

# INDIAN NOTICES TO MARINERS



EDITION NO. 24 DATED 16 DEC 2016

(CONTAINS NOTICES 208 TO 209)

REACH US 24 x 7



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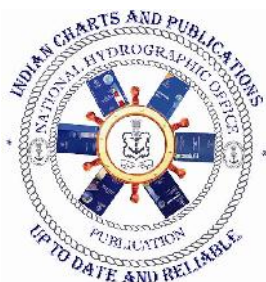
[www.hydrobharat.gov.in](http://www.hydrobharat.gov.in)

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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  
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## II

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

Observing changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Government of India at the above mentioned address/fax number/ E mail address immediately on discovering new or suspected dangers to navigation, changes/defects pertaining to navigational aids, and shortcomings in Indian charts/publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section IX with this notice. Also visit our website for downloading and filling up instructions for Hydrographic Note.

**Chief Hydrographer  
to the Government of India**

### **WARNING AGAINST USE OF COUNTERFEIT PRODUCTS**

**All mariners are cautioned against the use of counterfeit copies of IN Charts and publications. Navigational Charts produced after 31 Oct 14 carry NHO crest as watermark on the reverse with backslip. Chart Agent's stamp is mandatory on all Charts.**

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

**Mariners are strongly advised not to use or encourage the use of counterfeit charts and publications. Failure to comply with the warning may invite legal action.**

### III

## **EXPLANATORY NOTES**

**Corrections to Charts and Publications.** Section I comprises List of Charts affected by the notices contained in this edition. Whereas sections II and III contain information for correcting the charts and publications. Mariners should insist on corrected charts from their chart distributors/agents.

- (a) Geographical positions given are in the horizontal datum of the current edition of the chart, unless otherwise stated.
- (b) Bearings are true, reckoned clockwise from 000° to 359°. Bearings to lights are from seaward.
- (c) Symbols referred to, are those shown on the chart 5020 (INT 1).
- (d) Alterations to depth contours, deletion of depths to make way for new detail, etc; are not normally mentioned, unless they have some navigational significance.
- (e) Blocks and notes, if any, accompanying the Notices in Sections II and III are placed after Section IX.

**Temporary and Preliminary Notices.** These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. SI Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

**Source of Information.** A star preceding the number of a Notice indicates that the notice is promulgated by INHO based on original information received.

**Sailing Directions.** Corrections for the Sailing Directions (Pilots) are given in Section VI.

**Lights.** Corrections to Indian List of Lights are given in Section VII, where affected Light List number is quoted.

- (a) These corrections should be incorporated as per instructions given on page XI of the List of Lights.
- (b) Such correction notices to list of lights may be published in either an earlier or a later Edition of N to M than the Edition containing the Notice to the chart correction.
- (c) The range of a light given is its nominal range. Its geographical range is given in parenthesis only if it is less than the nominal range.
- (d) A star indicates that the corresponding field is to be amended and all stars indicate that new light is to be inserted.

**Radio Signals.** The corrections in Section VIII should be cut and pasted in the appropriate volume of the List of Radio Signals.

**Radio Navigational Warnings.**

- (a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.
- (b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.
- (c) It should be borne in mind that they may be based on reports which cannot always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

## IV

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

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

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

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

**Use of Global Positioning System (WGS 84) positions.**

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

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

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

## NEWLY PUBLISHED INDIAN CHARTS, ENC'S AND PUBLICATION

1. The new Indian 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>
IN62124S	2124	SALAYA CHANNEL	09-12-2016

2. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2009	BETUL ANCHORAGE; BELEKERI ANCHORAGE	30,000	New Chart
2017	NAVLAKHI & APPROACHES	25,000	New Edition
2018 (INT 7321)	APPROACHES TO KANDLA	37,500	New Chart
2059 (INT 7322)	KANDLA CREEK	15,000	New Edition
	KANDLA SOGAL CHANNEL	20,000	
2118	AZHIKKAL PORT	7,500	New Chart
	AZHIKKAL ANCHORAGE	37,500	
2119	BEYPORE PORT	7,500	New Chart
	BEYPORE ANCHORAGE	25,000	
3004 (INT 7403)	CHENNAI HARBOUR	15,000	New Edition
3013 (INT 7422)	HUGLI RIVER – HALDIA TO KUKRAHATTI REACH	37,500	New Chart
4010	DUGONG CREEK; HUT BAY	25,000	New Chart
4017	EXPEDITION AND GRAND HARBOURS	12,500	New Edition

### 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: www.hydro.gov.uk	<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: enc@jeppesen.com, info@c-map.co.no Website: www.jeppesen.com
<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: data@ecc.no Website: - www.primar.org	<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: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com

**SECTION – I**

The list of charts affected by the Notices 208 to 209 contained in this edition is as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
410	7	209
411	7	209
451	7	209
452	7	209
2034 (INT 7439)	2	208
4019	7	209



**SECTION – II****PERMANENT NOTICES****\*208 (24/16) INDIA – WEST COAST – Hazira Port – Safety Zone.**

Source: Hazira Port Pvt. Ltd.

**Chart 2034 (INT 7349)** [previous update NE 29 Feb 2016]

Insert                    circular limit of safety zone,  $\text{TTTTTT}$ , of radius 200 meter centered on:                     $21^{\circ} 05' \cdot 68\text{N.}, 72^{\circ} 37' \cdot 09\text{E.}$

                                 legend, "Safety Zone", centered on:                     $21^{\circ} 05' \cdot 65\text{N.}, 72^{\circ} 37' \cdot 10\text{E.}$

**\*209 (24/16) ANDAMAN SEA – BURMA – Gulf of Martaban – Rangoon River & Approaches – Buoys.**

Source: Myanmar Hydrographic Centre.

**Chart 451** [previous update 173/16]

Move                     *Fl. G. 3s*                    from:                     $16^{\circ} 21' \cdot 50\text{N.}, 96^{\circ} 19' \cdot 50\text{E.}$   
                                 *Upper Float*                     $16^{\circ} 20' \cdot 50\text{N.}, 96^{\circ} 20' \cdot 10\text{E.}$   
to:

**Chart 452** [previous update 173/16]

Move                     *Fl. G. 3s*                    from:                     $16^{\circ} 21' \cdot 50\text{N.}, 96^{\circ} 19' \cdot 50\text{E.}$   
                                 *Upper Float*                     $16^{\circ} 20' \cdot 50\text{N.}, 96^{\circ} 20' \cdot 10\text{E.}$   
to:

**Chart 410** [previous update 188/16]

Move                     *Fl. G. 3s*                    from:                     $16^{\circ} 21' \cdot 50\text{N.}, 96^{\circ} 19' \cdot 50\text{E.}$   
                                 *Upper Float*                     $16^{\circ} 20' \cdot 50\text{N.}, 96^{\circ} 20' \cdot 10\text{E.}$   
to:

**Chart 411** [previous update 188/16]

Move                     *Fl. G. 3s*                    from:                     $16^{\circ} 21' \cdot 50\text{N.}, 96^{\circ} 19' \cdot 50\text{E.}$   
                                 *Upper Float*                     $16^{\circ} 20' \cdot 50\text{N.}, 96^{\circ} 20' \cdot 10\text{E.}$   
to:

**Chart 4019** [previous update 188/16]

Insert                     *Fl. G. 2s*                     $16^{\circ} 22' \cdot 32\text{N.}, 96^{\circ} 21' \cdot 93\text{E.}$   
                                 *Intermediate*

 *Fl. R. 4s*                     $16^{\circ} 22' \cdot 87\text{N.}, 96^{\circ} 21' \cdot 65\text{E.}$   
                                 *Additional Lower Western*

                     $16^{\circ} 23' \cdot 17\text{N.}, 96^{\circ} 21' \cdot 65\text{E.}$

Move                     *Fl. G. 3s*                    from:                     $16^{\circ} 21' \cdot 42\text{N.}, 96^{\circ} 19' \cdot 68\text{E.}$   
                                 *Upper Float*

to:                     $16^{\circ} 20' \cdot 42\text{N.}, 96^{\circ} 20' \cdot 28\text{E.}$

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

**NIL**





## **SECTION – IV** **MARINE INFORMATION**

### 1. **NAVTEX TRANSMISSION**

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

Mumbai - Temporarily Out of Operation

Chennai - Temporarily Out of Operation

Mauritius (Cassis) - Operational

Seychelles (Mahe) - Temporarily Out of Operation

Following new Navtex stations along the Indian coast are operating on trial basis:-

<b>INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz</b>								
<b>Sl.</b>	<b>Station Name</b>	<b>B1</b>	<b>Broad Cast Timings in UTC</b>					
(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 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.

**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: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p><b>M/s VDO Marine Instruments</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: atmain@md4.vsnl.net.in</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>E.W.Liner Charts &amp; Publication (India)</b> 2/524, Sandeep Road, Chinna Neelangarai, Chennai - 600041 Tele: +91-44-24490668 Fax: +91-44-24491668 Mob No : +91-9003245348 Email: ewl-india@ewliner.com Web: www.ewliner.com</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: vijay@ccmarine.in, sales@ccmarine.in</p>	<p><b>Gujarat Pipavav Port Limited</b> PO – Uchchaiya, 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.50-81-48/4, Seetammapeta, Visakhapatnam – 530 016 Tel/ Fax: 0891-2799471, Cell: +91-9849120988, 9885797333 Email : mahalakshmitravels99@gamil.com</p>	<p><b>SMS Marine Private Ltd</b> 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel/ Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@smsmarine.co.in, raj_chakravorty@yahoo.com Web: www.smsmarine.co.in</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> Ground Floor, Siksha Sandan, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +91-9337477799, 7077702499 Email: tusarkantha@gmiindia.in Web: www.gmiindia.in</p>
<p><b>Lift o Marine</b> Allen’s Mansion, Flat C6 Nungi Station Road, Bata Nagar Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: sankar@liftmarine.org Web: www.liftmarine.org</p>	<p><b>M/s L. R. Marine Services</b> 301, 3rd Floor, Biry House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-6635 9148 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com</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> 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana 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 Dec 16:

**2015 SERIES** – 287 334 386

**2016 SERIES** – 064 432 464 474 475 572 644 685 694 702 703 710 716 721 723 729 733 735 737  
739 740 742 747 748 750 754 760 761 762 764 765 766 767 768 769 770

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

**737. Bay of Bengal – Yangon River Approaches.** Charts 41 4019 INT 71. Upper float Fl G 3s (16-20.5N 096-20.1E) intermediate Fl G 2s (16-22.40N 096-21.75E) additional lower western Fl R 4s (16-22.95N 096-21.47E) buoys re-laid. Red (16-23.25N 096-21.47E) and green (16-22.60N 096-21.80E) conical buoys laid. Thura Phyto Kyaw Lin wreck buoy (16-24N 096-21E) adrift.

2. Cancel NAVAREA VIII MSG 719.

**738. India West Coast – Mumbai to Okha.** Charts 255 291 292 INT 71. SV Fugro Mapper progressing survey in vicinity of 22-29N 068-07E, 20-09N 071-45E, 19-57N 072-09E, 19-35N 071-23E, 19-34N 071-07E, 19-28N 071-19E, 19-28N 071-11E, 19-15N 070-52E, 19-13N 072-07E, 19-12N 072 11E, 19-12N 072-06E, 19-09N 072-07E, 19-08N 071-52E, 19-05N 071-54E, 19-01N 071-32E, 18-56N 072-02E, 18-42N 072-20E, 18-40N 072-14E, 18-40N 072-13E, 18-36N 071-02E, 18-36N 071-01E, 18-32N 072-15E.

2. Wide berth requested.

3. Cancel NAVAREA 669 and this MSG 311830 UTC Dec 16.

**739. South Indian Ocean.** Chart INT 70. RV Pourquoi Pas progressing survey using ROV in area bounded within 27-46S to 28-00S and 064-25E to 064-44E.

2. Wide berth of 02 NM requested.

3. Cancel this MSG 051830 UTC Jan 17.

**740. India East Coast – off Kakinada.** Charts 31 INT 706. MV ME Queen and Sai Sowbaghya progressing geophysical survey in areas bounded by 16-24.7N 082-00.3E, 16-23N 082-02.2E, 16-23.3N 082-02.5E, 16-24.6N 082-00.7E and 16-23N 082-02.2E, 16-09.6N 082-11.1E, 16-14.1N 082-16.1E, 16-23.3N 082-02.5E .

2. Wide berth requested.

3. Cancel this MSG 311830 UTC Jan 17.

**741. India East Coast – Vishakhapatnam.** Charts 31 308 3002 INT 71. Firing by Naval Coast Battery scheduled on 07 Dec 16 from 0630 - 1030 UTC in danger sector extending up to 15 NM between bearing 070 and 130 from 17-42N 083-18E.

2. Cancel this MSG 071130 UTC Dec 16.

**742. India East Coast – off Gopalpur.** Charts 31 352 353 3005 INT 706. Army Air Defence firing and BPTA flight scheduled on 08, 09, 10, 13, 14, 15,16,21,22,23,29,30,31 Dec 16 from 0130-0730 and 0830-1430 UTC.

2. Firing area bounded by (a) 19-14.60N 084-53.70E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and arc of 41 NM radius joining point (b) and (c).

3. Cancel this MSG 311530 UTC Dec 16.

**743. India West Coast – Ne Arabian Sea.** Charts 21 209 254 INT 71. Firing by CG Aircraft scheduled on 06 Dec 16 from 0330-0430 UTC in danger area bounded within 20-26N to 20-40N and 072-27E to 072-40E.

2. Cancel this MSG 060530 UTC Dec 16.

**744. India East Coast – Hugli River.** Charts 301 3011 INT 71. Sagar DGPS off 04 Dec 16 from 0030-0830 UTC.

2. Cancel this MSG 040930 UTC Dec 16.

**745. India East Coast – off Balasore.** Charts 31 352 INT 71. Experimental flight trial scheduled daily from 07-10 Dec 16 between 0430 – 0630 and 0900 – 1100 UTC in danger zone bounded by 21-12.59N 086-46.15E, 20-05.32N 087-20.85E, 21-02.54N 088-22.30E, 21-35.59N 087-10.70E.

2. Cancel this MSG 101200 UTC Dec 16.

**746. NAVAREA VIII Warnings in Force as on 02 Dec 16.**

**2015 Series** - 287 334 386

**2016 Series** - 064 432 464 474 475 572 644 685 694 702 703 705 710 716 721 723 726 729  
732 733 734 735 736 737 738 739 740 741 742 743 744 745

(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 [www.hydrobharat.gov.in](http://www.hydrobharat.gov.in).

<b>746. Continued.</b>
2. Cancel this MSG 091000 UTC Dec 16.
<b>747. Andaman Sea – Stewart Sound.</b> Charts 41 403 INT 706. INS Investigator progressing Hydrographic survey in area bounded within 12-42.3N to 13-08.9N and 092-52E to 093-09.8E.
2. Wide berth of 3 NM requested.
3. Cancel this MSG 231830 UTC Dec 16.
<b>748. India West Coast – Gulf of Kachchh.</b> Charts 203 INT 71. National Pollution Response Exercise scheduled on 06,07,19,21 Dec 16 in area bounded within 22-39N to 22-42.6N and 069-35.2E to 069-42E.
2. Caution advised.
3. Cancel this MSG 211830 UTC Dec 16.
<b>749. Lakshadweep Sea – off Colombo.</b> Charts 23 263 INT 71. Firing practice scheduled on 08 Dec 16 from 0330 to 0730 UTC in danger area bounded within 06-35N to 06-50N and 079-25E to 079-39E.
2. Cancel this MSG 080830 UTC Dec 16.
<b>750. India East Coast – Central Bay of Bengal.</b> Charts 32 INT 71. Firing by CG Aircraft scheduled daily from 08 - 14 Dec and 22 – 31 Dec 16 from 0130 - 1130 UTC in danger area bounded within 13-30N to 14-30N and 082-00E to 082-40E.
2. Cancel this MSG 311230 UTC Dec 16.
<b>751. India West Coast – Ne Arabian Sea.</b> Charts 21 209 254 INT 71. Firing by CG Aircraft scheduled on 06 Dec 16 from 0530-0630 UTC in danger area bounded within 20-26N to 20-40N and 072-27E to 072-40E.
2. Cancel NAVAREA VIII 743 and this MSG 060730 UTC Dec 16.
<b>752. India West Coast.</b> Charts 255 292 INT 71. Rig list correct at 051006 UTC Dec 16.
ABAN ICE 19-04.32N 071-32.15E NEW
GREAT DRILL CHAARU 19-11.99N 072-11.15E NEW
VIVEKANANDA-1 20-32.06N 072-09.16E
VIVEKANANDA-2 19-34.16N 071-07.97E
ABAN III 18-55.53N 072-18.18E
ABAN IV 18-43.45N 072-22.32E
ACTINIA 18-37.77N 071-27.17E
CE THORNTON 18-42.32N 072-20.29E
DISCOVERY-1 20-18.78N 072-02.12E
DYNAMIC VISION 19-11.03N 072-11.12E
DEEP SEA FORTUNE 19-35.35N 071-23.25E NEW
DEEP SEA FOSSIL 19-20.38N 071-25.41E
FG MCCLINTOCK 19-37.33N 071-19.97E
GREAT DRILL CHAAYA 18-36.12N 071-01.59E NEW
GREAT DRILL CHETNA 19-29.06N 072-00.47E
GREAT DRILL CHITRA 18-55.98N 070-45.97E
HARVEY H WARD 18-34.57N 072-16.74E
JINDAL STAR 19-13.21N 072-10.52E
JT ANGEL 22-25.98N 068-33.14E
MERCURY FOCUS 21-15.78N 072-34.01E
NOBLE ED HOLT 20-11.31N 071-52.15E
PARAGON L-786 19-30.07N 071-21.63E
PARAGON M 1161 19-18.33N 071-27.31E
PARAMESWARA 20-01.85N 071-37.94E
RON TAPMEYAR 19-35.10N 071-19.53E
ROWAN LOUISIANA 19-34.41N 071-41.04E
SAGAR GAURAV 19-11.12N 071-33.22E
SAGAR SHAKTI 19-15.09N 070-52.83E
SAGAR JYOTI 19-11.05N 072-08.03E
SAGAR KIRAN 19-19.64N 071-16.56E
SAGAR LAXMI 20-58.00N 071-33.00E
SAGAR PRAGATI 20-58.00N 071-33.00E
SAGAR UDAY 19-21.00N 071-10.46E
TRIDENT II 18-29.25N 072-14.43E
TRIDENT XII 19-31.69N 071-16.51E
VALIANT DRILLER 19-34.43N 071-23.09E
VICTORY DRILLER 18-31.95N 072-15.23E
VIRTUE-I 20-19.05N 072-00.52E
2. Wide berth requested.
3. Cancel NAVAREA VIII MSG 726.
<b>753. India West Coast – Off Ratnagiri.</b> Charts 256 INT 71. INS Makar progressing survey using towed equipments in area bounded within 16-51.5N to 17-12.7N and 073-03.5E to 073-19.8E.
2. Wide berth of 10 nm requested.
3. Cancel this MSG 091830 UTC Dec 16.
<b>754. Andaman Sea – Great Nicobar.</b> Chart 409 4035. Campbell Bay DGPS (06-59N 093-55E) inoperative.

<b>755.</b>	<b>Cancel NAVAREA VIII 734 and this MSG.</b>																																																																												
<b>756.</b>	<b>India East Coast – off Balasore.</b> Charts 31 352 INT 71. Experimental flight trial scheduled daily from 12-17 Dec 16 between 0430 – 0630 and 0900 – 1100 UTC in danger zone bounded by 21-12.59N 086-46.15E, 20-05.32N 087-20.85E, 21-02.54N 088-22.30E, 21-45.60N 087-57.21E, 21-35.59N 087-10.70E. 2. Cancel this MSG 171200 UTC Dec 16.																																																																												
<b>757.</b>	<b>India West Coast.</b> Charts 255 292 INT 71. Rig list correct at 081002 UTC Dec 16. <table border="0"> <tr><td>ABAN ICE</td><td>19-04.32N 071-32.15E</td></tr> <tr><td>ABAN III</td><td>18-55.53N 072-18.18E</td></tr> <tr><td>ABAN IV</td><td>18-43.45N 072-22.32E</td></tr> <tr><td>ACTINIA</td><td>18-37.77N 071-27.17E</td></tr> <tr><td>CE THORNTON</td><td>18-42.32N 072-20.29E</td></tr> <tr><td>DISCOVERY-I</td><td>20-18.78N 072-02.12E</td></tr> <tr><td>DYNAMIC VISION</td><td>19-11.03N 072-11.12E</td></tr> <tr><td>DEEP SEA FORTUNE</td><td>19-35.35N 071-23.25E</td></tr> <tr><td>DEEP SEA FOSSIL</td><td>19-20.38N 071-25.41E</td></tr> <tr><td>FG MCCLINTOCK</td><td>19-37.33N 071-19.97E</td></tr> <tr><td>GREAT DRILL CHAARU</td><td>19-11.99N 072-11.15E</td></tr> <tr><td>GREAT DRILL CHAAYA</td><td>18-36.12N 071-01.59E</td></tr> <tr><td>GREAT DRILL CHETNA</td><td>19-29.06N 072-00.47E</td></tr> <tr><td>GREAT DRILL CHITRA</td><td>19-51.14N 071-04.87E NEW</td></tr> <tr><td>HARVEY H WARD</td><td>18-34.57N 072-16.74E</td></tr> <tr><td>JINDAL STAR</td><td>19-13.21N 072-10.52E</td></tr> <tr><td>JT ANGEL</td><td>22-25.98N 068-33.14E</td></tr> <tr><td>MERCURY FOCUS</td><td>21-15.78N 072-34.01E</td></tr> <tr><td>NOBLE ED HOLT</td><td>20-11.31N 071-52.15E</td></tr> <tr><td>PARAGON L-786</td><td>19-30.07N 071-21.63E</td></tr> <tr><td>PARAGON M 1161</td><td>19-18.33N 071-27.31E</td></tr> <tr><td>PARAMESWARA</td><td>20-01.85N 071-37.94E</td></tr> <tr><td>RON TAPMEYAR</td><td>19-35.10N 071-19.53E</td></tr> <tr><td>ROWAN LOUISIANA</td><td>19-34.41N 071-41.04E</td></tr> <tr><td>SAGAR GAURAV</td><td>19-11.12N 071-33.22E</td></tr> <tr><td>SAGAR SHAKTI</td><td>19-15.09N 070-52.83E</td></tr> <tr><td>SAGAR JYOTI</td><td>19-11.05N 072-08.03E</td></tr> <tr><td>SAGAR KIRAN</td><td>19-19.64N 071-16.56E</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>19-21.00N 071-10.46E</td></tr> <tr><td>TRIDENT II</td><td>18-29.25N 072-14.43E</td></tr> <tr><td>TRIDENT XII</td><td>19-31.69N 071-16.51E</td></tr> <tr><td>VALIANT DRILLER</td><td>19-34.43N 071-23.09E</td></tr> <tr><td>VICTORY DRILLER</td><td>18-31.95N 072-15.23E</td></tr> <tr><td>VIRTUE-I</td><td>20-19.05N 072-00.52E</td></tr> <tr><td>VIVEKANANDA-1</td><td>20-32.06N 072-09.16E</td></tr> <tr><td>VIVEKANANDA-2</td><td>19-34.16N 071-07.97E</td></tr> </table> 2. Wide berth requested. 3. Cancel NAVAREA VIII MSG 752.	ABAN ICE	19-04.32N 071-32.15E	ABAN III	18-55.53N 072-18.18E	ABAN IV	18-43.45N 072-22.32E	ACTINIA	18-37.77N 071-27.17E	CE THORNTON	18-42.32N 072-20.29E	DISCOVERY-I	20-18.78N 072-02.12E	DYNAMIC VISION	19-11.03N 072-11.12E	DEEP SEA FORTUNE	19-35.35N 071-23.25E	DEEP SEA FOSSIL	19-20.38N 071-25.41E	FG MCCLINTOCK	19-37.33N 071-19.97E	GREAT DRILL CHAARU	19-11.99N 072-11.15E	GREAT DRILL CHAAYA	18-36.12N 071-01.59E	GREAT DRILL CHETNA	19-29.06N 072-00.47E	GREAT DRILL CHITRA	19-51.14N 071-04.87E NEW	HARVEY H WARD	18-34.57N 072-16.74E	JINDAL STAR	19-13.21N 072-10.52E	JT ANGEL	22-25.98N 068-33.14E	MERCURY FOCUS	21-15.78N 072-34.01E	NOBLE ED HOLT	20-11.31N 071-52.15E	PARAGON L-786	19-30.07N 071-21.63E	PARAGON M 1161	19-18.33N 071-27.31E	PARAMESWARA	20-01.85N 071-37.94E	RON TAPMEYAR	19-35.10N 071-19.53E	ROWAN LOUISIANA	19-34.41N 071-41.04E	SAGAR GAURAV	19-11.12N 071-33.22E	SAGAR SHAKTI	19-15.09N 070-52.83E	SAGAR JYOTI	19-11.05N 072-08.03E	SAGAR KIRAN	19-19.64N 071-16.56E	SAGAR LAXMI	20-58.00N 071-33.00E	SAGAR PRAGATI	20-58.00N 071-33.00E	SAGAR UDAY	19-21.00N 071-10.46E	TRIDENT II	18-29.25N 072-14.43E	TRIDENT XII	19-31.69N 071-16.51E	VALIANT DRILLER	19-34.43N 071-23.09E	VICTORY DRILLER	18-31.95N 072-15.23E	VIRTUE-I	20-19.05N 072-00.52E	VIVEKANANDA-1	20-32.06N 072-09.16E	VIVEKANANDA-2	19-34.16N 071-07.97E
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VIVEKANANDA-2	19-34.16N 071-07.97E																																																																												
<b>758.</b>	<b>India West Coast – Off Bhatkal.</b> Charts 22 216 257 293 INT 71. Firing by Naval Ships scheduled on 14 Dec 16 from 0030 to 1330 UTC in danger area bounded within 13-56.20N to 14-07.20N and 074-13.60E to 074-25.07E. 2. Cancel this MSG 141430 UTC Dec 16.																																																																												
<b>759.</b>	<b>Bay of Bengal – off Kankasanturai.</b> Charts 32 358 INT 71. Naval firing practice scheduled on 13 Dec 16 from 0330-0730 UTC in danger circle extending 5 NM from 09-55N 080-33E. 2. Cancel this MSG 130830 UTC Dec 16.																																																																												
<b>760.</b>	<b>India East Coast – off Balasore.</b> Charts 31 352 INT 71. Experimental flight trial scheduled on 12,14,15,16,17,19,20 Dec 16 from 0430 – 0630 and 0900 – 1100 UTC in danger area bounded by 21-12.59N 086-46.15E, 20-05.32N 087-20.85E, 21-02.54N 088-22.30E, 21-45.60N 087-57.21E, 21-35.59N 087-10.70E 2. Cancel NAVAREA 756 and this MSG 201200 UTC Dec 16.																																																																												
<b>761.</b>	<b>India West Coast – off Mumbai.</b> Charts 211 INT 71. SV Fugro mapper progressing survey along 18-34.36N 072-16.89E, 18-39.04N 072-27.75E, 18-45.94N 072-43.83E, 18-50.37N 072-52.01E. 2. Wide berth requested. 3. Cancel NAVAREA 738 and this MSG 161830 UTC Dec 16.																																																																												
<b>762.</b>	<b>NAVAREA VIII Warnings in Force as on 09 Dec 16.</b> <b>2015 Series</b> - 287 334 386 <b>2016 Series</b> - 064 432 464 474 475 572 644 685 694 702 703 705 710 716 721 723 729 733 735 737 739 740 742 745 747 748 750 754 757 758 759 760 761 (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 www.hydrobharat.gov.in. 2. Cancel this MSG 161000 UTC Dec 16.																																																																												

<b>763. India East Coast – off Karaikal.</b> Charts 357 3033 INT 71. Cylindrical floating object of about 15 and 1.5 metres length and dia reported drifting to south in position 10-49.56N 079-55.26E at 100430 UTC Dec 16.
2. Vessels transiting to keep sharp lookout and exercise caution.
3. Cancel this MSG 130430 UTC Dec 16.
<b>764. Lakshadweep Sea – off Cape Comorin.</b> Charts 21 223 INT 71. INS Sutlej progressing hydrographic survey in area bounded within 07-32N to 08-25N and 076-58E to 078-25E.
2. Wide berth from ship and survey boats requested.
3. Cancel this MSG 241830 UTC Dec 16.
<b>765. Andaman Sea.</b> Charts INT 71 706. MFV Fahima Faheda reported missing with 06 crew between Port Blair and Campbell Bay.
<b>766. India West Coast – off Mumbai.</b> Charts 255 INT 71. MV Ganga dolphin progressing survey in area bounded within 18-38.4N to 18-40.2N and 072-12.0E to 072-13.8E.
2. Wide berth requested.
3. Cancel this MSG 251830 UTC Dec 16.
<b>767. India West Coast.</b> Charts 251 255 292 INT 71. Rig list correct at 141002 UTC Dec 16.
ABAN ICE 19-04.32N 071-32.15E
ABAN III 18-55.53N 072-18.18E
ABAN IV 18-43.45N 072-22.32E
ACTINIA 18-37.77N 071-27.17E
CE THORNTON 18-42.32N 072-20.29E
DISCOVERY-1 20-18.78N 072-02.12E
DYNAMIC VISION 19-11.03N 072-11.12E
DEEP SEA FORTUNE 19-35.35N 071-23.25E
DEEP SEA FOSSIL 19-20.38N 071-25.41E
FG MCCLINTOCK 19-37.33N 071-19.97E
GALVESTON KEY 20-36.05N 072-02.17E NEW
GREAT DRILL CHAARU 19-11.99N 072-11.15E
GREAT DRILL CHAAYA 18-36.12N 071-01.59E
GREAT DRILL CHETNA 19-29.06N 072-00.47E
GREAT DRILL CHITRA 18-40.10N 072-13.59E NEW
HARVEY H WARD 18-34.57N 072-16.74E
JINDAL STAR 19-13.21N 072-10.52E
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PARAGON M 1161 19-18.33N 071-27.31E
PARAMESWARA 20-01.85N 071-37.94E
RON TAPMEYAR 19-35.10N 071-19.53E
ROWAN LOUISIANA 19-34.41N 071-41.04E
SAGAR GAURAV 19-11.12N 071-33.22E
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VICTORY DRILLER 18-31.95N 072-15.23E
VIRTUE-I 20-19.05N 072-00.52E
VIVEKANANDA-1 20-32.06N 072-09.16E
VIVEKANANDA-2 19-34.16N 071-07.97E
2. Wide berth requested.
3. Cancel NAVAREA VIII MSG 757.
<b>768. India West Coast.</b> Lakshadweep Sea – off Colombo. Charts 23 263 INT 71. Firing practice scheduled on 19 Dec 16 from 0230 to 0730 UTC in danger area bounded within 06-35N TO 06-50N and 079-25E to 079-39E.
2. Cancel this MSG 190830 UTC Dec 16.
<b>769. Bay of Bengal – off Myanmar.</b> Charts 371 INT 706. MV Fugro supporter will progress survey from 16 Dec 16 in area bounded by 16-45.08N 092-08.86E, 16-45.08N 094-18.62E 16-00.09N 094-09.42E, 16-00.09N 092-08.86E.
2. Wide berth requested.
3. Cancel this MSG 151830 UTC Jan 17.
<b>770. India West Coast – off Mumbai.</b> Chart 256 293 INT 71. RV Polar Marquis progressing seismic survey in areas bounded by 18-03.89N 072-27.06E, 17-54.09N 072-26.99E, 17-51.98N 072-21.04E, 18-00.04N 072-17.03E and 18-23.17N 072-23.12E, 18-15.06N 072-25.97E, 18-10.56N 072-14.16E, 18-18.87N 072-12.00E.
2. Wide berth requested.
3. Cancel this MSG 121830 UTC Jan 17.

6.1

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

NIL



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

No	Name & Location	Position (Lat-Long)	Characteristis	Ht. mts	Range miles	Structure & Height (mts)	Remarks
<b>D7324-5</b>	- Dir Lt 204°	23 49.11 N 57 32.16 E	Dir Iso WRG2s	13	5	Black ◊ , on black pile	Iso G202.9°-204.1°(1.2°). Iso W204.1°-205.4°(1.3°). Iso R205.4°-208°(2.6°) <b>TE 2016</b>
--	--	..	<i>By day</i>	..	3		*
<b>F0755</b>	<b>Androth Island.</b> E end	10 48.91 N 73 42.10 E	FI(2)W 10s	44	<b>16</b>	White square masonry tower, black bands 41	<i>fl 0.5, ec 1, fl 0.5, ec 8</i>
--	--	..	Racon	..	..	..	ILRS Vol 2 Station 79050 *
<b>F1616-5</b>	-- N	03 00.91 N 100 51.89 E	FI W 3s	30	<b>15</b>	White round tower on piles	ILRS Vol 2 Station 79860 *
---	---	..	Racon	..	..	..	*
<b>F1644</b>	<b>Pulau Undan.</b> Summit	02 02.90 N 102 20.10 E	FI(2)W15s	53	<b>18</b>	Red 8-sidedconcrete tower on building 15	*
<b>F1652.5</b>	- Bukit Segenting	01 47.50 N 102 53.40 E	FI(4)W30s	86	<b>23</b>	White round concrete tower 14	*

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

**INP 31(1), 2014**

(Last correction: Edition No. 23 dated 01 Dec 2016)

NIL

**INP 31(2), 2014**

(Last correction: Edition No. 22 dated 16 Nov 2016)

**PAGE 12, UNITED ARAB EMIRATES (Persian Gulf Coast)**

Delete entry **77020 Abu Dhabi Lt Buoy**

(Source: BA 47/16)

(24/16)

**PAGE 12, UNITED ARAB EMIRATES (Persian Gulf Coast)**

Insert entry above **77060 Zaqqum Lt Buoy.**

<b>Fateh Calm Lt Buoy SPM 3</b>	25°33'.20N 54°26'.00 E					<b>U</b>		<b>77030</b>
---------------------------------	------------------------	--	--	--	--	----------	--	--------------

(Source: BA 47/16)

(24/16)

**PAGE 40,**

Insert entry above **KENYA (634)**

<b>INDONESIA (Sumatera) (525)</b>						
<b>Belanak FPSO-A No 1</b>	04°08'.52N 106°15'.92E	994701501			Real	
<b>Belanak FPSO-A No 2</b>	04°11'.86N 106°12'.04E	994701502			Real	
<b>Belanak FPSO-A No 3</b>	04°11'.99N 106°15'.98E	994701503			Real	
<b>Belanak FPSO-A No 4</b>	04°08'.37N 106°10'.52E	994701504			Real	

(Source: BA 47/16)

(24 /16)

**PAGE 46, UNITED ARAB EMIRATES (Persian Gulf Coast) (470)**

Delete entry **Abu Dhabi Lt Buoy**

(Source: BA 47/16)

(24/16)

**INP 31(5), 2011**

(Last correction: Edition No. 22 dated 16 Nov 2016)

NIL

**INP 31(6), 2012**

*(Last correction: Edition No. 06 dated 16 Mar 2016)*

**PAGE 5, JULDIA**

*Delete entry*

**(Source: BA 47/16)**

**(24/16)**

**PAGE 6, PATENGA**

*Delete entry*

**(Source: BA 47/16)**

**(24/16)**

## **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, 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 102 A contains the information required for Sailing Directions and should be used as an *aide memoir*. The Mariners Handbook, NP100, Chapter 8 gives general instructions. Where there is insufficient space on the forms an additional sheet should be used.

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

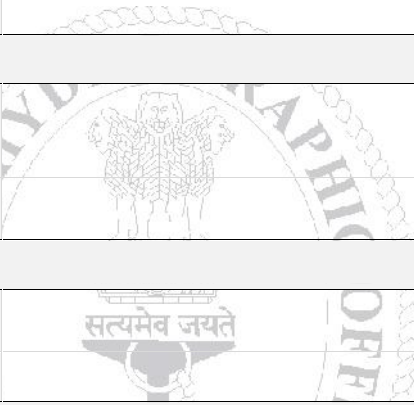
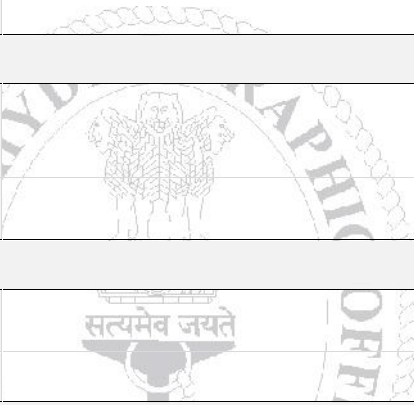


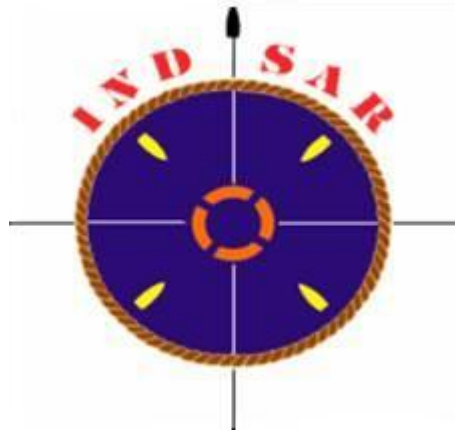
<b>HYDROGRAPHIC NOTE</b>				<b>IH.102 (Revised 2012)</b>	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date		Ref. Number			
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date		Time (UTC/IST)			
Object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

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

<b>7. TUGS (Continued)</b>	
Requesting authority	
Availability timing / Communication	
Hiring charges	
<b>8. BERTHING AND WHARVES</b>	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
<b>9. CARGO HANDLING</b>	
Containers	
Lighters & Ro-Ro etc.	
<b>10. CRANES</b>	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
<b>11. BRIDGES</b>	
Vertical clearance	
<b>12. REPAIRS</b>	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
<b>13. SERVICES</b>	
Radio / FAX / Telephone / Internet etc.	
Medical	
Quarantine	
Consul	
Ship chandlery and Stevedores	
Compass adjustment	
Tank cleaning	
Hull painting	
Police / Ambulance / Firefighting (Fixed and Mobile facilities)	
Nav. Warning and Weather bulletin	
Garbage disposal / Waste oil disposal	
Helicopter landing facilities	



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



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

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

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

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

**AFTN: VABBYXYC**