



# INDIAN NOTICES TO MARINERS



EDITION NO. 19 DATED 01 OCT 2019

(CONTAINS NOTICES 216 TO 225)

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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  
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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 &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
4137	31-07-2019	<b>PORT CORNWALLIS LIMIT</b> 13° 15'.10N; 92° 57'.00E. 13° 23'.70N; 93° 10'.60E.	25,000	6	Rs. 1950.00

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 The Indian Chart permanently withdrawn is as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart/ Edition</i>	<i>Date of Publication</i>
4003	31-07-2003	PORT CORNWALLIS	4137	31-07-2019

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN54137C	4137	PORT CORNWALLIS	23-09-2019
IN42068D	2068	GULF OF KACHCHH DEEP WATER ROUTE	25-09-2019

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN122MBC	22	MUMBAI TO CAPE COMORIN	25-09-2019
IN3214AA	214	VENGURLA TO BETUL	25-09-2019

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 The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN122MBC	22	MUMBAI TO CAPE COMORIN	10-01-2019
IN3214AA	214	VENGURLA TO BETUL	08-08-2019
IN42068K	2068	GULF OF KACHCHH DEEP WATER ROUTE	05-06-2013
IN54003P	4003	PORT CORNWALLIS	13-12-2012

## VI

6. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
219	TELLICHERRY TO TANUR NAGARAM	1,50,000	New Edition
257	MALVAN TO COONDAPOOR	3,00,000	New Edition
258	KUNDAPURA TO BADAGARA	3,00,000	New Edition
259	BADAGARA TO KOCHI	3,00,000	New Edition
273	KADMAT ISLAND TO IHAVANDIFFULU ATOLL	5,00,000	New Edition
304	APP. TO CHANDRABHAGA	1,50,000	New Chart
2006	MINICOY ISLAND	25,000	New Edition
2028	APPROACHES TO RATNAGIRI	60,000	New Edition
2527	MAURITIUS	1,25,000	New Chart

7. The forthcoming Indian Publications are as follows:-

<i>Title of Publication</i>	<i>Edition</i>
Bay of Bengal Pilot (INP - 2)	2019
Indian List of Radio Signals Volume – 1 (INP – 31 (1))	2019
Indian List of Radio Signals Volume – 2 (INP – 31 (2))	2019

### 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 Web site: <a href="http://www.hydro.gov.uk">www.hydro.gov.uk</a>	<b>C-MAP Norway AS</b> Nyaskaiveien 2, 4379 Egersund, Norway Ph: +47 51 464700, +91 2262233326 Mob: +91 9820238542 Fax: +47 51 464701, +91 2267939504 Email: <a href="mailto:enc@c-map.com">enc@c-map.com</a> , <a href="mailto:info@c-map.co.no">info@c-map.co.no</a> Website: <a href="http://www.c-map.com">www.c-map.com</a>
<b>M/s Primar</b> Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: <a href="mailto:data@ecc.no">data@ecc.no</a> Website: - <a href="http://www.primar.org">www.primar.org</a>	<b>M/s IIC Technologies Limited</b> B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad - 500 034 Telangana Tel:+91 4039144444 Fax: +91 4039144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a>

## VII

### TEMPORARY AND PRELIMINARY NOTICES

*In Force as on 01 Oct 2019*

*(Former List dated 01 Jul 2019 is cancelled)*

<b>Cancelled Notices</b>	
<b>Area</b>	<b>Notice No.</b>
1	<i>Nil</i>
2	<i>069/18, 124/19</i>
3	<i>118/18, 146/19, 181/19</i>
4	<i>Nil</i>

#### 1. AFRICA EAST COAST, MADAGASCAR, RED SEA, ARABIA, PERSIAN GULF, PAKISTAN.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
091/19	227 – 2061 – 2099.	INDIAN OCEAN – MALDIVES – Male Atoll – Construction Work.

#### 2. INDIA WEST COAST, LAKSHADWEEP, INDIAN OCEAN.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
121/15	21 – 22 – 292 – 293 – 255 – 211 – 2016.	INDIA – WEST COAST – Inner Approaches to Mumbai – Foul.
127/15	2040.	INDIA – WEST COAST – Porbandar Port – Jetty.
035/16	22 – 272 – 258 (INT 7348) – 218.	INDIA – WEST COAST – Azhikkal Anchorage – Racon.
046/16	202 – 203 (INT 7319) – 2031 (INT 7326) – 2068.	INDIA – WEST COAST – Gulf of Kachchh Deep Water Route – Buoy.
075/16	2016 (INT 7336) – 2015 (INT 7337).	INDIA – WEST COAST – Port of Mumbai – Buoys.
153/16	2061 – 2099.	INDIAN OCEAN – MALDIVES – Male’ Atoll – Sea Bridge.
045/17	2036 – 2103.	INDIA – WEST COAST – Dighi Port – Buoys.
064/17	253 (INT 7328) – 254 (INT 7331) – 207 – 2081 – 2100 (INT 7344).	INDIA – WEST COAST – Approaches to Port Pipavav – Dredging Operation.
105/17	260 (INT 7362) – 261 – 222 – 223 – 2012.	INDIA – WEST COAST – Vizhinjam Anchorage, Alleppey Anchorage – Buoys.
085/18	21 – 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 293 (INT 7022) – 2076 (INT 7338) – 2016 (INT 7336) – 2015 (INT 7337) – 2001.	INDIA – WEST COAST – Mumbai Docks – Construction Work.
116/18	21 – 203 (INT 7319) – 291 – 2080.	INDIA – WEST COAST – GULF of KACHCHH – Gulf of Kachchh Eastern Portion – Unlit Vessel.
134/18	292 (INT 7021) – 293 (INT 7022) – 255 (INT 7334) – 211 – 2016 (INT 7336) – 2076 (INT 7338).	INDIA – WEST COAST – Jawaharlal Nehru Port and Trombay – Construction work.
163/18	21 – 22 (INT 752) – 32 (INT 754) – 291 – 292 (INT 7021) – 293 (INT 7022) – 251 (INT 7318) – 258 (INT 7348) – 259 (INT 7356) – 253 (INT 7328) – 221 – 214 – 261 – 263 (INT 7383) – 272.	INDIA – WEST COAST – Arabian Sea – ADCP Moorings.

## VIII

### 2. INDIA WEST COAST, LAKSHADWEEP, INDIAN OCEAN. (Continued).

164/18	21 – 292(INT 7021) – 253(INT 7328) – 206.	INDIA –WEST COAST – Veraval to Diu Head– Construction work.
037/19	22 – 293 (INT 7022) – 257 (INT 7343) – 214 – 2022 (INT 7345) – 2020.	INDIA– WEST COAST– RACON.
068/19	2028	INDIA – WEST COAST – Approaches to Ratnagiri – Buoys.
076/19	292 (INT 7021) – 293 (INT 7022) – 255 (INT 7334) – 211 – 2016 (INT 7336) – 2076 (INT 7338) – 2123.	INDIA – WEST COAST – Ulwa Channel – Construction Work.
077/19	214 – 215 – 2022 (INT 7345).	INDIA– WEST COAST – Approaches to Murmugao – Buoys.
120/19	21 – 251 (INT 7318) – 252 (INT 7325) – 203 (INT 7319) – 2068 – 2031 (INT 7326) – 2013 (INT 7324).	INDIA – WEST COAST – Gulf of Kachchh – Port of Okha – Construction Work.
121/19	260 (INT 7362) – 259 (INT 7356) – 220 – 2029 (INT 7358) – 2004 (INT 7359) – 2045 (INT 7360).	INDIA – WEST COAST – Port of Kochi – Construction Work.
133/19	21 – 203 (INT 7319) – 252 (INT 7325) – 2033 (INT 7341) – 2083 (INT 7339).	INDIA – WEST COAST – Gulf of Kachchh – sikka Creek – Construction Work.
134/19	3017 – 3038.	INDIA – WEST COAST – Approaches to Dhamra Port – Buoy.
145/19	293 (INT 7022) – 272 – 258 (INT 7348) – 217 – 2359 ( INT 7350) – 2002 (INT 7351).	INDIA – WEST COAST – Ports of New Mangalore and Mangalore – Port Information.
164/19	292 (INT 7021) – 293 (INT 7022) – 255 (INT 7334) – 211 – 2016 (INT 7336) – 2076 (INT 7338) – 2123.	INDIA – WEST COAST – Ulwa Channel – Unlit Vessel.
165/19	2016 (INT 7336) – 2076 (INT 7338) – 2123.	INDIA – WEST COAST – Ulwa Channel – Unlit Vessel.
166/19	2359 (INT 7350) – 2002 (INT 7351).	INDIA – WEST COAST – Ports of New Mangalore and Mangalore – Buoy.
179/19	2083 (INT 7339) – 2033 (INT 7341).	INDIA – WEST COAST – Gulf of Kachchh – Sikka Creek – Mooring Buoy.
180/19	292 (INT 7021) – 253 (INT 7328) – 254 (INT 7331) – 207 – 2081 (INT 7342) – 2100.	INDIA – WEST COAST – Gulf of Khambhat – Approaches to Port Pipavav – Construction Work.
209/19	21 – 22 (INT 752) – 214 – 257 (INT 7343) – 268 (INT 7353) – 273 – 292 (INT 7021) – 293 (INT 7022) – 2020 – 2022 (INT 7345) – 2047 – 2078 (INT 7346) – 7705 (INT 705).	INDIA – WEST COAST – Arabian Sea – Data Buoys and Tsunami Buoy.

### 3. INDIA EAST COAST, ANDAMAN NICOBAR, SRI LANKA, BANGLADESH, MYANMAR.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
094/12	33 – 41 (INT 757) – 402 – 403 – 404 (INT 7439) – 405 – 406 – 407 – 408 – 409 – 471 – 472 (INT 7032) – 473 (INT 7031) – 4016.	INDIA – ANDAMAN SEA – Fish Aggregating Devices.
212/12	3034.	INDIA – EAST COAST – Krishnapatnam Port – Port Development. Dredging.
159/13	31 – 41 (INT757) – 409 – 471 – 472 – 4039.	INDIA – ANDAMAN SEA – Nicobar Island – Campbell Bay – Jetty.
101/16	31 – 352 (INT 7416) – 3041 – 3010 (INT 7418).	INDIA – EAST COAST – Paradip Port – RACON.
121/16	31 – 32 (INT 754) – 391 – 356 (INT 7400).	INDIA – EAST COAST – Chennai (Madras) to Ramayapatnam – Open Sea Cage.
179/16	32 (INT 754) – 357 (INT 7397) – 3003.	INDIA – EAST COAST – Pudduherry Harbour – Data Buoy.



## IX

### 3. INDIA EAST COAST, ANDAMAN NICOBAR, SRI LANKA, BANGLADESH, MYANMAR.

(Continued).

063/18	31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408) – 308 – 3002 (INT 7410) – 3012 (INT 7411).	INDIA – EAST COAST – Vishakhapatnam Harbour – Dredging.
090/18	31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408) – 308 – 3002 (INT 7410) – 3012 (INT 7411).	INDIA – EAST COAST – Vishakhapatnam Harbour – Construction Work.
185/18	32 (INT 754) – 33 (INT 755) – 391 – 356 (INT 7400) – 313 – 3001 (INT 7402) – 3039.	INDIA – EAST COAST – Kattupalli Port – Construction Work.
036/19	409 – 472 – 4039 – 4182.	INDIA – Andaman Sea – Lights.
060/19	32 (INT 754) – 33 (INT 755) – 357 (INT 7397) – 3033.	INDIA – EAST COAST – Karaikal Anchorage – Web Rider Buoy and Current Meter.
078/19	31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408).	INDIA – EAST COAST – Sacramento Shoal to Kalingapatnam – Unexploded Charges.
106/19	31 (INT 756).	BAY OF BENGAL – Northern Portion (Krishnapatnam to Bassein River) – Buoys.
107/19	31 (INT 756).	BAY OF BENGAL – Northern Portion (Krishnapatnam to Bassein River) – Subsea Facilities and Pipeline Inspection.
108/19	41 (INT 757).	BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Drilling Operation.
122/19	31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 352 – 355 (INT 7405) – 356 (INT 7400) – 357 (INT 7397) – 391 – 308.	INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.
123/19	31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408).	INDIA – EAST COAST – Sacramento Shoal to Kalingapatnam – Unexploded Charges.
167/19	31 (INT 756).	INDIAN OCEAN – BAY OF BENGAL – Northern Portion (Krishnapatnam to Bassein River) – Data Buoy.
188/19	4013.	ANDAMAN SEA – INDIA – ANDAMAN ISLANDS – Shaheed Dweep Pier (Neill Island Pier) – Construction Work.
189/19	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Survey.
210/19	31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 41 (INT 757) – 313 – 356 (INT 7400) – 357 (INT 7397) – 391 – 404 (INT 7439) – 405 (INT 7440) – 472 (INT 7032) – 473 (INT 7031) – 4115 – 3001 (INT 7402) – 3004 (INT 7403) – 7706 (INT 706) – 7707 (INT 707).	INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys and Tsunami Buoys.
211/19	4043.	ANDAMAN SEA – INDIA – ANDAMAN ISLANDS – Ariel Bay – Construction Work.

### 4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
135/19	7707 (INT 707).	MALDIVES TO SUMATERA – Data Buoy.

**SECTION – I**

The list of charts affected by the Notices 216 to 225 contained in this edition is as follows:-

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
22 (INT 752)	3	221
31 (INT 756)	5	223
41 (INT 757)	6	225(T)
203 (INT 7319)	2	216
207	2	217, 218, 219
208	2	217, 218, 219
213	3	220
214	3	220
217	4	221
254 (INT 7331)	3	217, 218, 219
257 (INT 7343)	4	220
258 (INT 7348)	4	221
272	4	221
292 (INT 7021)	2	217
293 (INT 7022)	3	220, 221
402 (INT 7436)	6	224
2002 (INT 7351)	4	221
2043	3	220
2044	2	217, 218, 219
2046	3	220
2051 (INT 7333)	2	216
2060 (INT 7332)	2	216
2068	2	216
2124	2	216
2359 (INT 7350)	4	221
3001 (INT 7402)	5	222
3039	5	222

**SECTION – II****PERMANENT NOTICES**

**\*216 (19/19) INDIA – WEST COAST – Salaya Channel – Virtual AIS.**

Source: Essar Bulk Terminal Ltd.


**Chart 203 (INT 7319)** [previous update 109/19]

Insert  V-AIS 22° 30'·36N., 69° 30'·90E.

**Chart 2068** [previous update 143/19]

Insert  V-AIS 22° 30'·21N., 69° 31'·36E.

**Chart 2060 (INT 7332)** [previous update NC 15 Nov 18]

Insert  V-AIS 22° 30'·25N., 69° 31'·35E.

22° 28'·94N., 69° 31'·74E.

22° 29'·01N., 69° 31'·91E.

22° 28'·01N., 69° 32'·16E.

22° 28'·08N., 69° 32'·33E.

22° 27'·09N., 69° 32'·58E.

22° 27'·15N., 69° 32'·74E.

22° 26'·11N., 69° 32'·97E.

22° 26'·20N., 69° 33'·17E.

**Chart 2051 (INT 7333)** [previous update 047/19]

Insert  V-AIS 22° 30'·25N., 69° 31'·35E.

22° 28'·94N., 69° 31'·74E.

22° 29'·01N., 69° 31'·91E.

22° 28'·01N., 69° 32'·16E.

22° 28'·08N., 69° 32'·33E.

22° 27'·09N., 69° 32'·58E.

22° 27'·15N., 69° 32'·74E.

22° 26'·11N., 69° 32'·97E.

22° 26'·20N., 69° 33'·17E.

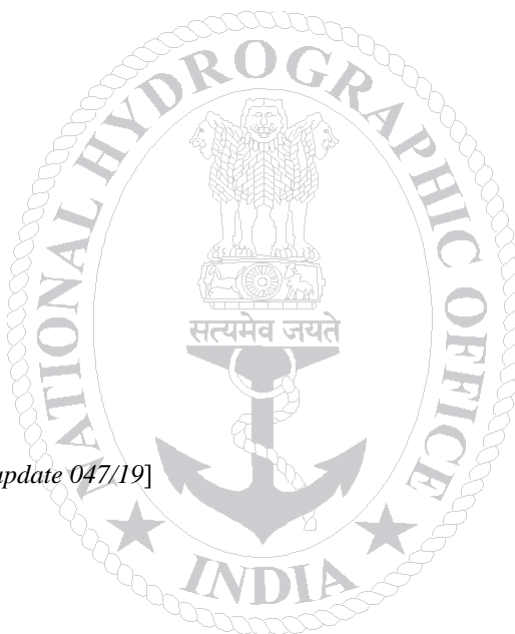
22° 25'·44N., 69° 33'·35E.

22° 25'·58N., 69° 33'·54E.

22° 25'·11N., 69° 33'·73E.

22° 25'·28N., 69° 33'·87E.

22° 24'·76N., 69° 34'·46E.

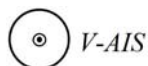


**\*216 (19/19) INDIA – WEST COAST – Salaya Channel – Virtual AIS. (Continued).**

22° 24'·90N., 69° 34'·56E.  
 22° 24'·23N., 69° 35'·44E.  
 22° 24'·37N., 69° 35'·54E.  
 22° 23'·88N., 69° 35'·97E.  
 22° 24'·02N., 69° 36'·07E.  
 22° 23'·81N., 69° 36'·39E.

**Chart 2124** [previous update 04/7/19]

Insert



22° 30'·25N., 69° 31'·35E.  
 22° 28'·94N., 69° 31'·74E.  
 22° 29'·01N., 69° 31'·91E.  
 22° 28'·01N., 69° 32'·16E.  
 22° 28'·08N., 69° 32'·33E.  
 22° 27'·09N., 69° 32'·58E.  
 22° 27'·15N., 69° 32'·74E.  
 22° 26'·11N., 69° 32'·97E.  
 22° 26'·20N., 69° 33'·17E.  
 22° 25'·44N., 69° 33'·35E.  
 22° 25'·58N., 69° 33'·54E.  
 22° 25'·11N., 69° 33'·73E.  
 22° 25'·28N., 69° 33'·87E.  
 22° 24'·76N., 69° 34'·46E.  
 22° 24'·90N., 69° 34'·56E.  
 22° 24'·23N., 69° 35'·44E.  
 22° 24'·37N., 69° 35'·54E.  
 22° 23'·88N., 69° 35'·97E.  
 22° 24'·02N., 69° 36'·07E.  
 22° 23'·81N., 69° 36'·39E.

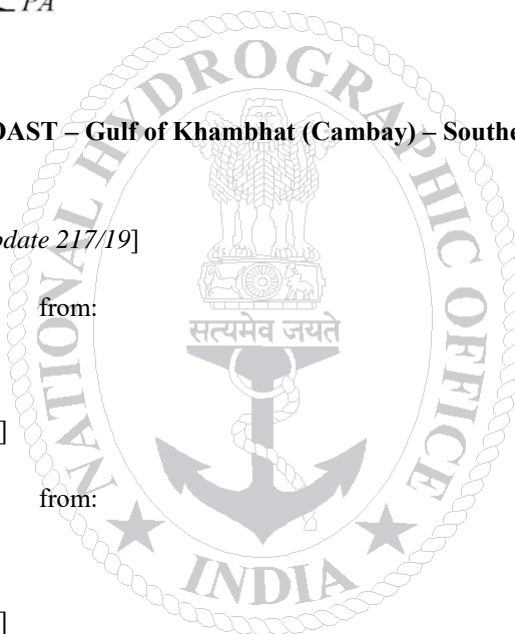


**\*217 (19/19) INDIA – WEST COAST – Gulf of Khambhat (Cambay) – Southern Portion – Wreck.**

Source: INS Sutlej.

**Chart 292 (INT 7021) [previous update 202/19]**Substitute  for  PA 21° 06'·64N., 72° 09'·11E.**Chart 254 (INT 7331) [previous update 184/19]**Substitute  for  PA 21° 06'·61N., 72° 09'·12E.**Chart 207 [previous update 159/19]**Substitute  for  PA 21° 06'·64N., 72° 09'·11E.**Chart 208 [previous update 111/19]**Substitute  for  PA 21° 06'·61N., 72° 09'·12E.**Chart 2044 [previous update 111/19]**Substitute  for  PA 21° 06'·60N., 72° 09'·15E.**\*218 (19/19) INDIA – WEST COAST – Gulf of Khambhat (Cambay) – Southern Portion – Buoy.**

Source: INS Sutlej.

**Chart 254 (INT 7331) [previous update 217/19]**Move  FL.R.3s  
No. 9 from: 21° 02'·50N., 72° 09'·20E.  
to 21° 04'·15N., 72° 10'·61E.**Chart 207 [previous update 217/19]**Move  FL.R.3s  
No. 9 from: 21° 02'·50N., 72° 09'·20E.  
to 21° 04'·18N., 72° 10'·60E.**Chart 208 [previous update 217/19]**Insert  FL.R.3s  
No. 9 21° 04'·15N., 72° 10'·61E.**Chart 2044 [previous update 217/19]**Move  FL.R.3s  
No. 9 from: 21° 02'·50N., 72° 09'·20E.  
to 21° 04'·14N., 72° 10'·64E.


**\*219 (19/19) INDIA – WEST COAST – Gulf of Khambhat (Cambay) – Southern Portion – Buoy and Tower.**

Source: INS Sutlej.

**Chart 254 (INT 7331) [previous update 218/19]**

Delete		21° 28'·25N., 72° 33'·25E.
	 Diffuser	21° 28'·20N., 72° 33'·75E.
		21° 11'·32N., 72° 05'·03E.

**Chart 207 [previous update 218/19]**

Delete		21° 11'·35N., 72° 05'·02E.
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**Chart 208 [previous update 218/19]**

Delete		21° 28'·14N., 72° 33'·20E.
	 Diffuser	21° 28'·14N., 72° 33'·75E.
		21° 11'·32N., 72° 05'·03E.

**Chart 2044 [previous update 218/19]**

Delete		21° 28'·14N., 72° 33'·55E.
		21° 28'·14N., 72° 33'·75E.
		21° 11'·31N., 72° 05'·06E.
		21° 12'·14N., 72° 05'·80E.

**\*220 (19/19) INDIA – WEST COAST – Redi Anchorage – Wreck.**

Source: NHO, Dehradun.

**Chart 293 (INT 7022) [previous update 202/19]**

Substitute	 Wk	for	 Wk	15° 46'·01N., 73° 36'·19E.
Delete	 Wk			15° 45'·90N., 73° 36'·90E.

**Chart 257 (INT 7343) [previous update 152/19]**

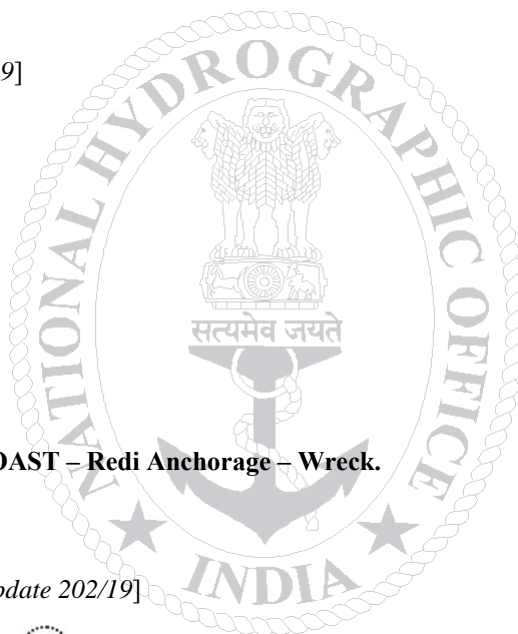
Substitute	 Wk	for	 Wk	15° 45'·95N., 73° 36'·23E.
Delete	 Wk			15° 45'·84N., 73° 36'·94E.



**Chart 213 [previous update NC 30 Jun 19]**

Substitute	 Wk	for	 Wk	15° 46'·01N., 73° 36'·19E.
Delete	 Wk			15° 45'·90N., 73° 36'·90E.

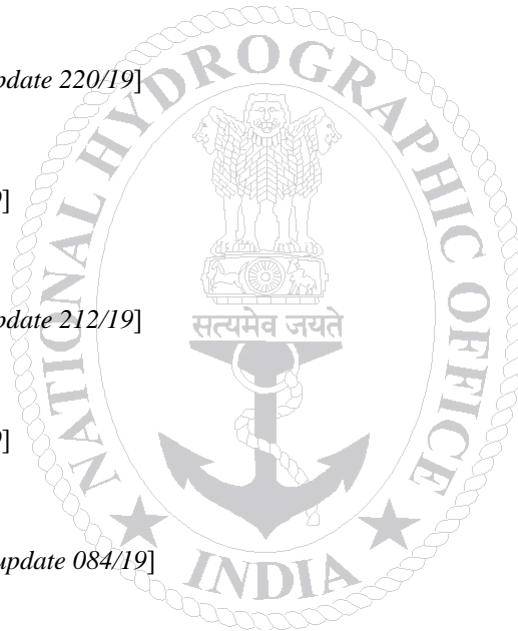
**Chart 214 [previous update NE 30 Jun 19]**

Substitute	 Wk	for	 Wk	15° 46'·01N., 73° 36'·19E.
Delete	 Wk			15° 45'·90N., 73° 36'·90E.



**\*220 (19/19) INDIA – WEST COAST – Redi Anchorage – Wreck. (Continued).****Chart 2043** [previous update 196/19]Substitute  *Wk* for  *Wk* 15° 46'·01N., 73° 36'·19E.Delete  *Wk* 15° 45'·90N., 73° 36'·90E.**Chart 2046** [previous update 195/19]Substitute  *Wk* for  *Wk* 15° 46'·01N., 73° 36'·19E.Delete  *Wk* 15° 45'·90N., 73° 36'·90E.**\*221 (19/19) INDIA – WEST COAST – Ports of New Mangalore and Mangalore – Wreck.**

Source: NMPT.

**Chart 22 (INT 752)** [previous update 212/19]Insert  *PA* 12° 56'·35N., 74° 46'·20E.**Chart 293 (INT 7022)** [previous update 220/19]Insert  *PA* 12° 56'·35N., 74° 46'·20E.**Chart 272** [previous update 212/19]Insert  *PA* 12° 56'·35N., 74° 46'·20E.**Chart 258 (INT 7348)** [previous update 212/19]Insert  *PA* 12° 56'·35N., 74° 46'·20E.**Chart 217** [previous update 084/19]Insert  *PA* 12° 56'·35N., 74° 46'·20E.**Chart 2359 (INT 7350)** [previous update 084/19]Insert  *PA* 12° 56'·35N., 74° 46'·20E.**Chart 2002 (INT 7351)** [previous update 084/19]Insert  *PA* 12° 56'·35N., 74° 46'·20E.

**\*222 (19/19) INDIA – EAST COAST – Kattupalli Port – Leading Light and Legend.**

Source: Kattupalli Port.

**Chart 3001 (INT 7402)** [previous update NE 30 Sep 18]

Delete  QFl.26m5M 13° 18'·40N., 80° 20'·80E.  
 Delete  Oc.4s32m5M 13° 18'·47N., 80° 20'·48E.

**Chart 3039** [previous update 186/19]

Delete  QFl.26m5M 13° 18'·40N., 80° 20'·80E.  
 Delete  Oc.4s32m5M 13° 18'·47N., 80° 20'·48E.

leading line, joining:

13° 18'·47N., 80° 20'·48E.

13° 17'·94N., 80° 22'·87E.

legend “2 Lts ≠ 282,7<sup>00</sup>”, centered on:

13° 18'·12N., 80° 22'·11E.

**\*223 (19/19) INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Wreck.**

Source: Bangladesh Notice 34(T)/19 &amp; 35(T)/19.

**Chart 31 (INT 756)** [previous update 208/19]

Insert  22° 08'·08N., 91° 33'·40E.  
 Insert  21° 28'·00N., 90° 05'·45E.

<b>*224 (19/19)</b>	<b>Miscellaneous updates to charts.</b>	
Source: NHO Dehradun.		
<b>Chart No.</b>	<b>Previous Updates</b>	<b>Details</b>
<b>402 (INT 7436)</b>	171/18	Insert Chart No. 4137 and Magenta limit as follows: 13° 15'·10N., 92° 57'·00E. 13° 23'·70N., 92° 57'·00E. 13° 23'·70N., 93° 10'·60E. 13° 15'·10N., 93° 10'·60E. 13° 15'·10N., 92° 57'·00E.
		Delete Chart No. 4003 and Magenta limit as follows: 13° 12'·80N., 93° 00'·00E. 13° 21'·40N., 93° 00'·00E. 13° 21'·40N., 93° 07'·00E. 13° 12'·80N., 93° 07'·00E. 13° 12'·80N., 93° 00'·00E.



**SECTION – III****TEMPORARY AND PRELIMINARY NOTICES****\*225 (T) (19/19) BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Survey.**

Source: Myanmar Notice 36/19.

1. Drilling operation will be carried out by semi-submersible drilling rig Noble Cylde Boudreaux in the area bounded by the following coordinates:-

Sl. No.	Position
(a)	14° 27′·29N., 094° 49′·00E.
(b)	14° 27′·40N., 095° 16′·34E.
(c)	14° 19′·69N., 095° 16′·36E.
(d)	14° 19′·69N., 095° 29′·80E.
(e)	14° 00′·00N., 095° 29′·84E.
(f)	14° 00′·00N., 094° 49′·00E.
(g)	14° 27′·29N., 094° 49′·00E.

2. Mariners are advised to navigate with caution in the area and contact Port authority for latest information.

**Charts affected – 41 (INT 757).**



## SECTION – IV

### MARINE INFORMATION

#### 1. NAVTEX TRANSMISSION

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

Mauritius (Cassis) - Operational

Seychelles (Mahe) - Operational

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

<b>INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz</b>								
Sl.	Station Name	B1	Broad Cast Timings in UTC					
(a)	Veraval	H	0110	0510	0910	1310	1710	2110
(b)	Vengurla 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 crews 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 [icgmrec\\_mumbai@mtnl.net](mailto:icgmrec_mumbai@mtnl.net). Any suspicious activity of skiffs/boats to be photographed if possible. Merchant vessels with armed guards on board are to report presence of guards to Indian Navy/Coast Guard while transiting Indian EEZ.

#### 3. DISPLAY ANOMALIES IN ECDIS

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

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

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

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

The Director General Shipping has established Safety fairways, recommended routes and traffic separation scheme (TSS) in restricted Indian waters including the offshore development area to enhance safety of navigation. The details of coordinates for the above have been published in the fortnightly Indian Notices to Mariners Edition No 07 of 2018(01<sup>st</sup>April 2018).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



### List of Indian Chart Agents

<p><b>OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a></p>	<p><b>M/s VDO Marine Insrtuments</b> Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow &amp; Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: <a href="mailto:atmain@md4.vsnl.net.in">atmain@md4.vsnl.net.in</a></p>
<p><b>M/s Global Charts &amp; Nav. Aids Pvt. Limited</b> 1A, Goa Mansion, Ground Floor, 58, Dr. SunderlalBahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: <a href="mailto:sales@globalcharts.in">sales@globalcharts.in</a> Web: <a href="http://www.globalcharts.com.sg">www.globalcharts.com.sg</a></p>	<p><b>SMS Marine Private Ltd</b> 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a> , <a href="mailto:raj.chakravorty@smsmap.com">raj.chakravorty@smsmap.com</a> Web: <a href="http://www.smsmaps.co.in">www.smsmaps.co.in</a></p>
<p><b>M/s C &amp; C Marine Combine</b> 25 Bank Street, 1<sup>st</sup> Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: <a href="mailto:vijay@ccmarine.in">vijay@ccmarine.in</a>, <a href="mailto:sales@ccmarine.in">sales@ccmarine.in</a></p>	<p><b>M/s Global Marine Infratech Pvt. Ltd.</b> SikshaSandan, Ground Floor, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +91-9337477799, 7077702499 Email: <a href="mailto:tusarkantha@gmiindia.in">tusarkantha@gmiindia.in</a> Web: <a href="http://www.gmiindia.in">www.gmiindia.in</a></p>
<p><b>M/s JM Maritime Services</b> 24/24C Kavarana Building, Ground Floor, WadiBunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : <a href="mailto:jmms@mtnl.net.in">jmms@mtnl.net.in</a> , <a href="mailto:charts@mtnl.net.in">charts@mtnl.net.in</a></p>	<p><b>L. R. Marine Services</b> 301, 3rd Floor, Biry House, 265, PerinNariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: <a href="mailto:lrcharts@gmail.com">lrcharts@gmail.com</a>, <a href="mailto:lrmarine@live.com">lrmarine@live.com</a></p>
<p><b>M/s Lift o Marine</b> Allen’s Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: <a href="mailto:sankar@liftomarine.org">sankar@liftomarine.org</a>, <a href="mailto:liftomarine77@gmail.com">liftomarine77@gmail.com</a> Web: <a href="http://www.liftomarine.org">www.liftomarine.org</a></p>	<p><b>IIC Technologies Limited</b> 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> <a href="mailto:sanjeev.sharma@iictechnologies.com">sanjeev.sharma@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a></p>
<p><b>M/s Zenith Surveys (I) Pvt. Ltd.</b> Lakhani’sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: <a href="mailto:zenithsurveys703@gmail.com">zenithsurveys703@gmail.com</a> <a href="mailto:nyvmane@yahoo.com">nyvmane@yahoo.com</a> Web: <a href="http://www.zenithsurvey.com">www.zenithsurvey.com</a></p>	

**SECTION – V****NAVAREA – VIII WARNINGS IN FORCE**

1. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2016.

2. NAVAREA VIII Warnings in force as on 30 Sep 19:-

**2018 SERIES** – 758

**2019 SERIES** – 024 088 199 287 289 368 369 392 479 523 549 586 591 621 659 682 687 688 689  
692 693 694 698 706 707 708 711 714 715 716 717 718 719 720 721 722 723

3. NAVAREA VIII Warnings issued during the period from 16 Sep 19 to 30 Sep 19 (both dates inclusive) are as tabulated below:-

<p><b>683. Andaman Sea – off Barren.</b> Charts IN 41 473 INT 7031. Firing by CG Aircraft scheduled on 19, 20, 26, 27 Sep 19 from 0430 to 0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised.</p> <p>2. Cancel this MSG 271030 UTC Sep 19.</p>												
<p><b>684. India West Coast – off Bhatkal.</b> Charts IN 216 257 2356 INT 7343. Firing by Naval Ships scheduled on 19 Sep 19 from 0630 to 1330 UTC in danger area bounded within 13-56.2N to 14-07.2N and 074-13.6E to 074-25.07E. Wide berth from area advised.</p> <p>2. Cancel this MSG 191430 UTC Sep 19.</p>												
<p><b>685. India West Coast.</b> Charts IN 2040 INT 7325. Porbander DGPS (21-37N 069-37E) off from 180130 to 191230 UTC Sep 19.</p> <p>2. Cancel this MSG 191230 UTC Sep 19.</p>												
<p><b>686. Central Arabian Sea.</b> Chart INT 71. SLFV Ranmina reported adrift 10-00N 065-00E at 171230 UTC Sep 19.</p> <p>2. Cancel this MSG 201230 UTC Sep 19.</p>												
<p><b>687. Bay of Bengal and Andaman Sea.</b> Charts IN 473 INT 7031. RV MGS Sagar progressing geophysical survey in area (A) 14-47.93N 091-35.85E, 14-19.52N 092-19.47E, 13-29.4N 091-52.11E, 13-28.75N 091-35.63E (B) 11-36N 091-51.33E, 12-03.93N 091-56.45E, 12-05.9N 091-59.2E, 13-28.51N 092-12.58E, 13-28.91N 092-25.77E, 13-04.51N 092-17.5E, 12-55.27N 092-24.38E, 12-39.73N 092-19.06E, 12-20.65N 092-16.11E, 12-01.77N 092-17.3E, 11-56.45N 092-13.17E, 11-46.42N 092-12.38E, 11-41.5N 092-06.48E, 11-36.18N 092-05.1E. Wide berth requested.</p> <p>2. Cancel NAVAREA VIII MSG 634/19 and this MSG 301830 UTC Oct 19.</p>												
<p><b>688. India East Coast.</b> Charts IN 354 355 INT 756. Rig list:-</p> <table border="0"> <tr> <td>Deep Driller 8</td> <td>16-40.09N 082-25.43E</td> </tr> <tr> <td>DDKG 1</td> <td>16-27.04N 082-41.70E New</td> </tr> <tr> <td>Essar Wildcat</td> <td>16-33.17N 082-26.49E</td> </tr> <tr> <td>SSV Louisiana</td> <td>16-59.34N 082-26.20E New</td> </tr> <tr> <td>Olinda Star</td> <td>16-18.69N 082-17.81E New</td> </tr> <tr> <td>DSR Platinum Explorer</td> <td>16-23.05N 082-21.63E</td> </tr> </table> <p>2. Wide berth requested.</p> <p>3. Cancel NAVAREA VIII MSG 655/19.</p>	Deep Driller 8	16-40.09N 082-25.43E	DDKG 1	16-27.04N 082-41.70E New	Essar Wildcat	16-33.17N 082-26.49E	SSV Louisiana	16-59.34N 082-26.20E New	Olinda Star	16-18.69N 082-17.81E New	DSR Platinum Explorer	16-23.05N 082-21.63E
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SSV Louisiana	16-59.34N 082-26.20E New											
Olinda Star	16-18.69N 082-17.81E New											
DSR Platinum Explorer	16-23.05N 082-21.63E											
<p><b>689. Andaman Sea – off Barren I.</b> Charts IN 473 INT 7031. INS Nirupak progressing hydrographic survey in areas (A) 13-21.4N 094-12E, 13-30N 094-12E, 13-30N 094-18.7E, 13-21.4N 094-18.7E (B) 12-12.4N 093-47.3E, 12-21N 093-47.3E, 12-21N 093-54E, 12-12.4N 093-54E. Wide berth from Ship and Survey Boats requested.</p> <p>2. Cancel this MSG 031830 UTC Oct 19.</p>												
<p><b>690. Andaman Sea – off Irrawaddy.</b> Charts BA 830 INT 757. MV Vespucci progressing seismic survey in area bounded by 13-42.81N 096-10.16E, 13-31.96N 096-18.87E, 13-31.94N 096-53.01E, 14-00N 096-52.76E, 14-00N 096-09.95E. Wide berth of 5 NM requested.</p> <p>2. Cancel this MSG 302359 UTC Sep 19.</p>												
<p><b>691. Andaman Sea – off Irrawaddy.</b> Charts BA 823 INT 7438. MV Java Imperia progressing geophysical survey in area bounded by 14-56.57N 093-47.23E, 14-56.56N 093-50.02E, 14-53.85N 093-50.01E, 14-53.86N 093-47.22E. Wide berth of 2.5 NM requested.</p> <p>2. Cancel this MSG 302359 UTC Sep 19.</p>												
<p><b>692. Andaman Sea – off Irrawaddy.</b> Charts BA 830 INT 757. Drilling Rig Noble Cyilde Boudreaux progressing drilling in area bounded by 14-27.28 094-49E, 14-27.39N 095-16.33E, 14-19.68N 095-16.36E, 14-19.69N 095-29.79E, 14-00N 095-29.84E, 14-00N 094-49E. Wide berth of 2.5 NM requested.</p> <p>2. Cancel this MSG 302359 UTC Dec 19.</p>												
<p><b>693. Andaman Sea – Yangon River.</b> Chart BA 833 INT 757. Wreck Buoy FI Y 3S laid 16-45.46N 096-10.73E. Wide berth advised.</p>												

<p><b>694. Andaman Sea – Yangon River.</b> Chart BA 833 INT 757. Buoys Lower Monkey Point, Hmawun Lump, New Upper Spit, New Centre Spit shifted to 16-45.61N 096-12.27E, 16-34.20N 096-15.25E, 16-25.95N 096-20.75E, 16-25.4N 096-20.3E. Buoys Center Spit, Lower Spit, Center Western, Lower Western removed.</p> <p>2. Cancel NAVAREA VIII MSG 553/19.</p>
<p><b>695. India West Coast – off Mormugao.</b> Charts IN 257 293 INT 7022. Firing by Naval Ships scheduled on 25 Sep 19 from 0030 to 0730 UTC in danger area bounded by 15-25N 072-23E, 15-25N 073-16E, 14-39N 073-39E, 14-39N 072-46E. Wide berth from area advised.</p> <p>2. Cancel this MSG 250830 UTC Sep 19.</p>
<p><b>696. India East Coast – off Gopalpur.</b> Charts IN 352 353 INT 7413. Army Air Defence Firing and BPTA Flight scheduled from 25 to 30 Sep 19 from 0130 to 0830 and 0930 to 1430 UTC in danger area bounded by (A) 19-14.6N 084-53.7E (B) 19-07.39N 085-35.94E (C) 18-33.61N 084-53.74E and arc of 40 NM radius joining point B and C. Wide berth from area advised.</p> <p>2. Cancel this MSG 301530 UTC Sep 19.</p>
<p><b>697. India West Coast - off Mormugao.</b> Charts IN 257 293 INT 7022. Firing by Naval Ships scheduled from 251930 to 291830 UTC Sep 19 in danger area bounded by 14-15N 072-52E, 14-20N 071-52E, 15-30N 071-48E, 16-09N 072-44.5E, 15-17N 073-21E. Wide berth from area advised.</p> <p>2. Cancel this MSG 291930 UTC Sep 19.</p>
<p><b>698. India East Coast – off Chennai.</b> Chart 3001 INT 7402. Pulicat DGPS (13-25N 080-20E) off.</p>
<p><b>699. Navarea VIII warnings in force as on 20 Sep 2019:-</b>  <b>2018 Series</b> – 758  <b>2019 Series</b> – 024 088 199 287 289 368 369 392 479 523 549 570 586 591 621 645 647 659 669 671 676 682 683 687 688 689 690 691 692 693 694 695 696 697 698  (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></p> <p>2. Cancel this MSG 270930 UTC Sep 19.</p>
<p><b>700. South Bay of Bengal.</b> Chart 33 INT 755. SLFV Imul A24 reported adrift 07-22N 086-15E at 201200 UTC Sep 19.</p> <p>2. CANCEL THIS MSG 231200 UTC SEP 19.</p>
<p><b>701. India West Coast - off Mormugao.</b> Charts IN 257 293 INT 7022. Under water firing by Naval Ships scheduled from 251930 to 291830 UTC Sep 19 in danger area bounded by 14-15N 072-52E, 14-20N 071-52E, 15-30N 071-48E, 16-09N 072-44.5E, 15-17N 073-21E. Wide berth from area advised.</p> <p>2. Cancel NAVAREA VIII MSG 697/19 and this MSG 291930 UTC Sep 19.</p>
<p><b>702. India West Coast - off Mormugao.</b> Charts IN 257 293 INT 7022. Surface and Air Firing by Naval Ships scheduled from 270130 to 281830 UTC Sep 19 in danger area bounded by 14-15N 072-52E, 14-20N 071-52E, 15-30N 071-48E, 16-09N 072-44.5E, 15-17N 073-21E. Wide berth from area advised.</p> <p>2. Cancel this MSG 281930 UTC Sep 19.</p>
<p><b>703. India East Coast- Chennai.</b> Charts IN 313 3001 INT 7402. Firing by Naval Coast Battery scheduled on 27 Sep 19 from 0530 to 0730 UTC.</p> <p>2. Danger sector extending upto 11 NM between bearing 045 and 075 from 13-07.02N 080-18.01E. Wide berth from area advised.</p> <p>3. Cancel this MSG 270830 UTC Sep 19.</p>
<p><b>704. India West Coast – off Ezhimala.</b> Charts IN 218 258 2118 INT 7348. Firing by Navy scheduled on 27 Sep 19 from 1130 to 1430 UTC in danger area bounded by 12-00.4N 075-12.1E, 11-57.4N 075-10.6E, 12-01.8N 075-08.7E, 12-01.0N 075-11.8E. Wide berth from area advised.</p> <p>2. Cancel this MSG 271530 UTC Sep 19.</p>
<p><b>705. India West Coast – Gopnath.</b> Charts IN 2044 INT 7331. DGPS (21-12N 072-07E) off from 240130 to 251230 UTC Sep 19.</p> <p>2. Cancel this MSG 251230 UTC Sep 19.</p>
<p><b>706. India West Coast – Salaya Hr.</b> Charts IN 2068 INT 7333. Kalubhar Tapu LT (22-26N 069-35E) unlit.</p>
<p><b>707. India West Coast – off Mumbai.</b> Charts IN 211 INT 7334. Chaul Kadu LT (18-36N 072-51E) unlit.</p>
<p><b>708. India East Coast – off Chennai.</b> Chart 3001 INT 7402. Pulicat Racon (13-25N 080-20E) off.</p>
<p><b>709. India West Coast – off Daman.</b> Charts IN 209 254 INT 7331. Firing by CG Aircraft scheduled on 30 Sep 19 from 0230 to 1230 UTC in danger area bounded within 20-26N to 20-40N and 072-27E to 072-40E. Wide berth from Area advised.</p> <p>2. Cancel this MSG 301300 UTC Sep 19.</p>
<p><b>710. Indian Ocean – off Port Louis.</b> Chart BA 712 INT 7730. Derelict Fishing Boat reported adrift 19-54.6S 056-21.1E. Wide berth advised.</p> <p>2. Cancel this MSG 281200 UTC Sep 19.</p>
<p><b>711. Bay of Bengal - off Irrawaddy.</b> Chart BA 818 INT 7433. Fishing Boat Shwe Nga5 reported sunk 15-49.5N 094-11.9E. Wide berth advised.</p>
<p><b>712. Andaman Sea – off Irrawaddy.</b> Charts BA 830 INT 757. MV Vespucci progressing seismic survey in area bounded by 14-03N 096-01E, 14-03N 096-40E, 13-27N 096-40E, 13-27N 096-11E, 13-40N 096-01E.</p>

<p><b>712. Continued.</b>  2. Vessel towing 06 cables of 4.6 NM. Wide berth requested.  3. Cancel NAVAREA VIII MSG 690/19 and this MSG 292359 UTC Sep 19.</p>
<p><b>713. India East Coast – off Paradip.</b> Charts IN 31 351 352 INT 756. Experimental Flight Trial scheduled from ITR on 30 Sep and 01 Oct 19 from 0430 to 0630 and 0930 to 1130 UTC in danger zone bounded by 21-22.59N 086-56.31E, 21-21.98N 086-55.86E, 21-19.15N 086-54.48E, 21-07.57N 086-50.50E, 20-37.98N 087-13.95E, 19-02.28N 088-36.65E, 19-23.15N 089-02.90E, 20-58.14N 087-39.59E, 21-24.97N 087-12.66E, 21-23.32N 086-59.81E. Wide berth from area advised.  2. Cancel this MSG 011230 UTC Oct 19.</p>
<p><b>714. India West Coast – Kochi.</b> Charts IN 220 259 2029 INT 7356. Firing by Naval Coast Battery scheduled on 01, 11, 18, 22, 29 Oct from 0900 to 1200 UTC and 04, 15, 25 Oct 19 from 0900 to 1200 and 1230 to 1430 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. Wide berth from area advised.  2. Cancel this MSG 291300 UTC Oct 19.</p>
<p><b>715. India West Coast – off Mormugao.</b> Charts IN 257 293 INT 7022. Firing by Naval Ships scheduled on 02 Oct 19 from 0800 to 1500 UTC in danger area bounded by 15-25N 072-23E, 15-25N 073-16E, 14-39N 073-39E, 14-39N 072-46E. Wide berth from area advised.  2. Cancel this MSG 021600 UTC Oct 19.</p>
<p><b>716. Andaman Sea – off Barren.</b> Charts IN 41 473 INT 7031. Firing by CG Aircraft scheduled on 03, 04 Oct 19 from 0430 to 0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised.  2. Cancel this MSG 041030 UTC Oct 19.</p>
<p><b>717. NAVAREA VIII warnings in force as on 27 Sep 2019:-</b>  <b>2018 Series</b> – 758  <b>2019 Series</b> – 024 088 199 287 289 368 369 392 479 523 549 570 586 591 621 645 659 669 682 687 688 689 691 692 693 694 696 698 701 702 706 707 708 709 710 711 712 713 714 715 716  (A) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.  (B) Text of NAVAREA VIII warnings in force including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a>  2. Cancel this MSG 040930 UTC Oct 19.</p>
<p><b>718. Central Bay of Bengal.</b> Chart IN 33 INT 755. SLFV Kensa reported adrift 12-42N 085-18E at 280325 UTC Sep 19.  2. Cancel this MSG 010325 UTC Oct 19.</p>
<p><b>719. Lakshadweep Sea – off Cape Comorin.</b> Chart IN 32 INT 754. SLFV Lakshi Duwal reported adrift 07-06N 076-21E at 280230 UTC Sep 19.  2. Cancel this MSG 010230 UTC Oct 19.</p>
<p><b>720. India West Coast - off Trivandrum.</b> Charts IN 222 223 260 INT 7362. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 04, 09, 10 Oct 19 from 0530 to 0730 UTC.  2. Danger zone as follows:-  <b>Zone -1:</b> Radius of 05 NM from launcher between azimuth 190 and 300.  <b>Zone -2:</b> Radii of 45 and 75 NM from launcher between azimuth 220 and 260.  3. Wide berth from area advised.  4. Cancel this MSG 100830 UTC Oct 19.</p>
<p><b>721. Cancel NAVAREA VIII MSG 713/19 and this MSG.</b></p>
<p><b>722. India East Coast – off Chennai.</b> Charts IN 313 356 391 INT 7400. Rocket launch from Sriharikota (13-41N 080-14E) scheduled on 04 Oct from 0830 to 1000 UTC and 05, 06, 07, 08, 09, 10 Oct 19 from 0600 to 0730 UTC.  2. Danger zone as follows:-  <b>Zone -1:</b> Circle of 10 NM around launcher.  <b>Zone -2:</b> Radii of 45 and 75 M from launcher between azimuth 080 and 120.  3. Wide berth from area advised.  4. Cancel this MSG 100830 UTC Oct 19.</p>
<p><b>723. India West Coast– Gulf of Khambhat.</b> Charts IN 207 INT 7331. Narmada Channel Buoy 4 missing and Buoy 5 unlit.  2. Cancel NAVAREA VIII MSG 570/19.</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
D7671.4	- No 24	28 59.86 N 50 50.12 E	Fl(2)R 6s	4	7	Red pile beacon	
							*
F0950	Pulicat	13 25.28 N 80 19.58 E	Fl W 5s	53	26	White 6-sided concrete tower, black bands 50	TE 2019
	-	..	Racon	..	..	..	ILRS Vol 2 Station 79150
	-	..	AIS	..	..	..	MMSI No 004194426
							*
F1044.1	PUSSUR RIVER - Karamjal	22 25.19 N 89 35.85 E	Fl W 5s	10	5		
	*	*	*	*	*	*	*
F1044.2	- Base Creek	22 22.53 N 89 37.77 E	Fl W 5s	10	5		
	*	*	*	*	*	*	*
F1044.3	- Hamid Point	22 09.52 N 89 33.80 E	Fl W 5s	10	5		
	*	*	*	*	*	*	*
F1044.4	- Sundar Kota Reach	22 09.07 N 89 35.46 E	Fl W 5s	10	5		
	*	*	*	*	*	*	*
F1044.6	- Ghusaingari Khal	22 04.80 N 89 35.51 E	Fl W 5s	10	5		
	*	*	*	*	*	*	*
F1697.96	PULAU BATAM. TELUK JODOH Remove from list; deleted						
F1697.984	- Ldg Lts 177.3°. Front	01 08.40 N 104 03.66 E	Q W 1s	5	3	White Δ on beacon	fl 0.5
	*						
F1697.985	- Ldg Lts 177.3°. Rear	01 08.23 N 104 03.66 E	Iso W 4s	5	3	White ▽ on beacon	fl 2
	*						
F1697.987	- Ldg Lts 026°. Front	01 08.69 N 104 03.74 E	Iso W 2s	5	3	White Δ on beacon	fl 1
	*						
F1697.988	- Ldg Lts 026°. Rear	01 08.75 N 104 03.78 E	Iso W 3s	5	3	White ▽ on beacon	fl 1.5
	*						

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

**INP 31(1), 2014**

*(Last correction: Edition No. 11 dated 01 June 2019)*

NIL

**INP 31(2), 2014**

*(Last correction: Edition No.12 dated 16 June 2019)*

NIL

**NP 31(5), 2017**

*( Last correction: Edition No. 14 dated 16 Jul 2019)*

NIL

**INP 31(6), 2018**

*( Last correction: Edition No. 11 dated 01 June 2019)*

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

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



<b>HYDROGRAPHIC NOTE</b>				<b>IH.102 (Revised 2012)</b>	
For Forwarding information for Indian Charts, 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: [mrcc-west@indiancoastguard.nic.in](mailto:mrcc-west@indiancoastguard.nic.in)**

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

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

**AFTN: VABBYXYC**