



# INDIAN NOTICES TO MARINERS



EDITION NO. 09 DATED 01 MAY 2016

(CONTAINS NOTICES 110 TO 113)

REACH US 24 x 7



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

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



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## II

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

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

**Chief Hydrographer  
to the Government of India**

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

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

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

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

### III

## **EXPLANATORY NOTES**

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

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

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

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

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

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

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

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

**Radio Navigational Warnings.**

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

## IV

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

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

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

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

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

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

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

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

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

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2012	31-03-2016	<b>ALLEPPEY ANCHORAPGE</b> <u>LIMITS</u> 09° 26'.00N; 76° 12'.00E. 09° 32'.60N; 76° 20'.72E.	25,000	3	Rs. 1870.00
		<b>VIZHINJAM ANCHORAGE</b> <u>LIMITS</u> 08° 19'.00N; 76° 54'.00E. 08° 25'.60N; 77° 02'.70E.	25,000		
2016 (INT 7336)	31-03-2016	<b>INNER APPROACHES TO MUMBAI</b> <u>LIMITS</u> 18° 42'.00N; 72° 26'.50E. 19° 02'.70N; 73° 00'.00E.	60,000	2	Rs. 1870.00
2036 (INT 7352)	31-03-2016	<b>DIGHI HARBOUR(MURUD-JANJIRA) AND APPROACHES</b> <u>LIMITS</u> 18° 12'.90N; 72° 46'.00E. 18° 21'.70N; 73° 00'.00E.	25,000	6	Rs. 1870.00
2101 (INT 7347)	29-02-2016	<b>APPROACHES TO HAZIRA</b> <u>LIMITS</u> 20° 52'.05N; 72° 30'.00E. 21° 12'.00N; 72° 43'.85E.	37,500	2	Rs. 1870.00
2525	15-03-2016	<b>APPROACHES TO MANDA BAY</b> <u>LIMITS</u> 02° 19'.00S; 40° 58'.00E. 02° 06'.00S; 41° 17'.80E.	37,500	1	Rs. 1870.00
402 (INT 7436)	31-03-2016	<b>LANDFALL ISLAND TO STEWART SOUND</b> <u>LIMITS</u> 12° 57'.00N; 92° 15'.00E. 13° 48'.00N; 93° 35'.00E	1,50,000	6	Rs. 1870.00
406 (INT 7443)	31-03-2016	<b>LITTLE ANDAMAN ISLAND TO TEN DEGREE CHANNEL</b> <u>LIMITS</u> 09° 45'.40N; 92° 08'.40E. 11° 05'.00N; 93° 00'.00E	1,50,000	6	Rs. 1870.00

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2034 (INT 7349)	29-02-2016	<b>HAZIRA PORT</b> <u>LIMITS</u> 21° 03'.25N; 72° 34'.60E. 21° 08'.75N; 72° 38'.50E.	10,000	2	Rs. 1870.00
2108	29-02-2016	<b>ESSAR BULK TERMINAL</b> <u>LIMITS</u> 20° 59'.80N; 72° 37'.65E. 21° 06'.40N; 72° 42'.30E.	12,500	2	Rs. 1870.00



**VI**

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart/ Edition</i>	<i>Date of Publication</i>
2012	31-08-2010	ALLEPPEY ANCHORAPGE	2012	31-03-2016
2016 (INT 7336)	15-03-2013	INNER APPROACHES TO MUMBAI	2016(INT 7336)	31-03-2016
2034 (INT 7349)	31-01-2013	HAZIRA PORT	2034(INT 7349)	29-02-2016
2036 (INT 7352)	15-03-2014	DIGHI HARBOUR(MURUD-JANJIRA) AND APPROACHES	2036(INT 7352)	31-03-2016
2101 (INT 7347)	31-12-2001	APPROACHES TO HAZIRA	2101(INT 7347)	29-02-2016
2108	31-01-2013	ESSAR BULK TERMINAL	2108	29-02-2016
402	10-07-2003	LANDFALL ISLAND TO STEWART SOUND	402	31-03-2016
406	15-07-2003	LITTLE ANDAMAN ISLAND TO TEN DEGREE CHANNEL	406	31-03-2016

4. The new Indian Electronic Navigational Charts that are 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>
IN52012L	2012	ALLEPPEY ANCHORAGE	28-04-2016
IN52012I	2012	VIZHINJAM ANCHORAGE	28-04-2016
IN52036D	2036	DIGHI HARBOUR AND APPROACHES	28-04-2016
IN52101A	2101	APPROACHES TO HAZIRA	28-04-2016
IN42525A	2525	APPROACHES TO MANDA BAY	28-04-2016

5. The new edition Indian Electronic Navigational Charts that are 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>
IN3402LS	402	LANDFALL ISLAND TO STEWART SOUND	28-04-2016
IN3406LT	406	LITTLE ANDAMAN TO TEN DEGREE CHANNEL	28-04-2016
IN62034P	2034	HAZIRA PORT	28-04-2016
IN62108E	2108	ESSAR BULK TERMINAL	28-04-2016

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52012A	2012	ALLEPPEY ANCHORAGE	30-09-2010
IN52012V	2012	VIZHINJAM ANCHORAGE	30-09-2010
IN52036M	2036	DIGHI HARBOUR AND APPROACHES	15-10-2014
IN52101H	2101	APPROACHES TO HAZIRA	14-10-2004
IN62034P	2034	HAZIRA PORT	28-01-2016
IN62108E	2108	ESSAR BULK TERMINAL	06-03-2013
IN3402LS	402	LANDFALL ISLAND TO STEWART SOUND	18-02-2013
IN3406LT	406	LITTLE ANDAMAN TO TEN DEGREE CHANNEL	18-02-2013

## VII

7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
<b>268 (INT 7353)</b>	<b>CENTRAL LAKSHADWEEP</b>	<b>3,00,000</b>	<b>New Chart</b>
<b>2010</b>	<b>KARWAR NAVAL HARBOUR</b>	<b>12,500</b>	<b>New Edition</b>
<b>2017</b>	<b>NAVLAKHI AND APPROACHES</b>	<b>25,000</b>	<b>New Chart</b>
<b>3017</b>	<b>APPROACHES TO DHAMRA RIVER</b>	<b>50,000</b>	<b>New Chart</b>
<b>202</b>	<b>JAKHAU TO DWARKA</b>	<b>1,50,000</b>	<b>New Chart</b>
<b>4046</b>	<b>RANGAT BAY</b>	<b>10,000</b>	<b>New Chart</b>
<b>4013</b>	<b>APPROACHES TO LACAM HARBOUR</b>	<b>25,000</b>	<b>New Chart</b>
	<b>NEILL ISLAND PIER</b>	<b>10,000</b>	
	<b>LACAM HARBOUR</b>	<b>12,500</b>	
	<b>FUSILIER CHANNEL(NANCOWRY STRAIT)</b>	<b>25,000</b>	

### Availability of ENC's

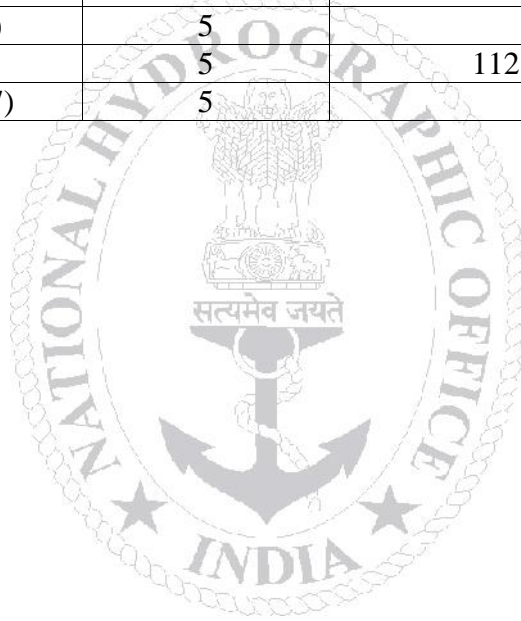
The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's through the world wide network of their agents and distributors. Updates are also made available as per the existing 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 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 110 to 113 contained in this edition is as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	111
31	5	112(T), 113(P)
32(INT 754)	5	112(T), 113(P)
33	5	112(T)
203(INT 7319)	2	110
252 (INT 7325)	2	110
253(INT 7328)	2	111
255(INT 7334)	3	111
292(INT 7021)	2	111
308	5	112(T)
352(INT 7416)	5	112(T)
354(INT 7408)	5	112(T), 113(P)
355(INT 7405)	5	112(T)
357(INT 7397)	5	112(T)
391	5	112(T), 113(P)
3009 (INT 7407)	5	113(P)





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

**\*110 (09/16) INDIA – WEST COAST – Gulf of Kachchh – Jetty.**

Source: NHO.

**Chart 252 (INT 7325)** [previous update 176/15]

Insert Jetty, single firm line joining;

22° 27′.28N., 69° 40′.18E.

22° 26′.94N., 69° 40′.17E.

22° 27′.00N., 69° 40′.17E.

22° 27′.00N., 69° 40′.33E.

22° 26′.77N., 69° 40′.32E.

(a) 22° 26′.49N., 69° 40′.46E.

22° 26′.45N., 69° 40′.56E.

(a) above

22° 26′.44N., 69° 40′.32E.

and

22° 26′.41N., 69° 40′.71E.

22° 26′.15N., 69° 40′.57E.

**Chart 203 (INT 7319)** [previous update 103/16]

Insert Jetty, single firm line joining;

22° 27′.24N., 69° 40′.19E.

22° 26′.90N., 69° 40′.19E.

22° 26′.98N., 69° 40′.19E.

22° 26′.98N., 69° 40′.34E.

22° 26′.73N., 69° 40′.34E.

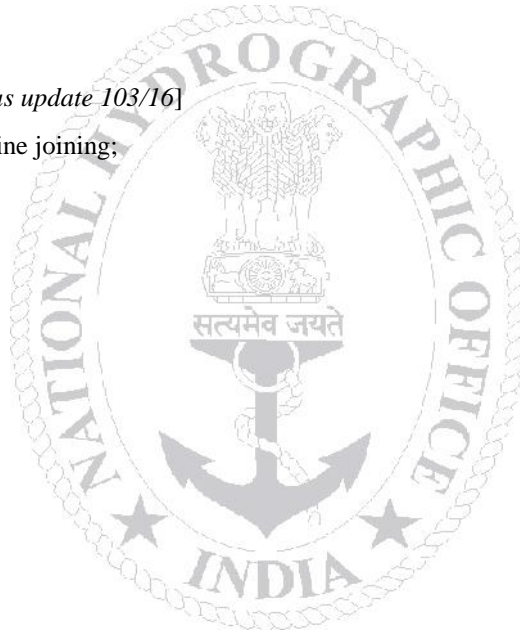
22° 26′.45N., 69° 40′.48E.

22° 26′.40N., 69° 40′.33E.

and

22° 26′.42N., 69° 40′.67E.

22° 26′.14N., 69° 40′.53E.



**\*111 (09/16) India – West Coast – Approaches to Mumbai – Obstruction.**

Source: ODAG.

**Chart 21** [previous update 154/15]

Insert  Obstr

19° 39′.55N., 71° 17′.59E.

**Chart 292 (INT 7021)** [previous update 084/16]

Insert  Obstr

19° 39′.55N., 71° 17′.59E.

**Chart 253 (INT 7328)** [previous update 089/15]

Insert  Obstr

19° 39′.55N., 71° 17′.59E.

**Chart 255 (INT 7334)** [previous update 084/15]

Insert  Obstr

19° 39′.55N., 71° 17′.59E.

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

**\*112(T)/(09/16) INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.**

Source: NIO Goa.

1. Underwater Acoustic Doppler Current Profiler (ADCP) mooring deployed by National Institute of Oceanography, Goa in following positions:-

ADCP Mooring	Positions		Depth (in metres)	Charts affected
*BOPS7	12° 00'.32N	80° 07'.74E	165	32 (INT 754) – 33 – 357 (INT 7397).
*BOPD7	12° 01'.04N	80° 12'.45E	195,625,1027	32 (INT 754) – 33 – 357 (INT 7397).
*BOKS7	16° 15'.08N	82° 07'.17E	183	31 – 32 (INT 754) – 355 (INT 7405) – 391.
*BOKD7	16° 07'.92N	82° 13'.04E	168,500,905	31 – 32 (INT 754) – 355 (INT 7405) – 391.
*BSVS6	17° 03'.58N	83° 03'.61E	168	31 – 32 (INT 754) – 391 – 354 (INT 7408).
*BOVD6	17° 45'.30N	84° 03'.80E	299	31 – 32 (INT 754) – 308 – 354 (INT 7408) – 391.
*BOVS7	17° 47'.48N	83° 58'.36E	170	31 – 32 (INT 754) – 308 – 354 (INT 7408) – 391.
*BSGS6	18° 35'.47N	84° 52'.62E	169	31.
*BOGS8	19° 25'.26N	85° 42'.47E	195	31 – 352 (INT 7416).
*BOGD8	19° 23'.70N	85° 47'.30E	206, 613, 1036	31 – 352 (INT 7416).
*BNBD8	19° 02'.53N	88° 56'.75E	289, 365, 440	31.

\* Indicates new or revised entries.

2. All positions referred to WGS 84 datum.
3. Vessels operating in vicinity are to maintain a safe distance from moorings and exercise caution.
4. **Former INM 191(T)/15 is cancelled.**

**\*113(P)/(09/16) INDIA – EAST COAST – Bay of Bengal – Kakinada – Deep Water Port.**

Source: Kakinada Seaports Ltd.

1. Following works are in progress in the Kakinada deep water port :-
    - (a) Alteration and modification of approach channel entrance.
    - (b) Dredging work for deepening the channel and berths.
    - (c) Laying of new buoys and rearranging the existing one.
    - (d) Construction of berth number 7 in line with berth number 6.
  2. Mariners are advised to navigate with caution and contact port authorities for more information.
- Charts affected – 31 – 32 (INT 754) – 354 (INT 7408) – 391 – 3009 (INT 7407).**

## **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) – Operational

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.

(Source - NAVAREA VIII Warning 100/12)

### 3. **DISPLAY ANOMALIES IN ECDIS**

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

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

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

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

#### **4. SAFETY FAIRWAYS, RECOMMENDED ROUTES, TRAFFIC SEPARATION SCHEME**

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

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

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

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

#### **5. GAGAN SYSTEM COMMISSIONED FOR OPERATIONS**

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

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

#### **6. USAGE OF THURAYA/ IRRIDUM AND SATELLITE PHONE**

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

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


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

#### **7. CAUTIONARY NOTE**

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

### Distribution of Indian Paper Charts and Nautical Publications

Indian Nautical Charts and Publications from National Hydrographic Office, India are now available globally. Details of overseas chart agents are as follows:-

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



**List of Indian Chart Agents**

<p><b>M/s OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: 011-46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p><b>M/s Sterling Book House</b> 181, Dr. DN Road, Fort, Mumbai – 400 001 Tel: 91-22-22612521, Fax: 91-22-22623551 Email : sbh@vsnl.com</p>
<p><b>M/s Global Charts &amp; Nav. Aids Pvt. Limited</b> 1A, Goa Mansion, Ground Floor, 58, Dr. Sunderlal Bahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: sales@globalcharts.in Web: www.globalcharts.com.sg</p>	<p><b>EW Liner Charts &amp; Publication (India)</b> 2/524, Sundeep Road, Chinna Neelangarai, Chennai 600041 Tele/Fax : +91-44-24490668 Mob No : +91-9003245348 Email: maritimeindia@airtelmail.in</p>
<p><b>M/s C &amp; C Marine Combine</b> 25 Bank Street, 1<sup>st</sup> Floor, Mumbai - 400 023 Tel: 91-22- 22660525, 22661937, 22672143 Fax: 91-22-22670896 Email: ccmarine@vsnl.com, sales@ccmarine.in</p>	<p><b>Gujarat Pipavav Port Limited</b> PO – Uchchayya, Dist – Amereli, Gujarat – 365 560 Tele: +91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)</p>
<p><b>M/s SVR Chart Agencies</b> Door No.50-81-35/6, Santhipuram, Seetammappeta, Visakhapatnam – 530 016 Tele Fax: 0891-2799471, Cell: +91 9440132553, 9849120988, 9885308200 Email : mahalakshmitravels@hotmail.com</p>	<p><b>M/s Jeppesen India Pvt. Ltd</b> 505, Raheja Arcade, Sector 11 CBD, Belapur, Navi Mumbai – 400 614 Tel: +91 22 6510 3668, Fax: +91 22 55939504 Mob: +9322238542 Email: RajShekhar.Chakravorty@jeppesen.com, info@jeppesen.com Website: www.jeppesen.com</p>
<p><b>M/s JM Maritime Services</b> 24/24C Kavarana Building, Ground Floor, Wadi Bunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in, charts@mtnl.net.in</p>	<p><b>M/s Global Marine Infratech Pvt. Ltd.</b> Siksha Sandan, Ground Floor, ND-7, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +919937064299 Email: ashiskantha@gmiindia.in Web: www.gmiindia.in</p>
<p><b>Lift o Marine</b> Paper / Digital Charts Allen’s Mansion, Flat C6 Nungi Station Road Kolkata – 700 140, IN Tel: +91 9836972027 / 8902228463 Fax: 033 24924283 Email: sankar@liftmarine.org Web: www.liftmarine.org</p>	<p><b>M/s L. R. Marine Services</b> 301, 3rd Floor, Birya House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-6635 9148 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com</p>
<p><b>M/s Engineering Logistics Executive Multi Services</b> Elems Charts, Door No: 61-4-45-A/4, Prakash Nagar Malkapuram Visakhapatnam – 530 011 Mob: +91 9133871827 Email: sales@elemscharts.in Web: www.elemscharts.in</p>	<p><b>M/s IIC Technologies Limited</b> B-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034 Tel: +91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com</p>
<p><b>M/s Aatash Computer &amp; Communications Pvt. Ltd.</b> 213, Devarc Commercial Complex Nr. Iscom Circle (above Woodland Showroom) S. G. Highway Ahmedabad – 380 015 Mob: +91 7926923982 Email: jyoti@aatash.com, zubin@aatash.com</p>	<p><b>M/s Zenith Surveys (I) Pvt. Ltd.</b> Lakhani’s Plam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com, nyvmane@yahoo.com Web: www.zenithsurvey.com</p>



<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>	
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**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 Apr 16:

**2015 SERIES** –287 334 386 445 486 498 633 646 735

**2016 SERIES** – 027 031 063 064 190 227 228 237 241 243 249 253 256 258 262 269 272 276 290  
291 295 300 303 304 305 306 308 309 310 311 312 313 314 315 316

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

<b>279.</b>	<b>India West Coast - Gulf of Kachchh.</b> Charts 203 INT 71. Salaya channel buoy Dhani (22-36.85N 069-27.75E) re-laid.
2.	Cancel NAVAREA VIII 173 and this MSG.
<b>280.</b>	<b>Cancel NAVAREA VIII 238 and this MSG.</b>
<b>281.</b>	<b>India West Coast – Gulf of Khambhat.</b> Charts 208 254. PIRAM Nais station (21-36N 072-21E) inoperative.
<b>282.</b>	<b>India West Coast – Okha.</b> Charts 21 203 2068 INT 71. Firing by Naval Coast Battery scheduled on 25 Apr 16 from 0530-0730 UTC.
2.	Danger area extending seaward up to 12 nm within bearing 300 to 020 from 22-28.04N 069-04.99E. Safe flying Ht 13 KM.
3.	Cancel this MSG 250830 UTC Apr 16.
<b>283.</b>	<b>India West Coast – South of Mumbai High.</b> Charts 21 293 INT 71. Firing by naval ships scheduled ON 25 Apr 16 from 0630-1730 UTC in area bounded by 18-18N 071-06E, 18-05N 071-37E, 17-43N 071-16E, 17-57N 070-44E.
2.	Cancel this MSG 251830 UTC Apr 16.
<b>284.</b>	<b>Cancel NAVAREA VIII 225 226 265 266 281 and this MSG. INTM 102 104 108(T) 109(T) refers.</b>
<b>285.</b>	<b>India East Coast – Krishnapatnam.</b> Charts 32 356 INT 71. Two fishermen reported missing in vicinity of 14-16N 080-19E.
<b>286.</b>	<b>India East Coast – Bay Of Bengal.</b> Charts 31 32 INT 71. Missile firing by naval ships scheduled from 230130-230730, 271500-271829, 272300-280430 UTC Apr16 in area bounded by 16-13N 083-59E, 15-30N 083-24E, 14-49N 084-34E, 15-10N 085-16E, 15-29N 084-56E. Safe flying Ht 22km.
2.	Cancel this MSG 280530 UTC Apr 16.
<b>287.</b>	<b>Bay Of Bengal, Andaman Sea and South Pacific Ocean.</b> Charts 33 41 INT 71 INT 706. PSLV launch scheduled from 28-30 Apr 16 between 0530 - 0930 UTC from 13-43.9N 080-14.2E.
2.	Danger zone as follows: ZONE -1: circle of 10 NM around launcher. ZONE-2: 13-30N 080-30E, 13-50N 080-35E, 13-35N 081-35E, 13-15N 081-30E. ZONE-3: 13-00N 082-10E, 13-30N 082-15E, 13-05N 084-15E, 12-35N 084-10E. ZONE-4: 12-30N 084-15E, 13-10N 084-25E, 12-55N 085-20E, 12-15N 085-10E. ZONE-5: 11-25N 088-25E, 12-05N 088-35E, 11-45N 089-35E, 11-05N 089-25E. ZONE-6: 09-35N 094-50E, 10-30N 095-05E, 10-15N 095-55E, 09-20N 095-40E. ZONE-7: 18-30S 134-00W, 16-30S 134-00W, 13-00S 112-00W, 08-00S 092-00W, 10-00S 092-00W, 15-00S 112-00W.
3.	Cancel this MSG 301030 UTC Apr 16.
<b>288.</b>	<b>Andaman Sea – Off South Andaman.</b> Charts 41 473 INT 71. Firing practice scheduled daily from 26-27 Apr 16 from 0430-1030 UTC in area bounded by 11-50N 093-40E, 11-50N 094-20E, 12-00N 093-40E, 12-00N 094-20E. Safe flying Ht 5 KM.
2.	Cancel this MSG 271130 UTC Apr 16.
<b>289.</b>	<b>India West Coast – Off Mumbai.</b> Charts 211 255. Utan DGPS (19-17N 072-47E) OFF ON 23 Apr from 0030-1230 UTC.
2.	Cancel this MSG 231330 UTC Apr 16.
<b>290.</b>	<b>Central Andaman Sea –</b> Charts 41 INT 706. MV Polarcus Asima progressing seismic survey till 21 May 16 in area bounded by 13-41N 095-51E, 13-41N 096-16E, 13-00N 096-16E, 13-00N 095-38E 13-20N 095-23E.
2.	Wide berth of 06 nm requested.
3.	Cancel NAVAREA VIII 234 and this MSG 211830 UTC May 16.
<b>291.</b>	<b>Bay Of Bengal And Andaman Sea – off Myanmar.</b> Charts 371 41 INT 706. MV Fugro Supporter progressing survey till 07 May 16 in area bounded by 16-45.1N 093-20.9E, 16-45.1 N 094-18.6E, 16-00.1N 094-09.4E, 16-00.1N 093-20.9E, and till 15 May 16 along line joining 16-31.6N 096-21.1E, 16-18.5 N 096-23.6E, 14-08.6N 098-05.5E, 13-16.8N 096-04.1E.

<b>291. Continued.</b>
2. Wide clearance requested.
3. Cancel NAVAREA VIII 268 and this MSG on 151829 UTC May 16.
<b>292. Indian Ocean – South of Reunion Island.</b> Charts INT 7071. 20 M long green craft reported adrift 23-48.9S 055-26.7E on 210500 UTC Apr 16.
2. Cancel this MSG 251000 UTC Apr 16.
<b>293. India West Coast – off Bhatkal.</b> Charts 22 216 257 293 INT 71. Firing by naval ships scheduled from 0530 to 1130 UTC on 27 Apr 16 in danger area bounded by 13-56.20N 074-13.60E, 14-07.20N 074-25.07E, 14-07.20N 074-13.60E, 13-55.20N 074-25.07E.
2. Cancel this MSG 271230 UTC Apr 16.
<b>294. NAVAREA VIII Warnings in Force as on 22 Apr 16.</b>
<b>2015 Series</b> – 124 287 334 386 445 486 498 633 646 735
<b>2016 Series</b> – 027 031 063 064 190 227 228 232 237 241 242 243 246 249 253 256 258 262 269 272 274 276 282 283 285 286 287 288 289 290 291 292 293
(a) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.
(b) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a> .
(c) Cancel this MSG 291000 UTC Apr 16.
<b>295. India West Coast – off Redi Port.</b> Charts 257 2023 INT 71. Barge Fomento Pausha reported sunk in vicinity of 15-46 N 073-36E. All crew rescued.
2. Caution advised.
<b>296. South Lakshadweep Sea – off Mulaku Atoll.</b> Charts 266 INT 71. Semi submerged wooden vessel OF 30 M length reported adrift in vicinity of 03-10.23N 073-41.58E.
2. Caution advised.
3. Cancel this MSG 281000 UTC Apr 16.
<b>297. Indian Ocean – off Reunion Island.</b> Charts INT 70 71. Gunnery exercise scheduled from 260930 to 271300 UTC Apr 16 in area bounded by 21-12S 054-57E, 21-39.02S 054-33.30E, 21-19.30S 054-25.54E, 21-26S 055-02.30E (.)
2. Cancel this MSG 271400 UTC Apr 16.
<b>298. India East Coast – Chennai.</b> Charts 3004 INT 706. Firing from naval coast battery scheduled on 29 Apr 16 from 0530 - 0730 UTC.
2. Danger sector extending up to 11 nm between bearing 045 and 075 from 13-07.02N 080-18.01E. Safe flying Ht 12.8km.
3. Cancel this MSG 290830 UTC Apr 16.
<b>299. India West Coast – New Mangalore.</b> Charts 217 2052. Suratkal DGPS (13-00N 074-47E) off on 26 Apr 16 from 0030-1230 UTC.
2. Cancel this MSG 261330 UTC Apr 16.
<b>300. India West Coast – Okha.</b> Charts 203 2068 INT 71. INS Sutlej progressing hydrographic survey till 03 May 16 in area bounded by 22-15N TO 22-24N and 069-09E TO 069-31E.
2. Wide berth of 2 nm from ship and survey boat requested.
3. Cancel this MSG 031830 May 16.
<b>301. North Indian Ocean.</b> Charts INT 71. Sri lankan fishing vessel Sankaputha reported missing since 260430 UTC Apr16 in vicinity of 04-06N 078-56E.
2. Cancel this MSG 291000 UTC Apr 16.
<b>302. Cancel NAVAREA VIII 285 and this MSG.</b>
<b>303. India West Coast – Off Mumbai.</b> Charts 255 INT 71. CS Dependable laying cables till 10 May 16 along line joining 18-59.7N 072-34.1E, 18-58.9N 072-32.9E, 18-54.2N 072-27.5E, 18-52.7N 072-23.1E 18-50.3N 072-10.5E, 18-41.4N 072-.09.4E, 18-19.9N 072-06.6E.
2. Wide berth of 1 nm requested.
3. Cancel this MSG 101830 UTC May 16.
<b>304. Andaman Sea – Great Nicobar.</b> Charts 4035. Campbell bay DGPS (06-59N 093-55) off on 30 Apr 16 from 0030 to 1230 UTC.
2. Cancel this MSG 301330 UTC Apr 16.
<b>305. Bay of Bengal and Andaman Sea – off Myanmar.</b> Charts 371 41 INT 706. MV Fugro Equinox and Smart progressing survey till 07 may 16 in area bounded by 16-45.1N 093-20.9E, 16-45.1N 094-18.6E, 16-00.1N 094-09.4E, 16-00.1N 093-20.9E and till 15 May 16 along line joining 16-31.6N 096-21.1E, 16-18.5 N 096-23.6E, 14-08.6N 098-05.5E, 13-16.8N 096-04.1E.
2. Wide clearance requested.
3. Cancel NAVAREA VIII 291 and this MSG on 151829 UTC May 16.
<b>306. India East Coast – Off Nagappattinam.</b> Charts 357 INT 71. Srilankan fishing vessel reported adrift in vicinity of 10-40N 080-29E.
2. Cancel this MSG 011000 UTC May 16.
<b>307. Cancel NAVAREA VIII 287 and this MSG.</b>

<p><b>308. India East Coast – Off Vishakhapatnam.</b> Charts 308 354 INT 706. RV Samudra Kaustubh progressing seismic survey till 13 May 16 in area bounded by 17-35.6N 083-16.1E, 17-23.0N 083-29.3E, 17-12.5N 083-13.1E, 17-26.4N 082-59.0E.</p> <p>2. Wide clearance requested.</p> <p>3. Cancel this MSG 131829 UTC May 16.</p>																				
<p><b>309. India West Coast – Off Mumbai To Gulf Of Khambhat.</b> Charts 292 INT 71. MV Flamboyan will progress survey from 01- 31 May 16 in areas bounded by (a) 19-40 N 071-10 E, 19-39.7N 071-33.6E, 19-10.8N 071-33.1E, 19-11.1N 071-09.6E (b) 19-14.5N 072-02.8E, 19-14.3N 072-12.4E, 19-03.7N 072-12.2E, 19-03.8N 072-02.6E (c) 18-47.7N 072-10.0E, 18-49.7N 072-21.9E, 18-29N 072-24.4E, 18-27.8N 072-12.1E and in vicinity of line joining 19-38.3N, 071-22.8E, 20-20.2N 072-01.4E, 20-31.9N 072-09.4E AND 18-35.1N 071-01.9E, 18-38.1N 071-01.6E, 18-39.2N 070-58.8E</p> <p>2. Wide berth requested.</p> <p>3. Cancel NAVAREA VIII MSG 241 on 301829 UTC Apr 16 and this MSG ON 311829 UTC May 16.</p>																				
<p><b>310. India West Coast – Mumbai To Okha.</b> Charts 21 INT 71. SV Fugro Mapper will progress survey from 01 - 31 May 16 in vicinity of 19-31N 071-19E, 19-08N 072-07E,18-43N 072-13E,18-44N 072-18E,19-19N 71-20E, 18-57N 072-10E, 19-15N 071-21E, 18-39N 072-13E, 19-35N 071-19E, 18-55N 072-18E, 18-50N 072-13E, 20-19N 071-48E, 22-25N 068-33E, 19-11N 072-08E, 19-41N 071-25E, 18-48N 070-52E, 19-29N 071-16E, 19-37N 071-19E, 19-39N 071-17E, 19-11N 072-11E, 21.04N 072-25E</p> <p>2. Wide berth requested.</p> <p>3. Cancel this MSG 311829 UTC May 16.</p>																				
<p><b>311. India East Coast – North Bay Of Bengal.</b> Charts 31 351 352 INT 71. Experimental flight trials scheduled from ITR from 06- 08 May 16 from 0130-0530 UTC in danger zone bounded by 21-27.30N 087-30.55E, 19-42.63N 086-23.27E, 18-37.32N 087-55.38E, 20-21.12N 089-00.30E.</p> <p>2. Cancel this MSG 080630 UTC May 16.</p>																				
<p><b>312. India East Coast – Off Narasapur.</b> Charts 355 INT 706. SV Kohinoor will progress geophysical survey from 01-31 May 16 in area bounded by 16-13.0N 081-37.6E, 16-11.0E, 081-37.1E, 16-04.0N 081-37.9E, 16-08.0N 081-46.1E.</p> <p>2. Wide berth requested.</p> <p>3. Cancel this MSG 311829 UTC May 16.</p>																				
<p><b>313. India East Coast – Off Narasapur.</b> Charts 355 INT 706. SV Teja will progress geotech survey from 01-31 May 16 in area bounded by 16-12.3N 081-37.5E, 16-13.5N 081-38.5E, 16-14.9N 081-40.2E, 16-12.0N 081-44.8E, 16-13.3N 081-43.2E, 16-16.1N 081-42.8E, 16-16.0N 081-42.6E, 16-09.4N 081-43.4E, 16-09.0N 081-45.9E.</p> <p>2. Wide berth requested.</p> <p>3. Cancel NAVAREA VIII MSG 227 ON 301829 UTC Apr 16 and this MSG 311829 UTC May 16.</p>																				
<p><b>314. India West Coast – Kochi.</b> Charts 22 220 2029 INT 71. Firing by naval coast battery scheduled on</p> <table border="1"> <thead> <tr> <th><u>Date</u></th> <th><u>Time (UTC)</u></th> </tr> </thead> <tbody> <tr> <td>03 May 16</td> <td>0900-1200</td> </tr> <tr> <td>06 May</td> <td>0900-1200 and 1230-1430</td> </tr> <tr> <td>10 May</td> <td>0900-1200</td> </tr> <tr> <td>13 May</td> <td>0900-1200</td> </tr> <tr> <td>17 May</td> <td>0900-1200</td> </tr> <tr> <td>20 May</td> <td>0900-1200</td> </tr> <tr> <td>24 May</td> <td>0900-1200 and 1230-1430</td> </tr> <tr> <td>27 May</td> <td>0900-1200</td> </tr> <tr> <td>31 May</td> <td>0900-1200</td> </tr> </tbody> </table> <p>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. Safe flying Ht 10 km.</p> <p>3. Cancel this MSG 311300 UTC May 16.</p>	<u>Date</u>	<u>Time (UTC)</u>	03 May 16	0900-1200	06 May	0900-1200 and 1230-1430	10 May	0900-1200	13 May	0900-1200	17 May	0900-1200	20 May	0900-1200	24 May	0900-1200 and 1230-1430	27 May	0900-1200	31 May	0900-1200
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24 May	0900-1200 and 1230-1430																			
27 May	0900-1200																			
31 May	0900-1200																			
<p><b>315. Cancel NAVAREA VIII MSG 124/15 and this MSG.</b></p>																				
<p><b>316. NAVAREA VIII Warnings in Force as on 29 Apr 16.</b></p> <p><b>2015 Series</b> – 287 334 386 445 486 498 633 646 735</p> <p><b>2016 Series</b> – 027 031 063 064 190 227 228 237 241 243 249 253 256 258 262 269 272 276 290 291 295 300 303 304 305 306 308 309 310 311 312 313 314</p> <p>(a) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.</p> <p>(b) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a>.</p> <p>(c) Cancel this MSG 061000 UTC May 16.</p>																				

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

**NIL**

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

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D6894.6	- Pamanzi. Ldg Lts 141°. Front	12 46.38 S 45 16.39 E	Dir VQ W	11	11	..	Intens 1.5° each side of leading line. *
D7295.75	- - - No 2	19 36.71 N 37 14.64 E	Q(2)G *	11	7	Green Beacon *	
D7297.903	-	29 30.92 N 34 55.59 E	Q R *	*	*	*	*
D7297.905	-	29 30.96 N 34 55.59 E	Q G *	*	*	*	*
D7297.98	Deleted; remove from list						
D7297.995	- Marina	29 32.89 N 34 57.62 E	Fl(2)R 5s *	..	2		
D7297.998	- Marina	29 32.88 N 34 57.67 E	Q(2)G 2s *	..	2		*
D7388.7	Deleted; remove from list						
D7679	Kangan. E Breakwater	27 49.87 N 52 03.37 E	Fl(2)R 6s *	15	7	Red pile beacon *	
D7679.2	- W Breakwater	27 49.83 N 52 03.30 E	Fl(2)G 6s *	15	7	Green pile beacon *	*
F1056.4	Cox's Bazar	21 26.06 N 91 58.32 E	Fl W 15s	54	21	Orange dome on framework tower 7	fl 0.7 TE 2016
	-	..	Racon	..	..	..	ILRS Vol 2 Station 79330



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

**INP 31(1), 2014**

(Last correction: Edition No. 04 dated 16 Feb 2016)

**COAST RADIO STATIONS**

**PAGE 31, MAURITIUS, MAURITIUS MRCC,**

Delete after VHF Table and replace by:

RT (MF)

	Position	Transmits	Receives	Hours of watch
		2800	2800	1900 - 0700

RT (HF)



	Position	Transmits	Receives	Hours of watch
		6700	6700	0700 - 1900
		4250	4250	1900 - 0700
		8100	8100	0700 - 1900

(Source: BA 16/16)

(09/16)

**PAGE 31, MAURITIUS, NATIONAL OIL SPILL CONTINGENCY PLAN (NOSCP) TABLE**

Delete before PROCEDURE section and replace by

 Mauritius Radio (3BM): +230 2110839 & 2085950 Port Control (Port Louis Harbour Radio): +230 2123041 National Coast Guard Operations Room/MRCC Mauritius: +230 2083935 & 2088317	 Mauritius Radio (3BM): +230 2110838 Port Control (Port Louis Harbour Radio): +230 2123094 National Coast Guard Operations Room/MRCC Mauritius: +230 2122757
Inmarsat C: (IOR) 464500096 & 464500097 (Mauritius MRCC)	email: 3bm.mrs@mauritiustelecom.com HarbourRadio@mauport.com opsnoghq@orange.mu & ncgops.mpf@govmu.org ((National Coast Guard Operations Room/ MRCC Mauritius)

(Source: BA 16/16)

(09/16)

**INP 31(2), 2014***(Last correction: Edition No. 07 dated 01 Apr 2016)***RADAR BEACONS****PAGE 24, MALAYSIA (West Coast)**

79950 Mudah Selatan Lt Bn

Delete entry and replace by

<b>Mudah Selatan Lt Bn</b>	01°25'.13N, 103°11'.09E	3	360°			<b>O</b>		<b>79950</b>
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*(Source: BA 13/16)***(09/16)****INP 31(5), 2011***(Last correction: Edition No. 16 dated 16 Aug 2015)***PAGE 174, chapter 10, MAURITIUS, row 1, Email**

Delete entry and replace by

email: ncgops.mpf@govmu.org

opsncghq@orange.mu

**PAGE 174, chapter 10, MAURITIUS, row 5,**

Delete entry and replace by

MRCC MAURITIUS (COAST GUARD OPERATIONS ROOM) (Cospas-Sarsat SPOC)	2083935 2088317	2122757	<b>AFTN FIMPYCYX</b> <b>Inmarsat C</b> 464500096 & 464500097 <b>Iridium</b> +8816 31427193 <b>email</b> ncgops.mpf@govmu.org opsncghq@orange.mu
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**(09/16)***(Source: BA 16/16)***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.

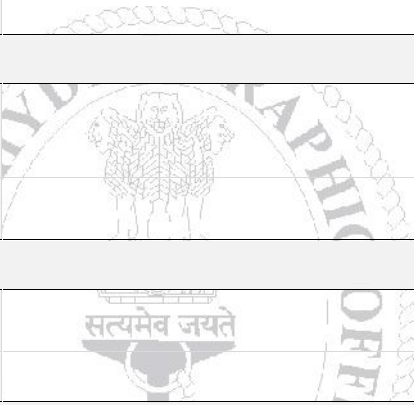
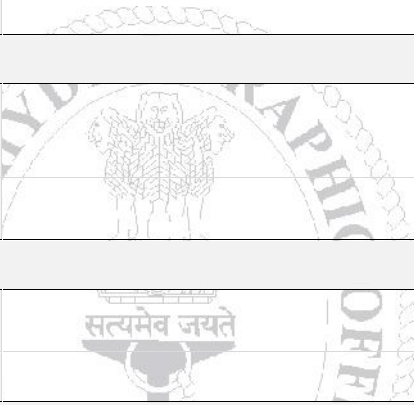


<b>HYDROGRAPHIC NOTE</b>				<b>IH.102 (Revised 2012)</b>	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object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