



INDIAN NOTICES TO MARINERS



EDITION NO. 23 DATED 01 DEC 2016

(CONTAINS NOTICES 204 TO 207)

REACH US 24 x 7



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(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

FEEDBACK: msis-inho@navy.gov.in



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



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II

MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

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

**Chief Hydrographer
to the Government of India**

WARNING AGAINST USE OF COUNTERFEIT PRODUCTS

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

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

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

III

EXPLANATORY NOTES

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

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

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

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

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

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

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

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

Radio Navigational Warnings.

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

IV

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

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

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

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

Use of Global Positioning System (WGS 84) positions.

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

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

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

NEWLY PUBLISHED INDIAN CHARTS, ENC'S AND PUBLICATION

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2124	30-09-2016	SALAYA CHANNEL LIMITS 22° 23'.00N; 69° 31'.30E. 22° 30'.90N; 69° 37'.00E.	15,000	2	Rs. 1870.00

2. The new edition of 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>
IN3308AV	308	OUTER APPROACHES TO VISAKHAPATNAM	28-11-2016

3. The Indian Electronic Navigational Chart that is permanently withdrawn is as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN3308AV	308	OUTER APPROACHES TO VISAKHAPATNAM	05-08-2009

4. 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

VI

Availability of ENC's

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's through the world wide network of their agents and distributors. Updates are also made available as per the existing policy of the distributor. Mariners and other ENC users may contact the under mentioned for further details:

United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Telex: 46274 Web site: www.hydro.gov.uk	M/s Jeppesen Norway AS 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
M/s Primar Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: data@ecc.no Website: - www.primar.org	M/s IIC Technologies Limited B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad - 500 034 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 204 to 207 contained in this edition is as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
268 (INT 7353)	4	204
272	4	204
273	4	204
308	5	205
354 (INT 7408)	5	205
391	5	205
2006	4	204
2007	4	204
2023	4	204
2047	4	204
2051 (INT 7333)	2	207
2077	3	207
2512	1	206
3002 (INT 7410)	5	205
3035	5	205



SECTION – II**PERMANENT NOTICES*****204 (23/16) INDIA – LAKSHADWEEP – Minicoy Island – Lights.**

Source: DLL Cochin.

Chart 272 [previous update 162/16]

Amend	Light to; Fl(2)10s11M	11° 35′.80N., 72° 11′.40E.
	range of light to, 11M	11° 41′.86N., 72° 42′.98E.
	range of light to, 22M	11° 28′.13N., 73° 00′.47E.
	range of light to, 11M	11° 15′.40N., 72° 47′.40E.

Chart 273 [previous update 196/16]

Amend	range of light to, 11M	11° 15′.40N., 72° 47′.40E.
	range of light to, 11M	10° 52′.60N., 72° 12′.30E.
	range of light to, 11M	10° 48′.80N., 73° 39′.70E.
	range of light to, 21M	10° 33′.70N., 72° 39′.00E.
	range of light to, 11M	10° 08′.20N., 72° 19′.70E.

Chart 268 (INT 7353) [previous update 196/16]

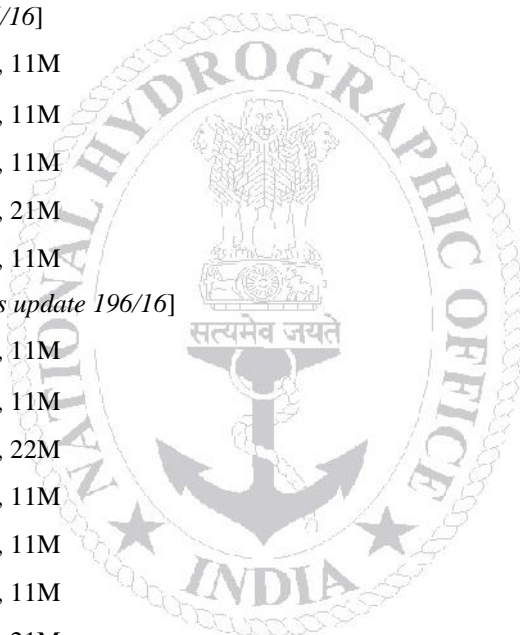
Amend	range of light to, 11M	11° 41′.86N., 72° 42′.98E.
	range of light to, 11M	11° 35′.80N., 72° 11′.40E.
	range of light to, 22M	11° 28′.13N., 73° 00′.47E.
	range of light to, 11M	11° 15′.40N., 72° 47′.40E.
	range of light to, 11M	10° 52′.60N., 72° 12′.30E.
	range of light to, 11M	10° 49′.03N., 73° 39′.70E.
	range of light to, 21M	10° 33′.67N., 72° 38′.77E.
	height of light to, 34m	11° 06′.79N., 72° 43′.23E.
	height of light to, 38m	10° 02′.35N., 72° 17′.08E.
	Light to; Fl.15s16m11M	10° 08′.23N., 72° 19′.77E.

Chart 2047 [previous update 196/16]

Amend	range of light to, 11M	11° 15′.44N., 72° 47′.36E.
	range of light to, 11M	11° 41′.91N., 72° 42′.94E.
	range of light to, 11M	10° 52′.63N., 72° 12′.32E.
	height of light to, 34m	11° 06′.76N., 72° 43′.16E.

Chart 2007 [previous update NC 15 Dec 2015]

Amend	range of light to, 11M	10° 49′.03N., 73° 39′.70E.
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204 (23/16) INDIA – LAKSHADWEEP – Minicoy Island – Lights. Continued.*Chart 2023** [previous update NC 15 Jun 2014]

Amend	range of light to, 21M	10° 33′.67N., 72° 38′.77E.
	height of light to, 16m	11° 29′.79N., 73° 00′.02E.
	range of light to, 22M	11° 28′.13N., 73° 00′.47E.

Chart 2006 [previous update NC 31 Jan 2015]

Amend	range of light to, 10M	08° 17′.75N., 73° 03′.94E.
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***205 (23/16) INDIA – EAST COAST – Gangavaram Port – Firing Practice Area – Submarine Exercise Area.**
Source: DNO.**Chart 391** [previous update 202/16]

Insert	Legend, “ <i>Firing Practice Area (See Note)</i> ”, centered on:	17° 19′.60N., 82° 54′.90E.
	Legend, “ <i>Submarine Exercise Area (See Note)</i> ”, centered on:	17° 01′.60N., 83° 21′.40E.
Amend	Accompanying note, centered on:	17° 30′.30N., 80° 30′.10E.

Chart 354 (INT 7408) [previous update 202/16]

Insert	Legend, “ <i>Firing Practice Area (See Note)</i> ”, centered on:	17° 19′.60N., 82° 54′.90E.
	Legend, “ <i>Submarine Exercise Area (See Note)</i> ”, centered on:	17° 01′.60N., 83° 21′.40E.
Amend	Accompanying note, centered on:	17° 45′.60N., 82° 25′.20E.

Chart 308 [previous update 202/16]

Insert	Legend, “ <i>Firing Practice Area (See Note)</i> ”, centered on:	17° 31′.00N., 83° 21′.60E.
	Accompanying note (<i>Firing Practice Area</i>), centered on:	17° 51′.80N., 82° 51′.10E.
Amend	Accompanying note (<i>Submarine Exercise Area</i>), centered on:	17° 55′.95N., 82° 50′.60E.

Chart 3002 (INT 7410) [previous update 171/16]

Insert	Legend, “ <i>Firing Practice Area (See Note)</i> ”, centered on:	17° 29′.00N., 83° 20′.00E.
	Accompanying note, centered on:	17° 43′.40N., 83° 16′.72E.

Chart 3035 [previous update 063/16]

Insert	Legend, “ <i>Firing Practice Area (See Note)</i> ”, centered on:	17° 35′.20N., 83° 18′.30E.
	Accompanying note, centered on:	17° 37′.33N., 83° 12′.58E.

***206 (23/16) INDIAN OCEAN – MAURITIUS – Agalega Islands – Tower.**

Source: IH – 102, HU, Mauritius.

Chart 2512 [previous update NC 15 May 2013]

Insert



CSRS TOWER(20)

10° 21′.03S., 56° 35′.32E.

*207 (23/16) Miscellaneous updates to charts.		
Source: NHO.		
Chart No.	Previous Updates	Details
Chart 2077	051/16	Part of Chart 2077 (APPROACHES TO PAWAS BAY) is withdrawn on publication of new chart 2074.
2051 (INT 7333)	103/16	Insert Chart No.2124 and Magenta limit as follows: 22° 23′.00N., 69° 31′.30E. 22° 30′.90N., 69° 31′.30E. 22° 30′.90N., 69° 37′.00E. 22° 23′.00N., 69° 37′.00E. 22° 23′.00N., 69° 31′.30E.



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:-

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

2. **MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS**

All merchant vessels entering Indian EEZ are advised that dense fishing activity may be encountered off West Coast of India. Fishing is generally carried out by mechanized boats and single hull boats with outboard motors carrying 4-5 crew using long lines upto 50 NM from coast. The vessels traversing the nets are likely to be approached by fishing boats for safeguarding nets and lines and should not be mistaken as skiffs and PAG's. Masters of vessels to report any suspicious activity of fishing vessels immediately to MRCC (Mumbai) on telephone +91-22-24388065, 24316558, Email: - indsar@vsnl.net, or icgmrc_mumbai@mtnl.net . Any suspicious activity of skiffs / boats to be photographed if possible. Merchant vessels with armed guards on board are to report presence of guards to Indian Navy/Coast Guard while transiting Indian EEZ.

(Source - NAVAREA VIII Warning 100/12)

3. **DISPLAY ANOMALIES IN ECDIS**

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website www.iho.int, to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode.

Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html for further information.

(b) Some Electronic Chart Display and Information Systems (ECDIS) may exhibit operating anomalies. The International Maritime Organization's (IMO) circular SN.1/CIRC.312 pages /imodocs.aspx (registration required) lists identified anomalies, Their characteristics and remedial advice. Mariners are reminded that they should access the International Hydrographic Organization (IHO) data presentation and performance check (DPPC) dataset (news links of <http://www.iho.int/srv1>) and ensure that all installed ECDIS units are checked.

(Source - NAVAREA VIII Warning 141/12 & 529/12)

4. SAFETY FAIRWAYS, RECOMMENDED ROUTES, TRAFFIC SEPARATION SCHEME

The Director General Shipping has established Safety fairways, recommended routes and traffic separation scheme (TSS) in restricted Indian waters including the offshore development area to enhance safety of navigation. The details of coordinates for the above have been published in the fortnightly Indian Notices to Mariners Edition No 14 of 2008 (16th July 2008).

(a) Safety Fairways: An area within which permits are not granted for the erection of oil or gas related structures. The use of a safety fairway is not usually mandatory, but is recommended. Safety fairways have been promulgated in and round offshore development area in Arabian Sea up to the Exclusive Economic Zone (EEZ) due to increased weather related marine accidents and dense traffic. These are mandatory for all Indian ships and vessels transiting through the ODA and recommendatory for all foreign flag ships and vessels irrespective of size.

(b) Recommended routes have been established along the coast of Gujarat. These are to assist mariners to navigate safely in order to represent the best routes for crossing traffic and to minimize head-on encounters in vicinity of Oilfield Development Areas and regulate coastal traffic. Mariners are advised to keep 1 to 2 miles starboard of the shown routes consistent with Rules of the Road.

(c) Traffic Separation Schemes (TSS). The TSS off Mumbai harbour is mandatory for all Indian and foreign flag ships and vessels entering and leaving Mumbai harbour and Jawaharlal Nehru Port Trust (JNPT)/ Nhava-Sheva harbour irrespective of size.

5. GAGAN SYSTEM COMMISSIONED FOR OPERATIONS

The GAGAN System is now commissioned for safety of life, civil aviation, and en- route operations in addition to all other non-aviation applications. The GAGAN signal is being broadcasted through GSAT-8 and GSAT-10 with PRN127 & 128 respectively.

All the GPS users are requested to enable SBAS functionality in their receivers, configure it to receive PRN-127& 128 and avail the benefits of GAGAN in terms of increased accuracy and reliability. There may be occasional signal outages due to system up-gradation activities.

6. USAGE OF THURAYA/ IRRIDUM AND SATELLITE PHONE

The use of Thuraya, Iridium and other such satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act. It is intimated to all shipping companies/ shipping agents that use of Thuraya/ Iridium and other such satellite phones are banned in Indian waters and seafarers should not use the same.

Satellite phones can be used only after no objections certificate issued by department of telecommunication (DOT) on a case to case basis. The shipping agents should mandatorily intimate the details of person carrying Thuraya and the particulars of Thuraya, Iridium and other such sets in pre arrival notification on security (PANS).

The unauthorized holders of Thuraya/ Iridium and other such Satellite phones can be prosecuted under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act.

7. CAUTIONARY NOTE

There is a finite amount of lag between publication of large and small scale Indian Nautical Charts. To avoid uncertainty the mariners are advised to use large scale charts for coastal navigation wherever applicable and available. In addition, mariners are to refer large scale charts in conjunction with small scale charts in areas where both overlap during both planning and conduct of passage.

List of Indian Chart Agents

<p>M/s OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p>M/s VDO Marine Instruments Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmain@md4.vsnl.net.in</p>
<p>M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor, 58, Dr. Sunderlal Bahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: sales@globalcharts.in Web: www.globalcharts.com.sg</p>	<p>E.W.Liner Charts & Publication (India) 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>M/s C & C Marine Combine 25 Bank Street, 1st 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>Gujarat Pipavav Port Limited PO – Uchhaiya, Dist – Amereli, Gujarat – 365 560 Tele: +91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)</p>
<p>M/s SVR Chart Agencies Door No.50-81-48/4, Seetammapeta, Visakhapatnam – 530 016 Tel/ Fax: 0891-2799471, Cell: +91-9849120988, 9885797333 Email : mahalakshmitravels99@gamil.com</p>	<p>SMS Marine Private Ltd 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>M/s JM Maritime Services 24/24C Kavarana Building, Ground Floor, Wadi Bunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in, charts@mtnl.net.in</p>	<p>M/s Global Marine Infratech Pvt. Ltd. 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>Lift o Marine 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>M/s L. R. Marine Services 301, 3rd Floor, Biry House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-6635 9148 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com</p>
<p>M/s Engineering Logistics Executive Multi Services Elems Charts, Door No: 61-4-45-A/4, Prakash Nagar, Malkapuram Visakhapatnam – 530 011 Mob: +91 9133871827 Email: sales@elemscharts.in Web: www.elemscharts.in</p>	<p>M/s IIC Technologies Limited 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>M/s Aatash Computer & Communications Pvt. Ltd. 213, Devarc Commercial Complex Nr. Iscom Circle (above Woodland Showroom) S. G. Highway Ahmedabad – 380 015 Mob: +91 7926923982 Email: jyoti@aatash.com, zubin@aatash.com</p>	<p>M/s Zenith Surveys (I) Pvt. Ltd. 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 30 Nov 16:

2015 SERIES – 287 334 386

2016 SERIES – 064 432 464 474 475 572 644 669 685 694 702 703 705 710 716 719 721 723 726
728 729 730 732 733 734 735 736

3. NAVAREA VIII Warnings issued during the period from 16 Nov to 30 Nov 16 (both dates inclusive) are as tabulated below:–

698.	India West Coast – Okha. Charts 21 203 2068 INT 71. Firing by Naval Coast Battery scheduled on 21 Nov 16 from 0530-0730 UTC.
2.	Danger sector extending up to 12 NM within bearing 300 to 020 from 22-28.04N 069-04.99E. Safe flying height 12800 metres.
3.	Cancel this MSG 210830 UTC Nov 16.
699.	India West Coast – off Ratnagiri. Charts 22 293 INT 71. INS Makar progressing hydrographic survey 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 191830 UTC Nov 16.
700.	India East Coast – off Chilka. Charts 31 352 INT 71. RV Samudra Kaustubh progressing seabed survey in area bounded by 19-39N 085-35E, 19-40N 085-37E, 19-40N 085-42E, 19-37.5N 085-43E, 19-37.5N 085-35E (.)
2.	Wide berth requested.
3.	Cancel this MSG 231830 UTC Nov 16.
701.	India West Coast. Charts 255 292 INT 71. Rig list correct at 171002 UTC Nov 16
	ABAN ICE 19-12.78N 070-45.13E IN SAFETY FAIRWAY
	GREAT DRILL CHAARU 19-08.03N 071-52.07E 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 18-36.17N 071-01.65E
	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 19-34.59N 071-23.43E
	DEEP SEA FOSSIL 19-20.38N 071-25.41E
	FG MCCLINTOCK 19-37.33N 071-19.97E
	GREAT DRILL CHAAYA 18-39.26N 070-58.87E
	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

701. Continued.	VICTORY DRILLER VIRTUE-I VALIANT DRILLER	18-31.95N 072-15.23E 20-19.05N 072-00.52E 19-34.43N 071-23.09E
2.	Wide berth requested	
3.	Cancel NAVAREA VIII MSG 683.	
702. India West Coast – Kochi Port.	Charts 2004 INT 71. Fairway buoy removed for maintenance.	
703. India West Coast – Gulf of Khambhat.	Charts 21 209 INT 71. SV Focus Surveyor and Focus Explorer progressing seismic survey in area bounded by 21-00N 072-13.33E, 21-01.97N 072-13.29E, 21-05.32N 072-13.22E, 21-08.27N 072-17.26E, 21-06.02N 072-20.12E, 21-04.04N 072-20.15E, 21-05.10N 072-24E, 21-05.10N 072-28E, 21-06.75N 072-28.19E, 21-09.67N 072-33.76E, 21-14.90N 072-37.85E, 21-16N 072-37.85E, 21-16N 072-39.55E.	
2.	Wide berth requested.	
3.	Cancel this MSG 141830 UTC Feb 17.	
704. Lakshadweep Sea – off Colombo.	Charts 23 263 INT 71. Firing practice scheduled on 20 Nov 16 from 0330 to 0630 UTC Nov 16 in danger circle extending 5 NM from 07-19N 079-10E. Safe flying height 1500 metres.	
2.	Cancel this MSG 200730 UTC Nov 16.	
705. Lakshadweep Sea – off Cape Comorin.	Charts 21 223 INT 71. INS Sutlej will undertake hydrographic survey from 21 Nov 16 in area bounded by 07-32N TO 08-25N AND 076-58E TO 077-35E.	
2.	Wide berth from ship and survey boats requested.	
3.	Cancel this MSG 131830 UTC Dec 16.	
706. India East Coast – off Balasore.	Charts 31 351 INT 71. Experimental flight trial scheduled from ITR on 22 and 24 Nov 16 from 0130-0530 UTC in danger zone bounded by 20-48.22N 087-00.88E, 19-26.77N 086-43.11E, 17-35.87N 086-54.94E, 17-36.32N 087-22.51E, 17-40.38N 087-49.78E, 19-31.58N 087-41.53E, 20-48.90N 087-09.09E (.)	
2.	Cancel this MSG 240630 UTC Nov 16.	
707. India East Coast – off Gopalpur.	Charts 31 352 353 3005 INT 706. Army air defence firing and BPTA flight scheduled on 24, 25, 26, 28, 29, 30 Nov 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. Safe flying height 6100 metres.	
3.	Cancel this MSG 301530 UTC Nov 16.	
708. Bay of Bengal – off Kankasanturai.	Charts 32 358 INT 71. Naval firing practice scheduled on 22 Nov 16 from 0330-0730 UTC in danger circle extending 5 NM from 09-55N 080-33E. Safe flying height 3700 metres.	
2.	Cancel this MSG 220830 UTC Nov 16.	
709. India East Coast – off Kakinada.	Charts 31 32 391 INT 71. Firing by Naval Ships scheduled on 23 and 24 Nov 16 from 0030 to 0630 UTC in danger area bounded by 16-15N 084-00E, 15-30N 083-24.5E, 15-05N 084-24E, 16-05.5N 084-42E. Safe flying height 2000 metres.	
2.	Cancel this MSG 240730 UTC Nov 16.	
710. Trial transmission of international NAVTEX service along Indian coast commenced.	Details available in special N to M.	
2.	Mail feedback on reception to msis-inho-navy@nic.in and ncdm-inho@navy.gov.in .	
711. NAVAREA VIII warnings in force as on 18 Nov 16		
	2015 Series - 287 334 386	
	2016 Series - 064 432 464 474 475 571 572 644 658 665 669 671 681 684 685 694 695	
	696 697 698 699 700 701 702 703 704 705 706 707 708 709 710	
	(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 251000 UTC Nov 16.	
712. India East Coast – off Balasore.	Charts 31 351 INT 71. Experimental flight trial scheduled from ITR on 22 Nov from 0200 to 0530 UTC and 24 Nov 16 from 0400-0730 UTC in danger zone bounded by 20-48.22N 087-00.88E, 19-26.77N 086-43.11E, 17-35.87N 086-54.94E, 17-36.32N 087-22.51E, 17-40.38N 087-49.78E, 19-31.58N 087-41.53E, 20-48.90N 087-09.09E.	
2.	Cancel NAVAREA VIII 706 and this MSG 240830 UTC Nov 16.	
713. India West Coast – Goa.	Charts 22 214 215 216 293 2078 INT 705 706. Firing by Naval Coast Battery scheduled on 23 Nov 16 from 0330 - 0730 UTC.	
2.	Danger sector extending up to 10 NM seaward between bearing 220 and 260 from 15-24.67N 073-47.56E.	
3.	Cancel this MSG 230830 UTC Nov 16.	
714. India East Coast – off Gopalpur.	Charts 31 352 INT 71. Experimental flight trial scheduled from ITR on 26 and 27 Nov 16 from 0530-0930 UTC in danger zone bounded by 18-11.47N 085-47.16E, 18-40.21N 089-17.82E, 20-18.33N 088-42.27E, 18-34.14N 085-38.51E (.)	
2.	Cancel this MSG 271030 UTC Nov 16.	

715. India East Coast – Chennai. Charts 313 3001 3004 INT 71. Firing by Naval Coast Battery scheduled on 25 Nov 16 from 0530 - 0730 UTC.
2. Danger sector extending up to 5.5 NM between bearing 045 and 075 from 13-07.02N 080-18.01E.
3. Cancel this MSG 250830 UTC Nov 16.
716. Andaman Sea – Port Blair. Chart 4012 INT 71. Sub bottom investigation in progress at South-West end of Haddo jetty.
2. Clearance of 400 metres from jetty end requested.
3. Cancel this MSG 311830 UTC Dec 16.
717. Lakshadweep Sea – off Colombo. Charts 23 263 INT 71. Firing practice scheduled on 26 Nov 16 from 0230 to 0930 UTC in danger area bounded by 07-19N 079-10E, 07-16N 079-30E, 07-03N 079-10E, 07-06N 079-30E.
2. Cancel this MSG 261030 UTC Nov 16.
718. India West Coast – Porbandar. Charts 2040 INT 71. DGPS (21-37N 069-37E) off 24 Nov from 0130-1230 UTC.
2. Cancel this MSG 241330 UTC Nov 16.
719. 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 (16-22.4N 096-21.75E) additional lower western Fl R 4s (16-22.95N 096-21.47E) buoys relaid and red conical buoy (16-23.25N 096-21.47E) laid. Thura Phyo Kyaw Lin wreck buoy (16-24.0N 096-21.1E) adrift.
2. Cancel NAVAREA VIII MSG 571.
720. Cancel NAVAREA VIII 712 and this MSG.
721. India West Coast – off Mumbai. Charts 255 INT 71. MV Flamboyan progressing survey in area bounded by 19-38.1N 071-26E.9, 19-41.4N 072-04.5E, 19-06.6N 072-11.1E, 19-08.9N 072-01.2E, 19-25.4N 071-57.7E, 19-23.6N 071-32.1E
2. Wide berth requested.
3. Cancel this MSG 311830 UTC Dec 16.
722. North Indian Ocean. Chart INT 71. SLFV Maxim putha02 reported adrift 03-37N 086-53E at 240200 UTC Nov 16 due engine failure.
2. Cancel this MSG 270200 UTC Nov 16.
723. Indian Ocean – off Dondra Head. Charts 23 INT 71. Yellow cylindrical oceanographic buoy with fixed white light moored 03-55.63N 080-28.23E.
724. Cancel NAVAREA VIII 681 and this msg.
725. North Indian Ocean. Chart INT 71. SLFV Sudu duwa 2 reported adrift 04-20N 079-32E at 241600 UTC Nov 16
2. Cancel this MSG 271600 UTC Nov 16.
726. India West Coast. Charts 255 292 INT 71. Rig list correct at 251002 UTC Nov 16.
ABAN ICE 19-12.78N 070-45.13E IN SAFETY FAIRWAY
GREAT DRILL CHAARU 19-08.03N 071-52.07E
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 NEW
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 19-34.59N 071-23.43E
DEEP SEA FOSSIL 19-20.38N 071-25.41E
FG MCCLINTOCK 19-37.33N 071-19.97E
GREAT DRILL CHAAYA 18-39.26N 070-58.87E
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

726. Continued.	TRIDENT II TRIDENT XII VICTORY DRILLER VIRTUE-I VALIANT DRILLER	18-29.25N 072-14.43E 19-31.69N 071-16.51E 18-31.95N 072-15.23E 20-19.05N 072-00.52E 19-34.43N 071-23.09E
2.	Wide berth requested.	
3.	Cancel NAVAREA VIII MSG 701.	
727. Bay of Bengal – off Trincomalee.	Charts 359 3014 INT 71. Naval firing practice scheduled on 30 Nov 16 from 0130-1130 UTC in danger area bounded within 08-20N TO 08-30N AND 081-30E TO 081-40E.	
2.	Cancel this MSG 301230 UTC Nov 16.	
728. NAVAREA VIII warnings in force as on 25 Nov 16.	2015 Series - 287 334 386 2016 Series - 064 432 464 474 475 572 644 658 665 669 671 684 685 694 702 703 705 707 710 714 716 717 719 721 722 723 725 726 727	
(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 021000 UTC Dec 16.	
729. Lakshadweep Sea – off Colombo and Galle.	Charts 225 226 INT 71. Fishing trawlers reported sunk 06-44N 079-44E and 05-54N 080-24E due flooding.	
730. India West Coast – Ratnagiri.	Charts 256 INT 71. INS Makar progressing hydrographic survey in area bounded by 16-51.5N to 17-12.7N and 073-03.5E to 073-19.8E.	
2.	Wide berth of 03 NM requested.	
3.	Cancel this MSG 021830 UTC Dec 16.	
731. India West Coast – Gulf of Khambhat.	Charts 208 INT 705. Gopnath DGPS (21-12N 072-07E) off 30 Nov 16 from 0130-1230 UTC.	
2.	Cancel this MSG 301330 UTC 30 Nov 16.	
732. India East Coast – Visakhapatnam.	Charts 3002 3012 INT 71. OP Demo scheduled on 29, 30 Nov and 02, 04 Dec 16 during which naval ships will anchor / manoeuver at high speed in danger area bounded by 17-41.3N 083-17.2E, 17-46.25N 083-25.5E, 17-39.6N 083-29.8E, 17-34.5N 083-21.6E.	
2.	Shipping and fishing to exercise caution in danger area.	
3.	Cancel this MSG 050001 UTC Dec 16.	
733. India West Coast – Kochi.	Charts 22 220 2029 INT 71. Firing by naval coast battery scheduled on 02, 06, 09, 16, 23, 27 Dec 16 from 0900 – 1200 UTC.	
2.	Danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44.0N 076-17.5E, 09-42.5N 076-09.5E.	
3.	Cancel this MSG 271300 UTC Dec 16.	
734. Bay of Bengal – Indian Ocean.	Charts 32 INT 70 71 706. PSLV launch scheduled from 07 – 09 Dec 16 between 0430 - 0830 UTC from 13-43.9N 080-14.2E.	
2.	Danger zone as follows ZONE-1: Circle of 10 NM around launcher. ZONE-2: 13-10N 080-25E, 13-25N 080-40E, 12-45N 081-15E, 12-30N 081-00E. ZONE-3: 11-45N 081-20E, 12-10N 081-50E, 11-05N 082-40E, 10-40N 082-10E. ZONE-4: 10-25N 082-20E, 10-50N 082-50E, 10-00N 083-25E, 09-35N 082-55E. ZONE-5: 08-45N 083-15E, 08-45N 083-45E, 07-55N 083-45E, 07-55N 083-15E. ZONE-6: 06-05S 081-05E, 06-25S 082-25E, 09-10S 081-50E, 08-50S 080-30E. ZONE-7: 41-30S 073-25E, 42-30S 076-05E, 49-10S 074-20E, 48-30S 071-40E.	
3.	Cancel this MSG 090930 UTC Dec 16.	
735. India East Coast.	Charts 262 355 INT 706. Rig list correct at 291003 UTC Nov 16. ABAN ABRAHAM 16-11.42N 082-12.65E ABAN II 16-23.23N 082-01.41E JACK BATES 16-15.28N 082-12.98E RIG 805 16-40.18N 082-25.72E SAGAR RATNA 16-20.43N 081-59.35E SAGAR BHUSHAN 16-17.74N 082-11.03E DDKG 2 16-41.52N 082-42.73E DS MATDRILL 15-38.22N 080-48.67E SAGAR VIJAY 16-19.41N 082-10.51E	
2.	Wide berth requested.	
3.	Cancel NAVAREA VIII MSG 684.	
736. India East Coast – off Balasore.	Charts 31 351 352 INT 71. Experimental flight trial scheduled from ITR on 05 and 06 Dec 16 from 0330-0730 UTC in danger zone bounded by 21-22.04N 086-56.37E, 21-09.75N 086-50.59E, 19-37.38N 087-31.93E, 20-02.60N 088-35.28E, 21-37.29N 087-52.26E.	
2.	Cancel this MSG 060830 UTC Dec 16.	

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

Bay of Bengal Pilot (INP-2)
Chapter –3 (Page-146)

Article 3.31, Para 10

Delete berth details in second table and replace by,

SI No	Name of Berth	Admissible LOA, Beam & Draught (in... Mtrs)			Remarks
		LOA	Beam	Draught	
(i)	Iron ore Berth	260	33	13.0	
(ii)	Coal Berth-I	260	33	14.5	
(iii)	Coal Berth-II	260	33	14.5	
(iv)	East Quay-I	260	33	11.0	
(v)	East Quay-II	260	33	11.5	
(vi)	East Quay-III	230	33	12.5	
(vii)	South Quay	230	33	12.5	
(viii)	Central Quay-I	230	33	14.5	
(ix)	Central Quay-II	230	33	14.5	
(x)	Central Quay-III	230	33	14.5	
(xi)	Fertilizer Berth-I	230	33	14.5	
(xii)	Fertilizer Berth-II	230	33	14.5	
(xiii)	Multi-purpose Berth	230	33	14.5	
(xiv)	North Oil Jetty	230	33	13.5	Minimum permissible LOA=148 m
(xv)	South Oil Jetty	260	45	14.5	
(xvi)	SPM-I	370	60	21.0	Max. DWT = 320000MT
(xvii)	SPM-II & III	370	65	23.0	Min. DWT = 80000 MT
(xviii)	Ro-Ro Jetty	90	20	5.0	
(xix)	North Quay-I	Barge / OSV		5.0	
(xx)	North Quay-II	/ Small Vessels		5.0	
(xxi)	Deep Sea Trawler Berth	Fishing Trawlers		5.0	

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D9162.58	Shirinu. Breakwater Head	27 35.80 N 52 29.70 E	FI(2)R 6s	..	7	Red □ on red beacon	
F0943	- Harbour Basin. Entrance. E side	13 05.90 N 80 18.17 E	FI R 2s	8	1	Metal Post 1.5	
F0944	- - - W side	13 05.93 N 80 18.10 E	FI G 2s	8	1	Metal Post 0.5	2 F R on radio tower 0.68 M W. FI R and 3 F R on TV tower 2.2 M SW
F0945.6	- Jawahar Dock. W	13 05.46 N 80 17.85 E	F R	TE 2009
F0945.62	- - E	13 05.44 N 80 17.88 E	F R	TE 2009
F0945.7	Fishing Harbour - N Breakwater. Head	13 07.81 N 80 18.20 E	F G			White masonry tower, Green stripes	
F0945.8	- E Breakwater. Head	13 07.87 N 80 18.29 E	F R			White masonry tower, Red stripes	
F1223	Katchall Island - Kalchall East Bay	08 00.36 N 93 24.52 E	FI W 5s	43	10	Red and White metal trestle tower 24	<i>fl 0.5</i>
F1697.1	- Pulau Sambu. Dolphin	01 09.88 N 103 53.67 E	FI Y 4s	..	4	Yellow x on yellow beacon 7	<i>fl 1.</i> Ra refl

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2014

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

PAGE 39, SEYCHELLES , SEYCHELLES MRCC.

Delete entry and replace by:

SEYCHELLES	
SEYCHELLES MRCC	
04°40'S 55°30'E	
 +248 4290900 (Operations) +248 4224616 (Operations)	 +248 4323288 (Operations)
e-mail: mrcc.seycoast@email.sc	
NOTE : Seychelles Radio/S7Q maintains a continuous listening watch on international distress frequencies.	

VHF



	Ch 16	H-24
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(Source: BA 45/16)

(23/16)

PAGE 44, SRI LANKA, COLOMBO RADIO (4PB) [5890] & COLOMBO MRCC, Contacts table.

Delete entry and replace by:

COLOMBO RADIO (4PB) [5890] & COLOMBO MRCC	
06°55'N 79°53'E	
	OBS
 +94 11 2423644(Colombo Radio) +94 11 2423645 (Colombo Radio) +94 11 2423646 (Colombo Radio) +94 11 2212230 (Colombo MRCC) +94 11 2212231 (Colombo MRCC) +94 11 2445368 (Colombo MRCC)	 +94 11 2424249(Colombo Radio) +94 11 2441454(Colombo MRCC) +94 11 2449718(Colombo MRCC)
e-mail: sateam@slt.com.lk(Colombo Radio) mrcccolombo@gmail.com (Colombo MRCC) nhqдно@yahoo.com (Colombo MRCC) nhqдно@navy.lk (Colombo MRCC)	
NOTES : 1. Station accepts Ship's Weather Reports addressed WEATHER COLOMBO.	
: 2. Maritime Search & Rescue operations are coordinated by the Sri Lankan Navy.	
3. MRCC Colombo is manned H-24.	
4. Colombo Radio maintains a continuous listening watch on 2182 kHz and VHF Ch 16.	

(Source: BA 45/16)

(23/16)

INP 31(2), 2014*(Last correction: Edition No. 22 dated 16 Nov 2016)***NIL****INP 31(5), 2011***(Last correction: Edition No. 22 dated 16 Nov 2016)***PAGE 145, Chapter 09, MARITIME SAFETY INFORMATION (MSI) UNDER GMDSS, NAVTEX, STATION WITH OPERATIONAL NAVTEX FACILITIES.**

SEYCHELLES	
Mahe [T] [M] Position: 04°39'.32S 55°28'.38E Range: 400 n mile	TELEPHONE: +248 4290900 & +248 4224616 FAX: +248 4323288 Email: mrcc.seycoast@email.sc
NAVTEX [T]	
Bulletin/Warning	Time UT (GMT)
Weather Bulletin	0310, 0710, 1110, 1510, 1910, 2310
Navigational Warning	0310, 0710, 1110, 1510, 1910, 2310
NAVTEX [M]	
Bulletin/Warning	Time UT (GMT)
Weather Bulletin	0200, 0600, 1000, 1400, 1800, 2200
Navigational Warning	0200, 0600, 1000, 1400, 1800, 2200

*(Source: BA 45/16)**(23/16)***PAGE 177, CHAPTER 10, DISTRESS, SEARCH AND RESCUE, SEYCHELLES***Delete entry and replace by:*

SEYCHELLES			
National SAR Agency: Seychelles Coast Guard with assistance of Port and Marine Services Div. Address: Seychelles Coast Guard, P.O. Box 257 Victoria, Mahe, Seychelles Tel: +248 4290900 & +248 4224616 Fax: +248 4323288 e-mail: mrcc.seycoast@email.sc			
The Seychelles Coast Guard coordinates Search and Rescue Operations. The MRCC at Seychelles Coast Guard and Control Tower at Port and Marine Services Division maintains a continuous listening watch on VHF Ch 16. Seychelles Radio (S7Q), maintains continuous listening watch on international distress frequencies. Preferred inter RCC language is English.			
	Telephone +248	Fax +248	Others
SEYCHELLES RCC (Cospas-Sarsat SPOC)	2373001 2384053 2384052	2373222 2384032 2384009	AFTN: FSIAYCYX & FSSSZQZX Email: dcaops@seychelles.net
JRCC SEYCHELLES COAST GUARD	4290900 4224616	4323288	Email: mrcc.seycoast@email.sc
ARCC, CHIEF AIR TRAFFIC SERVICES		2373222	AFTN: FSSSYAYX Email: atcc@scaa.sc
SEYCHELLES RADIO (S7Q)	2375733	2376291	
TOWER CONTROL PORT AND MARINE SERVICES DIVISION	2224701	2224004	

*(Source: BA 45/16)**(23/16)*

8.3

INP 31(6), 2012

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

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, 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.

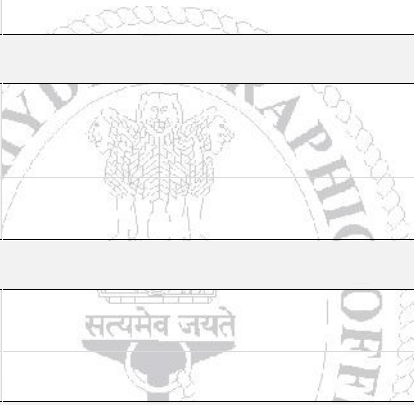
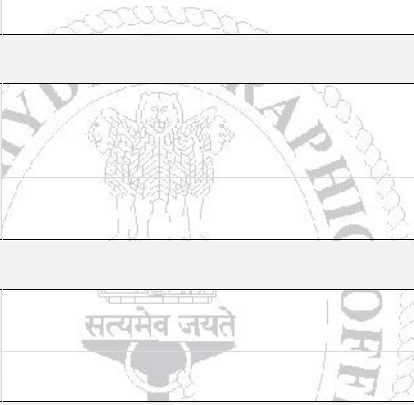
Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes received. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/foreign Notices to Mariners. Further communication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



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

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

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

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

To accompany Indian Notice to Mariners 205/16

Chart 391

SUBMARINE EXERCISE AREA

Submarine exercise in this vicinity. A good lookout is to be kept for them when passing through these waters. See Notices to Mariners Special Edition Notice No. 9.

To accompany Indian Notice to Mariners 205/16

Chart 354 (INT 7408)

SUBMARINE EXERCISE AREA

Submarine exercise in this vicinity. A good lookout is to be kept for them when passing through these waters. See Notices to Mariners Special Edition Notice No. 9.

To accompany Indian Notice to Mariners 205/16

Chart 308

FIRING PRACTICE AREA

Firing practices takes place in this area. For details, see Notices to Mariners Special Edition Notice No. 9.

SUBMARINE EXERCISE AREA

Submarine exercise in this vicinity. A good lookout is to be kept for them when passing through these waters. See Notices to Mariners Special Edition Notice No. 9.

To accompany Indian Notice to Mariners 205/16

Chart 3002 (INT 7410)

FIRING PRACTICE AREA

Firing practices takes place in this area. For details, see Notices to Mariners Special Edition Notice No. 9.

To accompany Indian Notice to Mariners 205/16

Chart 3035

FIRING PRACTICE AREA

Firing practices takes place in this area. For details, see Notices to Mariners Special Edition Notice No. 9.



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: indsar@vsnl.net

NATION WIDE SAR TELE: 1554 (LAND LINE)

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

AFTN: VABBYXYC