23.20E, 17-48.40N 083-24.00E, 17-39.60N 083-29.80E, 17-34.50N 083-21.60E. 2. Shipping to exercise caution and fishing vessels to keep clear of area. 3. Cancel NAVAREA 076 and this MSG 091000 UTC Feb 16.
<b>081. India West Coast – Narmada Channel in Gulf of Khambhat.</b> Charts 207 INT 71. Buoy number 1 (20-35.6N 071-56.3E), 2 (20-30.9N 071-58.7E) retrieved. Buoy 3 (20-40.58N 071-58.98E), 5 (20-47.89N 072-07.30E) relaid. Buoy 4 (20-44.5N 072-02.5E), 7(20-56.4N 072-06.9E) 9 (21-02.5N 072-09.2E) unlit. 2. Cancel NAVAREA 058.
<b>082. India West Coast – Mumbai High.</b> Charts 255 INT 71. HLS 2000 will progress platform installation till 06 Feb 16 in 19-39.49N 071-17.59E. 2. Cancel NAVAREA VIII 072/16.
<b>083. Cancel NAVAREA VIII 729 770/15 013 016 039/16 and this MSG.</b> INTM 059 (T) 055 (T) 057 (T) 056 (T) 058 (T) refers.
<b>084. NE Indian Ocean.</b> Chart INT 71. Moored buoy Rama adrift 010300 UTC Feb 16 in vicinity of 00-06.5N 085-46.2E. 2. Cancel this MSG 041000 UTC Feb 16.
<b>085. India West Coast – Gulf of Khambhat.</b> Charts 254 INT 71. MV Navis King reported total blackout anchored in position 21-38.12N 072-26.80E 2. Vessel transiting through area to exercise caution.
<b>086. India West coast – off Trivandrum.</b> Charts 22 222 INT 71. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled from 101230-101430 UTC Feb 16. 2. Danger zone (a) Sector of radius 05 NM from Thumba between azimuth 190 and 300. (b) Sector of radii 45 and 75 NM from Thumba between azimuth 220 and 260. 3. Cancel this MSG 101530 UTC Feb 16.
<b>087. NE Indian Ocean.</b> Chart INT 71. Moored buoy Rama adrift 040400 UTC Feb 16 in vicinity of 00-15.61N 086-07.44E. 2. Cancel this MSG 081000 UTC Feb 16.
<b>088. NAVAREA VIII Warnings in Force as on 05 Feb 16</b> <b><u>2015 Series</u></b> – 124 287 288 298 334 386 439 445 486 498 567 582 616 633 646 672 735 787 876 <b><u>2016 series</u></b> – 015 020 027 031 044 054 059 062 063 064 065 068 069 070 071 073 074 078 079 080 081 082 085 086 087 (a) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet. (b) Text of NAVAREA VIII warnings in force including those which no longer broadcast available in

<b>088.</b>	<b>Continued.</b> www.hydrobharat.nic.in. (c) Cancel this MSG 121000 UTC Feb 16.																																																																
<b>089.</b>	<b>India.</b> National AIS will be off on 10 Feb from 0430 – 1430 UTC. 2. Cancel this MSG 101530 UTC Feb 16.																																																																
<b>090.</b>	<b>India West Coast – Mumbai High.</b> Charts 255 INT 71. HLS 2000 progressing platform installation till 25 Feb in position 19-37.3N 071-20E. 2. Cancel NAVAREA VIII 082/16.																																																																
<b>091.</b>	<b>India West Coast.</b> Charts 292 INT 71. Rig list correct at 081000 UTC Feb 16. <table border="0"> <tr><td>ABAN ICE</td><td>18-55.01N 070-18.95E</td></tr> <tr><td>ABAN III</td><td>19-29.98N 071-16.28E</td></tr> <tr><td>ABAN IV</td><td>19-29.79N 071-19.83E</td></tr> <tr><td>CE THORNTON</td><td>19-40.10N 072-18.89E</td></tr> <tr><td>DISCOVERY-1</td><td>19-12.50N 072-02.24E</td></tr> <tr><td>DYNAMIC VISION</td><td>18-38.20N 071-00.92E</td></tr> <tr><td>DEEP SEA FORTUNE</td><td>19-40.14N 072-00.34E</td></tr> <tr><td>DEEP SEA FOSSIL</td><td>19-01.73N 071-25.58E</td></tr> <tr><td>FG MCCLINTOCK</td><td>18-58.31N 071-29.99E</td></tr> <tr><td>GREAT DRILL CHAAYA</td><td>18-40.10N 072-13.59E</td></tr> <tr><td>GREAT DRILL CHETNA</td><td>21-37.38N 068-26.55E</td></tr> <tr><td>GREAT DRILL CHITRA</td><td>19-19.37N 072-02.07E</td></tr> <tr><td>GREAT DRILL CHAARU</td><td>20-07.04N 071-49.35E NEW</td></tr> <tr><td>HARVEY H WARD</td><td>18-48.40N 072-20.00E</td></tr> <tr><td>JINDAL STAR</td><td>19-15.26N 071-21.90E</td></tr> <tr><td>JT ANGEL</td><td>22-36.89N 068-26.06E</td></tr> <tr><td>MERCURY FOCUS</td><td>21-18.12N 072-31.64E</td></tr> <tr><td>NOBLE ED HOLT</td><td>19-01.90N 071-32.57E</td></tr> <tr><td>PARAGON L-786</td><td>19-29.88N 071-24.70E</td></tr> <tr><td>PARAGON M 1161</td><td>19-28.98N 071-19.63E NEW</td></tr> <tr><td>RON TAPMEYAR</td><td>19-08.72N 072-07.03E NEW</td></tr> <tr><td>SAGAR GAURAV</td><td>20-20.45N 071-15.40E</td></tr> <tr><td>SAGAR SHAKTI</td><td>19-39.70N 071-04.71E</td></tr> <tr><td>SAGAR JYOTI</td><td>19-25.14N 071-15.83E</td></tr> <tr><td>SAGAR KIRAN</td><td>18-44.50N 072-19.63E</td></tr> <tr><td>SAGAR LAXMI</td><td>20-58.00N 071-33.00E</td></tr> <tr><td>SAGAR PRAGATI</td><td>20-58.00N 071-33.00E</td></tr> <tr><td>SAGAR UDAY</td><td>19-06.54N 071-22.35E</td></tr> <tr><td>TRIDENT XII</td><td>19-25.23N 071-16.99E</td></tr> <tr><td>VICTORY DRILLER</td><td>18-31.95N 072-15.23E</td></tr> <tr><td>VIRTUE-I</td><td>19-26.06N 071-24.26E</td></tr> <tr><td>VALIANT DRILLER</td><td>19-38.88N 071-21.03E</td></tr> </table> 2. Wide berth requested. 3. Cancel NAVAREA VIII 074.	ABAN ICE	18-55.01N 070-18.95E	ABAN III	19-29.98N 071-16.28E	ABAN IV	19-29.79N 071-19.83E	CE THORNTON	19-40.10N 072-18.89E	DISCOVERY-1	19-12.50N 072-02.24E	DYNAMIC VISION	18-38.20N 071-00.92E	DEEP SEA FORTUNE	19-40.14N 072-00.34E	DEEP SEA FOSSIL	19-01.73N 071-25.58E	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	19-19.37N 072-02.07E	GREAT DRILL CHAARU	20-07.04N 071-49.35E NEW	HARVEY H WARD	18-48.40N 072-20.00E	JINDAL STAR	19-15.26N 071-21.90E	JT ANGEL	22-36.89N 068-26.06E	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	19-28.98N 071-19.63E NEW	RON TAPMEYAR	19-08.72N 072-07.03E NEW	SAGAR GAURAV	20-20.45N 071-15.40E	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	19-06.54N 071-22.35E	TRIDENT XII	19-25.23N 071-16.99E	VICTORY DRILLER	18-31.95N 072-15.23E	VIRTUE-I	19-26.06N 071-24.26E	VALIANT DRILLER	19-38.88N 071-21.03E
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VALIANT DRILLER	19-38.88N 071-21.03E																																																																
<b>092.</b>	<b>India West Coast – off Tapti ODA.</b> charts 21 210 INT 71. Firing by CG aircraft scheduled on 09 Feb 16 from 0330-1130 UTC in area bounded by 20-18.5N 072-02.5E, 20-18.5N 072-15.0E, 20-09.5N 072-12.0E, 20-09.5N 072-00.0E. 2. Safe flying Ht 2 KM. 3. Cancel this MSG 091230 UTC Feb 16.																																																																
<b>093.</b>	<b>NE Indian Ocean.</b> Chart INT 71. Moored buoy Rama adrift 080400 UTC Feb in vicinity of 00-17.5N 088-01.8E. 2. Cancel this MSG 111000 UTC Feb 16.																																																																
<b>094.</b>	<b>India West Coast – Narmada Channel in Gulf of Khambhat.</b> Charts 207 INT 71. Buoy number 4 (20-44.5N 072-02.5E) retrieved. Buoy 1 (20-35.50N 071-56.26E), 2 (20-36.61N 071-58.45E) relaid. Buoy 7(20-56.4N 072-06.9E), 9 (21-02.5N 072-09.2E) unlit. 2. Cancel NAVAREA 081.																																																																
<b>095.</b>	<b>NE Indian Ocean.</b> Chart INT 71. Moored buoy Rama adrift 090400 UTC Feb in vicinity of 00-07.99S 088-28.75E. 2. Cancel NAVAREA VIII 093 and this MSG 121000 UTC Feb 16.																																																																
<b>096.</b>	<b>India West Coast – Ratnagiri.</b> Charts 256 INT 71. INS Makar progressing hydrographic survey till 15 Feb in area bounded by 16-51.5N 073-03.5E, 16-51.5N 073-19.8E, 17-12.7N 073-19.8E, 17-12.7N 073-03.5E. 2. Wide berth of 03 NM requested. 3. Cancel this MSG 151830 UTC Feb 16.																																																																
<b>097.</b>	<b>NE Indian Ocean.</b> Chart INT 71. Moored buoy Rama adrift 100400 UTC Feb in vicinity of 00-32.47S 088-46.19E. 2. Cancel NAVAREA VIII 095.																																																																

<p><b>098. India East Coast – Bay of Bengal.</b> Charts 31 INT 71. Experimental flight trial scheduled from ITR on 16 and 17 Feb 16 from 0230-0630 UTC in danger zone bounded by 21-22.23N 086-55.72E, 21-08.83N 086-53.14E, 20-48.21N 087-14.71E, 19-35.63N 087-53.52E, 20-00.29N 088-28.64E, 20-56.11N, 087-25.93E, 21-21.31N 087-10.84E, 21-22.69N 086-56.38E.</p> <p>2. No over flight and shipping permitted in danger zone.</p> <p>3. Cancel this MSG 170730 UTC Feb 16.</p>
<p><b>099. Andaman Sea – off South Andaman.</b> Charts 473 INT 71. Firing practice scheduled daily from 17 – 18 Feb 16 from 0430-0930 UTC in danger area bounded by 11-50N 093-40E, 11-50N 094-20E, 12-00N 093-40E, 12-00N 094-20E. Safe flying Ht 5 KM.</p> <p>2. Cancel this MSG 181030 UTC Feb 16.</p>
<p><b>100. India West Coast – off Karwar.</b> Charts 293 INT 71. RV Samudra Ratnakar will progress survey and sampling from 14 - 27 Feb in area bounded by 14-30.3N 072-39.2E, 14-30.5N 073-03.2E, 13-56.5N 073-15.4E, 13-55.4N 072-52.2E.</p> <p>2. Wide berth requested.</p>
<p><b>101. India East Coast – off Balasore.</b> Charts 31 INT 71. INS Nirupak progressing hydrographic survey till 21 Feb in area bounded by 20-31.5N 087-28.0E, 20-44.8N 087-44.9E, 21-12.0N 087-44.6E, 21-12.0N 086-58.0E.</p> <p>2. Wide berth requested.</p>
<p><b>102. Bay of Bengal – off Bassein River.</b> Charts 371 INT 706. MV Ramform Titan progressing seismic survey till 15 Apr 16 in area bounded by 16-37.86N 093-57.78E, 16-00.24N 093-38.64E, 16-00.12N 092-08.82E, 16-45.06N 092-08.82E, 16-45.00N 093-57.72E. Vessel towing 18 cables 7.1 KM long.</p> <p>2. Wide berth requested.</p>
<p><b>103. India West Coast – Narmada Channel in Gulf of Khambhat.</b> Charts 207 INT 71. Buoy number 4 (20-44.5N 072-02.5E) retrieved. Buoy 7(20-56.4N 072-06.9E), 9 (21-02.5N 072-09.2E), 5 (20-48N 072-07E), 8 (20-59N 072-07E) unlit.</p> <p>2. Cancel NAVAREA 094.</p>
<p><b>104. NAVAREA VIII Warnings in Force as on 12 Feb 16</b>  <b>2015 Series</b> – 124 287 288 298 334 386 439 445 486 498 567 582 616 633 646 672 735 787 876  <b>2016 Series</b> – 015 020 027 031 044 054 059 062 063 064 065 068 069 070 071 079 085 090 091 096 097 098 099 100 101 102 103  (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.nic.in">www.hydrobharat.nic.in</a>.  (c) Cancel this MSG 191000 UTC Feb 16.</p>
<p><b>105. India East Coast – off Porto Novo.</b> Charts 357 INT 71. RV Samudra Kaustubh progressing survey till 19 Feb in area bounded by 11-24.5N 079-50.6E, 11-24.5N 079-57.2E, 11-13.6N 079-57.2E, 11-13.6N 079-52.1E.</p> <p>2. Wide berth requested.</p>
<p><b>106. India West Coast – off Karwar.</b> Charts 22 293 INT 71. Firing by Naval ships scheduled on:-  (a) 192330 - 200730 UTC Feb 16 in area bounded by 13-56.20N 074-13.60E, 14-07.20N 074-25.07E, 14-07.20N 074-13.60E, 13-55.20N 074-25.07E.  (b) 200530 – 201330 UTC Feb 16 in area bounded by 14-08N 072-55E, 14-38N 072-42E, 14-50N 073-12E, 14-22N 073-28E.</p> <p>2. No vessels permitted in danger area.</p> <p>3. Cancel this MSG 201430 UTC Feb 16.</p>
<p><b>107. India West Coast – Narmada Channel.</b> Charts 207 INT 71. Buoy number 4 (20-44.5N 072-02.5E) retrieved. Buoy 7(20-56.4N 072-06.9E), 8 (20-59N 072-07E), 9 (21-02.5N 072-09.2E) unlit.</p> <p>2. Cancel NAVAREA 103.</p>
<p><b>108. India West Coast – off Alleppey.</b> Charts 221 INT 71. Thottapally Lt (09-19N 076-22E) unlit.</p>
<p><b>109. Bay of Bengal – off Myanmar.</b> Charts 371 INT 706. SV Dong Fang Kan Tan progressing seismic survey till 02 Mar 16 in area bounded by 17-02.24N 093-46.51E, 17-02.17N 094-02.62E, 16-41.10N 094-12.33E, 16-00.31N 094-05.51E, 15-42.48N, 093-58.52E, 15-42.51N 093-53.08E, 15-56.30N 093-49.14E, 15-56.26N 092-02.23E, 16-49.64N 092-02.08E, 16-49.69N 093-46.45E.</p> <p>2. Wide berth requested.</p> <p>3. Cancel this MSG 021830 UTC Mar 16.</p>
<p><b>110. India West Coast – Lakshadweep Sea.</b> Charts 22 INT 71. RV MGS Sagar progressing survey till 25 Mar 16 in area bounded by 08-58.45N 074-42.67E, 08-58.80N 075-59.78E, 07-00.13N 077-26.75E, 07-50.17N 074-43.38E, 07-51.60N 074-56.22E, 06-57.78N 075-23.22E.</p> <p>2. Wide berth requested.</p>
<p><b>111. Cancel NAVAREA VIII 070 097 and this MSG.</b></p>

**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
	KHOWR-E MUSA						
D7648	- Khowr-e Musa	29 37.02 N 49 33.97 E	Fl W 12s	..	21	Red light vessel	
*	*	*	*	*	*	*	*
D7679.5	Bandar -e Taheri	27 39.14 N 52 21.55 E	Fl W 10s	15	10		
		*		*	*		
D9226	Deleted; remove from list						
D9231	Deleted; remove from list						
F0969.2	- Transit. Front	17 37.48 N 83 13.76 E	QW	39	12	White 4 – sided framework tower, red band 14	
				*			
F0969.21	- - Rear. 500 m from front	17 37.46 N 83 13.47 E	QW	52	12	White 4 – sided framework tower, red band 29	
				*			
F1674.45	Deleted; remove from list						

## SECTION – VIII

### CORRECTION TO LIST OF RADIO SIGNALS



**INP 31(1), 2014**

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

**PAGE 33, OMAN, Contacts table**

Delete and replace by:

**OMAN**

<b>MASQAT (MUSCAT) (WATTAYAH RADIO STATION) (A4M)</b>		<b>23° 36'.40N 58° 30'.12E</b>	
		OBS	
 +968 24571400, +968 24571500, +968 24571300		 +968 24562995	
CALL: Muscat Radio			
TELEX: 5310 MUSRAD ON			
NOTES: 1. Station accepts <b>Ship's Weather Reports</b> addressed OBS MET SEEB; reports can also be sent by FAX to +968 24519363 addressed for attention of Duty Forecaster, OBS MET SEEB, Muscat International Airport. 2. Accepts LOCUST REPORTS – see Locust Reports by Radio			

**VHF**

Al Ashkara	Ch 16 81 86	21°51'N 59°34'E
Khasab	Ch 16 23 82	26°09'N 56°14'E
Masqat (Wattayah)	Ch 01 03 04 16 26 27	23°37'N 58°30'E
Salalah	Ch 16 26 27	17°01'.97N 54°15'.65E
HOURS OF WATCH: Ch 16 (H24)		

**RT (MF)**

	Transmits	Receives	Hours of Watch
	2182 2604 <b>2607</b> 3742 3745	2182	H24
TRAFFIC LISTS: 2182 kHz:0403 0703 1103 1703			

**RT (HF)**

	Transmits	Receives	Hours of Watch
	4366 (Ch 404)	4074	1500-0300
	4417 (Ch 421)	4125	
	8779 (Ch 821)	8255	0300-1500
	8788 (Ch 824)	8264	

**WT (MF)**

	Transmits	Receives	Hours of Watch
	<b>442.5</b> 521.5 500	454 500	H24
TRAFFIC LISTS: 442.5 kHz: every even H+00			

**WT (HF)**

	Transmits	Receives	Hours of Watch
	<b>4233</b>	4 MHz (3 4 5 6)	0400-0500 1500-1700
	<b>8445</b>	8 MHz (3 4 5 6)	0500-0700 1300-1500
	<b>12675.5</b>	12 MHz (3 4 5 6)	0700-0900 1100-1300
	<b>17223.4</b>	16 MHz (3 4 5 6)	0900-1100
TRAFFIC LISTS: 4233 kHz: 0400 1500 8445 kHz: 0500 1300 12675.5 kHz: 0700 1100 17223.4kHz: 0900			
NOTE: The channels that a Coast Radio Station keeps watch are indicated in brackets following the band. For example, the 4 MHz (3 4 5 6) indicates that a watch is maintained on Channels 3, 4, 5 and 6 of the 4 MHz band.			

(Source: BA 06/16)

(04/16)



8.2

**INP 31(2), 2014**

*(Last correction: Edition No. 03 dated 01 Feb 2016)*

**NIL**

**INP 31(5), 2011**

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

**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.gov.in, msi-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 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.

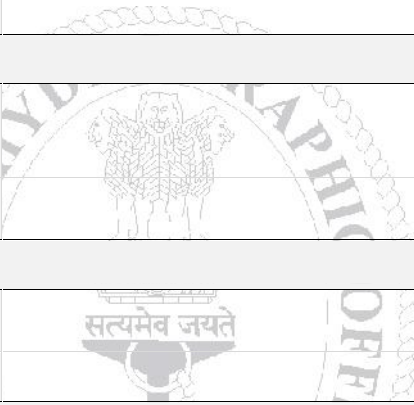
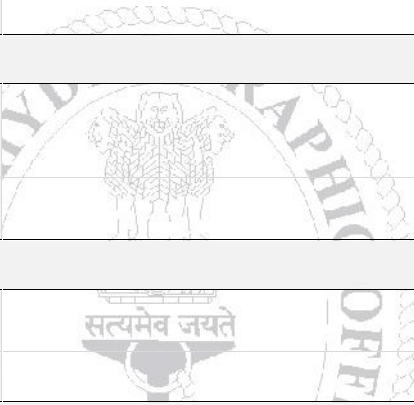


<b>HYDROGRAPHIC NOTE</b>				<b>IH.102 (Revised 2012)</b>	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object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

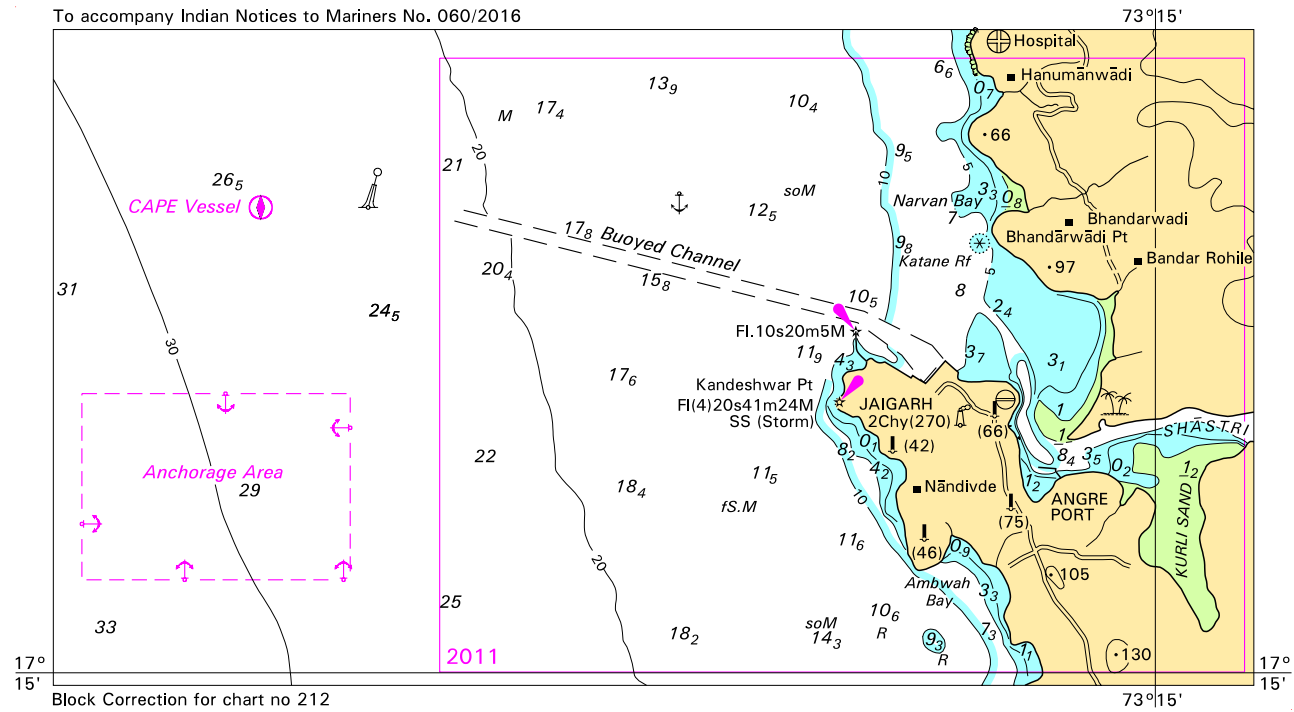
<b>HYDROGRAPHIC NOTE FOR PORT INFORMATION</b> (To accompany Form IH.102)		<b>IH.102A</b> (Revised 2012)	
Date		Ref. No.	
Name of the Ship or Sender			
Address			
Tel/Fax/E-mail			
<b>1. NAME OF PORT</b>			
Location	Latitude		Longitude
<b>2. GENERAL REMARKS</b>			
Principal activities and trade			
Number 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	



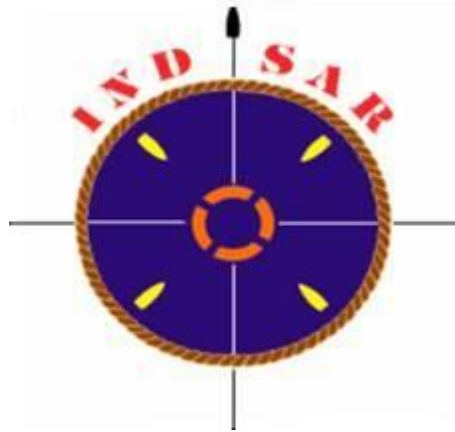
<b>14. RESCUE &amp; DISTRESS</b>	
Salvage, Lifeboat, Life guards, etc	
<b>15. SUPPLIES</b>	
Fuel (Type, Quantities & Method of delivery)	
Fresh water (Method of delivery and Rate of supply)	
Provisions	
Chart agents	
<b>16. COMMUNICATIONS</b>	
Road, Rail and Air services available	
Nearest airport or 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>	

To accompany Indian Notices to Mariners No. 060/2016



Block Correction for chart no 212





**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**