

INDIAN NOTICES TO MARINERS



EDITION NO. 01 DATED 01 JAN 2024

(CONTAINS NOTICES 031 TO 033)

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(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH 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 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 are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
<i>Nil</i>					

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
<i>Nil</i>					

3. The Indian Charts that are 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>
<i>Nil</i>				

4. 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>
<i>Nil</i>			

5. 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>
<i>Nil</i>			

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>
<i>Nil</i>			

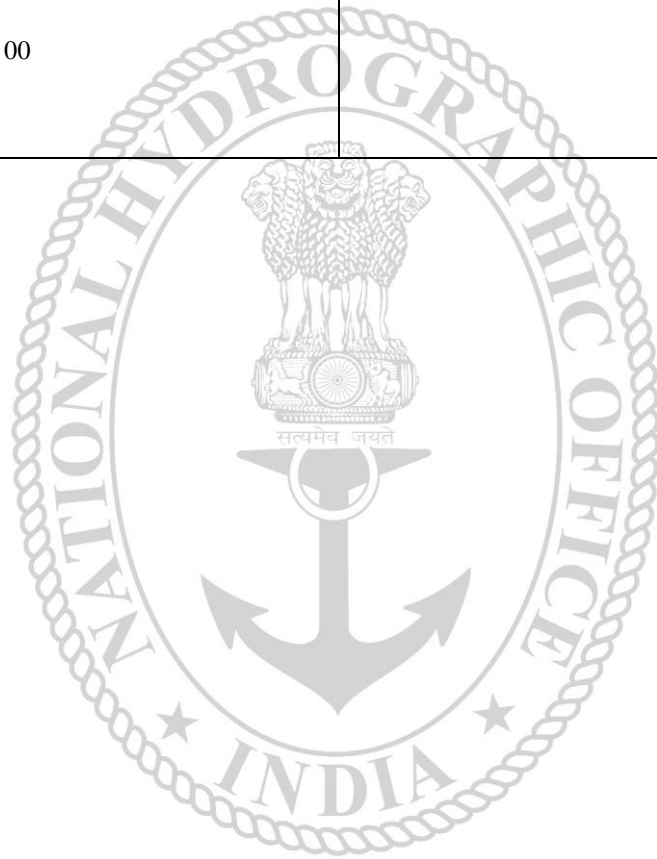
7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
<i>Nil</i>			

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 worldwide 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:

<p>United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel : +44 (0) 1823 337900 Fax : +44 (0) 1823 330561, 1823 284077 Web site : www.hydro.gov.uk</p>	<p>M/s IIC Technologies Limited B-2-350/5/B-22, Road No. 3 Banjara Hills, Hyderabad - 500 034 Telangana Tel: +91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com</p>
<p>M/s Primar Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: data@ecc.no Website: - www.primar.org</p>	



VII

TEMPORARY AND PRELIMINARY NOTICES

In Force as on 01 Jan 2024

(Former List dated 01 Oct 2023 is cancelled)

Cancelled Notices	
Area	Notice No.
1	NIL
2	085/18, 121/19, 133/19, 219/22, 041/23, 057/23, 112/23, 118/23, 129/23, 132/23, 148/23, 155/23, 157/23, 162/23, 169/23, 178/23, 184/23
3	163/20, 204/20, 205/20, 147/22, 159/22, 119/23, 128/23, 156/23, 164/23, 165/23, 170/23, 182/23
4	NIL

1. AFRICA EAST COAST, MADAGASCAR, RED SEA, ARABIA, PERSIAN GULF, PAKISTAN.		
Notice	Charts Affected	Description
091/19	227 – 2061 – 2099.	INDIAN OCEAN – MALDIVES – Male Atoll – Construction Work.
149/22	22 (INT 752) – 273 – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7703 (INT 703) – 7706 (INT 706) – 7707 (INT 707).	ARABIAN AND LAKSHADWEEP SEAS – INDIA AND MALDIVES – Kadmat Island to Ihavandiffulu Atoll.

2. INDIA WEST COAST, LAKSHADWEEP, INDIAN OCEAN.		
Notice	Charts Affected	Description
127/15	2040.	INDIA – WEST COAST – Porbandar Port – Jetty.
164/18	21 – 292 (INT 7021) – 253 (INT 7328) – 206.	INDIA – WEST COAST – Veraval to Diu Head – Construction work.
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.
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.
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.
091/20	21 – 22 (INT 752) – 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.
094/20	21 – 22 (INT 752) – 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.
095/21	2106 – 2079 (INT 7329) – 2068 – 203 (INT 7319) – 21.	INDIA – WEST COAST – GULF OF KACHCHH – Mundra Port- Construction Work.
118/21	2076 (INT 7338) – 2016 (INT 7336) – 211 – 255 (INT 7334) – 292 (INT 7021) – 293 (INT 7022) – 21-22 (INT 752).	INDIA – WEST COAST – Jawaharlal Nehru Port and Trombay – Construction activity.

2. INDIA WEST COAST, LAKSHADWEEP, INDIAN OCEAN. (Continued).		
129/21	21 – 22 (INT 752) – 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.
098/22	21 – 292 (INT 7021) – 253 (INT 7328) – 254 (INT 7331) – 207 – 209 – 2081 (INT 7342) – 2100 (INT 7344)) – 2101 (INT 7347)..	INDIA –WEST COAST – Approaches to Hazira – Construction Work.
215/22	203 (INT 7319) – 2068 – 2080 – 2079 (INT 7329) – 2106.	INDIA – WEST COAST – Gulf of Kachchh – Mundra Port – Buoy.
216/22	21 – 203 (INT 7319) – 2068 – 2080 – 2079 (INT 7329) – 2106.	INDIA – WEST COAST – Gulf of Kachchh – Mundra Port – Dredging.
218/22	255 (INT 7334) – 256 (INT 7340) – 211 – 212 – 2036 (INT 7352) – 2103.	INDIA – WEST COAST – Dighi Port – Dredging.
220/22	21 – 292 (INT 7021) – 254 (INT 7331) – 208 – 2039 – 2082 – 2110.	INDIA – WEST COAST – Gulf to Khambhat – Dahej Harbour – Jetty Construction.
036/23	260 (INT 7362) – 261 – 222 – 223 – 2012	INDIA – WEST COAST – Vizhinjam Anchorage, Alleppey Anchorage – Buoys.
047/23	2005 – 2114	INDIA – WEST COAST – Approaches to Kharo Creek and Mitha Port – Buoys
051/23	22 (INT 752) – 214 – 293 (INT 7022) – 253 (INT 7328) – 292 (INT 7021) – 21 – 251 (INT 7318) – 271 – 291 – 258 (INT 7348) – 272 – 259 (INT 7356) – 221 – 263 (INT 7383) – 32 (INT 754) – 261	INDIA – WEST COAST – Arabian Sea – ADCP Moorings.
080/23	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
116/23	22 (INT 752) – 32 (INT 754) – 220 – 259 (INT 7356) – 260 (INT 7362) – 2029 (INT 7358) – 7071 (INT 71) – 7073 (INT 73) – 7703 (INT 703) – 7706 (INT 706)	INDIA – WEST COAST – Approaches to Kochi – Data Buoys.
131/23	2008 – 2009 – 2010 – 2353.	INDIA – WEST COAST – Karwar naval Harbour – Buoy.
134/23	211 – 212 – 254 (INT 7340) – 255 (INT 7334) – 2036 (INT 7352).	INDIA – WEST COAST – Dighi Harbour (Murud – Janjira) and Approaches – Fairway Buoy.
135/23	2008 – 2120 – 2353.	INDIA – WEST COAST – Karwar Port – Buoy.
142/23	2111 – 2012 – 222 – 223 – 260 (INT 7362) – 261.	INDIA – WEST COAST – Vizhinjam Harbour – Construction Activity.
143/23	2111 – 2012 – 222 – 223 – 260 (INT 7362) – 261	INDIA – WEST COAST – Vizhinjam Harbour – Construction Activity.
163/23	22 (INT 752) – 212 – 256 (INT 7340) – 293 (INT 7022) – 2011 – 2105	INDIA – WEST COAST – Jaigarh and Angre Ports – Construction Activity.
179/23	21 - 203 (INT 7319) - 2068 - 2080 – 2079 (INT 7329) - 2106.	INDIA – WEST COAST – Gulf of Kachchh – Mundra Port – Construction and Extension of Berth.
184/23	21 – 22 (INT 752) – 291– 292 (INT 7021) – 293 (INT 7022) – 251 (INT 7318) – 253 (INT 7328) – 254 (INT 7331)	INDIA – WEST COAST – Arabian Sea – Oil Rigs.
185/23	32 (INT 754) – 224 – 262 (INT 7365) – 2075 (INT 7366).	INDIA – WEST COAST – Tuticorin Harbour; Approaches to Tuticorin – Construction Activity.
189/23	255 (INT 7334) – 256 (INT 7340) – 271 – 202 – 207 – 209 – 210 – 211 – 2101 (INT 7347) – 7705 (INT 705) – 7706 (INT 706).	INDIA – WEST COAST – Arabian Sea – Oil Rigs.
190/23	21 – 22 (INT 752) – 268 (INT 7353) – 273 – 292 (INT 7021) – 293 (INT 7022) –	INDIA – WEST COAST – Arabian Sea – Data Buoys and Tsunami Buoys.

2. INDIA WEST COAST, LAKSHADWEEP, INDIAN OCEAN. (Continued).		
190/23	294 (INT 7023) – 295 – 2047 – 7070 (INT 70) – 7071 (INT71) – 7072 (INT 72) – 7073 (INT 73) – 7702 (INT 702) – 7703 (INT 703) – 7705 (INT 705) – 7706 (INT 706) – 7707 (INT 707).	INDIA – WEST COAST – Arabian Sea – Data Buoys and Tsunami Buoys.

3. INDIA EAST COAST, ANDAMAN NICOBAR, SRI LANKA, BANGLADESH, MYANMAR.		
Notice	Charts Affected	Description
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.
188/19	4013.	ANDAMAN SEA – INDIA – ANDAMAN ISLANDS – Shaheed Dweep Pier (Neill Island Pier) – Construction Work.
211/19	4043.	ANDAMAN SEA – INDIA – ANDAMAN ISLANDS – Ariel Bay – Construction Work.
237/19	41 (INT 757).	BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Dredging.
244/19	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Drilling Operation.
090/21	31(INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – wreck.
103/21	224 -223- 262 (INT 7365) – 32 (INT 754).	INDIA – SOUTH EAST COAST – GULF OF MANNAR – Manappad to Setukkarai – Construction Activities.
119/21	31(INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – wreck.
177/21	31(INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – wreck.
202/21	31(INT 756) –351(INT 7419)	INDIA – EAST COAST – Paradip to Pussur River – Wreck.
064/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
073/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
096/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
097/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
115/22	32 (INT 754) – 262 (INT 7365) – 223 – 224	INDIA – SOUTH COAST – Kolachel to Manappad – Jetty Construction.
128/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
139/22	351 (INT 7419)	INDIA – EAST COAST – Paradip to Pussur River – Buoy.
140/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
141/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
180/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Dredging.
195/22	31 (INT 756)	INDIAN OCEAN – BAY OF BENGAL – Northern Portion (Krishnapatnam to Bassein River) – Drilling.
204/22	31 (INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
223/22	31 (INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.

3. INDIA EAST COAST, ANDAMAN NICOBAR, SRI LANKA, BANGLADESH, MYANMAR. (Continued).		
033/23	31 (INT 756)	INDIA OCEAN – BAY OF BENGAL – Northern Portion – Krishnapatnam to Bassein River – Anchorage.
040/23	32 (INT 754) – 33 (INT 755) – 391 – 356 (INT 7400) – 313 – 3001 (INT 7402) – 3028 (INT 7404).	INDIA – EAST COAST – Kamarajar Port – Jetty Construction.
042/23	31 (INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Wreck.
059/23	3010 (INT 7418) – 3041	INDIA – EAST COAST – Paradip Anchorage – Buoys.
075/23	31 (INT 756) – 32 (INT 754) – 355 (INT 7405) – 391 – 3005	INDIA – EAST COAST – Machilipatnam Anchorage – Construction Activity.
076/23	31 (INT 756) – 32 (INT 754) – 354 (INT 7408) – 391 – 3042.	INDIA – EAST COAST – Approaches to Kakinada – Construction Activity.
077/23	31 (INT 756) – 32 (INT 754) – 355 (INT 7405) – 391 – 3008 – 3026.	INDIA – EAST COAST – Nizampatnam Anchorage – Construction Activity.
078/23	31 (INT 756) – 32 (INT 754) – 356 (INT 7400) – 391.	INDIA – EAST COAST – Chennai to Ramayapatnam – Construction Activity.
079/23	31 (INT 756) – 32 (INT 754) – 355 (INT 7405) – 356 (INT 7400) – 391.	INDIA – EAST COAST – Chennai to Ramayapatnam – Construction Activity.
110/23	31 (INT 756)	INDIAN – OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Wreck
146/23	31 (INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Wreck.
151/23	351 (INT 7419).	INDIA – EAST COAST – Paradip to Pussur River – Buoy.
152/23	31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 304 – 305 – 308 (INT 7409) – 352 (INT 7416) – 353 (INT 7413) – 354 (INT 7408) – 355 (INT 7405) – 356 (INT 7400) – 357 (INT 7397) – 391 – 7706 (INT 706).	INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.
171/23	21 – 22 (INT 752) – 31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 205 – 206 – 211 – 212 – 213 – 215 – 216 – 219 – 222 – 223 – 252 (INT 7325) – 253 (INT 7328) – 255 (INT 7334) – 256 (INT 7340) – 257 (INT 7343) – 258 (INT 7348) – 259 (INT 7356) – 261 – 262 (INT 7365) – 263 (INT 7383) – 272 – 273 – 292 (INT 7021) – 293 (INT 7022) – 294 – 305 – 308 (INT 7409) – 352 (INT 7416) – 353 (INT 7413) – 354 (INT 7408) – 356 (INT 7400) – 357 (INT 7397) – 391 – 2008 – 2028 – 2048 – 2053 – 2120 – 2121 – 2353 – 3002 (INT 7410) – 3034 – 3035 – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7703 (INT 703) – 7705 (INT 705) – 7706 (INT 706) – 7707 (INT 707).	INDIAN OCEAN – Northern Part – Wave Rider Buoys.
180/23	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) – 3001 (INT 7402) – 3004 (INT 7403) – 4115 – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706) – 7707 (INT 707).	INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys and Tsunami Buoys.

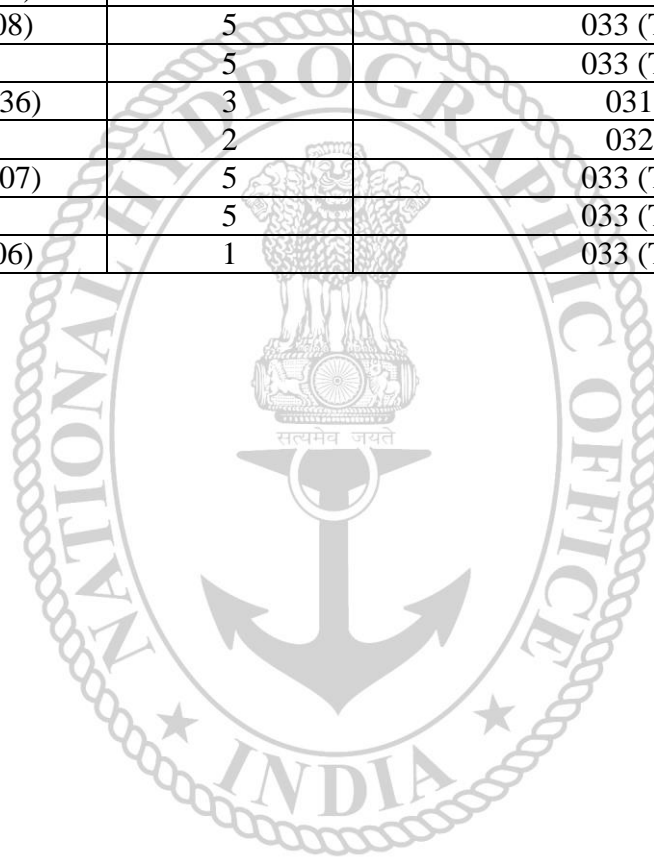
3. INDIA EAST COAST, ANDAMAN NICOBAR, SRI LANKA, BANGLADESH, MYANMAR. (Continued).		
181/23	31 (INT 756)	INDIAN – OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Installation Activity
186/23	31 (INT 756) – 32 (INT 754) – 391– 352 (INT 7416) – 353 (INT 7413) – 354 (INT 7408) – 355 (INT 7405) – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706).	INDIA – EAST COAST – Bay of Bengal – Oil Rigs.
187/23	31 (INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
191/23	21 - 31 (INT 756) - 32 (INT 754) - 33 (INT 755) – 41 (INT 757) - 291 - 315 - 316- 358 (INT 7394) - 7070 (INT 70) - 7071 (INT 71) - 7072 (INT 72) - 7073 (INT 73) - 7508 (INT 508) – 7701 (INT 701) - 7702 (INT 702) - 7703 (INT 703) - 7705 (INT 705) - 7706 (INT 706) - 7707 (INT 707) - 7708 (INT 708).	INDIAN OCEAN - NORTHERN PART - RAMA Buoys.
033/24	31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408) – 3042– 3009 (INT 7407) – 7706 (INT 706).	INDIA – EAST COAST – Kakinada Port – Turtle breeding ground.

4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA.		
<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
179/21	7703 (INT 703) - 7706 (INT 706) - 7707 (INT 707)	INDIAN OCEAN - Maldives to Sumatera - ADCP Buoys.

SECTION – I

The list of charts affected by the Notices 031 to 033 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	031
22 (INT 752)	3	031
31 (INT 756)	5	033 (T)
32 (INT 754)	5	033 (T)
211	3	031
255 (INT 7334)	3	031
292 (INT 7021)	2	031
293 (INT 7022)	3	031
354 (INT 7408)	5	033 (T)
391	5	033 (T)
2016 (INT 7336)	3	031
2055	2	032
3009 (INT 7407)	5	033 (T)
3042	5	033 (T)
7706 (INT 706)	1	033 (T)



SECTION – II**PERMANENT NOTICES*****031 (01/24) INDIA – WEST COAST – Inner App. To Mumbai – Wreck.**

Source: IH – 102, INS Makar.

Chart 21 [previous update 130/23]

Insert



18° 49′.87N., 072° 37′.28E.

Chart 22 (INT 752) [previous update 153/23]

Insert



18° 49′.87N., 072° 37′.28E.

Chart 292 (INT 7021) [previous update 130/23]

Insert



18° 49′.87N., 072° 37′.28E.

Chart 293 (INT 7022) [previous update 121/23]

Insert



18° 49′.87N., 072° 37′.28E.

Chart 255 (INT 7334) [previous update 130/23]

Insert



18° 49′.87N., 072° 37′.28E.

Chart 211 [previous update 130/23]

Insert



18° 49′.87N., 072° 37′.28E.

Chart 2016 (INT 7336) [previous update 151/22]

Insert



18° 49′.87N., 072° 37′.28E.

***032 (01/24) INDIA – WEST COAST – Muldwarka Port – Legend.**

Source: NHO, Dehradun.

Chart 2055 [previous update NC 15 SEP 2023]

Insert

legend, “PA” centered on;

20° 45′.19N., 070° 40′.70E.

Section – III**TEMPORARY AND PRELIMINARY NOTICES**

1. It is brought to the information to the users that same or all information contained in this Temporary Notices to mariner may have been included in the relevant ENC's.
2. New TPNMs are now part of ENC updates from 01 Oct 22 onwards.
3. All in force Temporary and Preliminary Notices are available for visualisation along with details of affected Charts and ENCs for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on www.hydrobharat.gov.in.

*033 (T) (01/24)	INDIA – EAST COAST – Kakinada Port – Turtle breeding ground.
Source: Kakinada Port.	
1. The Olive Ridley Turtles are arriving for breeding purpose to Hope Island till 31 Mar 2024. The breeding ground is bounded by the following coordinates:-	
Sl. No.	Position
(a)	16° 55'·11N., 082° 21'·69E.
(b)	16° 57'·52N., 082° 21'·58E.
(c)	16° 59'·65N., 082° 19'·94E.
(d)	17° 00'·03N., 082° 22'·72E.
(e)	16° 57'·74N., 082° 24'·38E.
(f)	16° 55'·03N., 082° 24'·50E.
2. During the operation period, anchoring, fishing and trawling are prohibited within 5 Km and the vessels are advised to keep proper clearance from above mentioned area & to use of Turtle Excluder Devices (TED) in mechanized fishing vessels.	
3. Mariners are advised to navigate with caution in the area and contact Port authority for latest information.	
Charts affected – 31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408) – 3042– 3009 (INT 7407) – 7706 (INT 706).	

SECTION – IV

MARINE INFORMATION

1. **NAVTEX TRANSMISSION**

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

Mauritius (Cassis)	- Operational
Seychelles (Mahe)	- Operational
Myanmar (Yangon, Myeik, Kyau Phyu)	- Operational

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

INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz								
Sl.	Station Name	B1	Broad Cast Timings in UTC					
			0110	0510	0910	1310	1710	2110
(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: - mrcc-west@indiancoastguard.nic.in. 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, to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode. Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html for further information.

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

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 are published in the fortnightly Indian Notices to Mariners.

- (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 is mandatory for all Indian and foreign flag ships and vessels entering and leaving.

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 other such Satellite Communication in Indian Waters-Reg.**

- (a) The Directorate General of Shipping through DGS Order No. 02 of 2012 dated 17.05.2012 had banned the usage of Thuraya, Iridium and other such satellite in the Indian Waters.
- (b) Thuraya Satellite Equipment is not an integral part of Maritime Radio communication system under Global Maritime Distress and Safety Systems (GMDSS) and its usage is continued to be banned in Indian Waters.
- (c) Whereas, Regulation 4.1- GMDSS Satellite Providers, which emphasizes that, the Maritime Safety Committee shall determine the criteria, procedures and arrangements for the evaluation, recognition, review and oversight of the provision of recognized mobile satellite services in the GMDSS pursuant to the provisions of SOLAS Chapter-IV.
- (d) Whereas, Maritime Safety Committee vide Resolution MSC 451(99) dated 24 May 2018 had recognized Iridium Satellite LLC to provide Safety Voice, Short-Burst data and enhanced group calling services for use in the Global Maritime Distress and Safety System (GMDSS). The Iridium Satellite service is fully operational since December 2020 and being part of SOLAS Chapter - IV as one of the recognized mobile satellite service.
- (e) Under GMDSS, the usage of Iridium Mobile Satellite communication equipment in the Indian Waters are considered subject to the conditions as outlined under;
 - (i) Merchant ships may install and keep the Iridium equipment active in Indian Territorial waters, provided the equipment is registered and certified as per the prevailing rules of the Flag of the ship and is used only onboard ship and the portable Iridium sets may not be carried onto Indian Land Territory.
 - (ii) Iridium Satellite equipment shall be used in GMDSS exclusively for Maritime Radio communications relating to Distress and Safety, Search and Rescue and for receiving Maritime Safety Information (MSI) from ship's fixed installations only.
 - (iii) The ships transiting or visiting in Indian waters shall continue to declare IMEI number of the equipment in the Pre-Arrival Notification on Security (PANS).

- (f) The ship-owners, ship-masters and ship-agents shall mandatorily require to declare details of such satellite phones prior arrival into Indian Waters through the Pre-Arrival Notification on Security (PANS) systems.
- (g) The unauthorized usage of Thuraya, Iridium and other such Satellite equipment shall be prosecuted under Section-6 of Indian Wireless Act and Section-20 of Indian Telegraph Act.
- (h) The ship-Owners, Ship-Masters, Ship-Operators, Ship-Agents and other stake holders are intimated for strict compliance of this DGS Order.
- (j) This Directorate General of Shipping order No. 09 of 2023 supersedes previous DGS order No. 02 of 2012 dated 17.05.2012 and is entry into force with immediate effect.

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>OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p>M/s VDO Marine Insrtuments Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmain@md4.vsnl.net.in</p>
<p>M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor, 58, Dr. SunderlalBahl 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>SMS Marine Private Ltd 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@c-map.co.in , raj.chakravorty@smsmap.com Web: www.smsmaps.co.in</p>
<p>M/s C & C Marine Combine 25 Bank Street, 1st Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: vijay@ccmarine.in, sales@ccmarine.in</p>	<p>M/s Global Marine Infratech Pvt. Ltd. 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: tusarkantha@gmiindia.in Web: www.gmiindia.in</p>
<p>M/s JM Maritime Services 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 : jmms@mtnl.net.in , charts@mtnl.net.in</p>	<p>L. R. Marine Services 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: lrcharts@gmail.com, lrmarine@live.com</p>
<p>M/s Lift o Marine Allen’s Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: sankar@liftmarine.org, liftmarine77@gmail.com Web: www.liftmarine.org</p>	<p>IIC Technologies Limited 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com</p>
<p>M/s Zenith Surveys (I) Pvt. Ltd. Lakhani’sPlam 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>M/s CNC Office No. S-12-92, Haware’s Centurion Premises Coop. Soc. Ltd Plot no 88-91, Sector 19, NERUL, Navi Mumbai – 400706 Tel: +91 22 22660017/ +91 22 49747575 Cell No: +91 9920654848/ +91 7506097212 Email: sales@emariner.net</p>

SECTION – V

NAVAREA – VIII WARNINGS IN FORCE.

1. All in force NAVAREA and NAVTEX messages are available for visualisation along with details of affected Charts and ENC's for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on www.hydrobharat.gov.in.
2. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2020.
3. NAVAREA VIII Warnings in force as on 01 Jan 24: -

2022 SERIES - 049 134 162 237 259 286 461 476 519 646 757 997
2023 SERIES - 116 161 178 179 240 386 455 456 484 574 604 622 655 674 675 696 703 733
741 748 750 775 791 815 868 926 928 929 938 946 947 957 964 987 991 997 1003 1014 1025
1026 1037 1046 1052 1053 1054 1057 1061 1062 1067 1075 1081 1085 1086 1087 1094 1095 1099
1100 1101 1102 1103 1104

4. NAVAREA VIII Warnings issued during the period from 16 Dec 23 to 31 Dec 23 (both dates inclusive) are as tabulated below: -

1067. India West Coast. Charts IN 21 255 INT 7334. Rig move. Sagar Gaurav (19-41.07N 071-50.14E). Refer to 184(T) of INTM 23/23. Wide berth requested.
1068. Indian Ocean. Charts IN 7071 7707 INT 707. Space debris predicted in area bounded by 02-44N 091-02E, 02-32N 092-06E, 00-04N 091-38E, 00-16N 090-34E from 170600 UTC to 171200 UTC Dec 23 2. Cancel this MSG 171300 UTC Dec 23.
1069. India West Coast - off Trivandrum. Charts IN 22 222 260 261 INT 752. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 20 Dec 23 from 0530 to 0700 UTC. Danger sector (a) radius of 05 nm between azimuth 190 and 300 (b) radii of 45 nm and 75 nm between azimuth 220 and 260. Wide berth from area advised. 2. Cancel this MSG 200800 UTC Dec 23.
1070. India East Coast – Visakhapatnam. Charts IN 31 354 391 3002 7706 INT 7408. Firing scheduled from 270030 to 270130 UTC Dec 23 in danger area bounded by (a) 17-42N 083-18E (b) 17-48N 083-35E (c) 17-31N 083-32E and arc of 17 nm radius joining point b and c. Wide berth from area advised. 2. Cancel this MSG 270230 UTC Dec 23.
1071. India East Coast - off Sagar I. Charts IN 31 301 351 INT 7419. Firing by CG aircraft scheduled 22 and 28 Dec 23 from 0430 to 1030 UTC in danger area bounded within 20-37N to 20-52N and 088-30E to 089-00E. Wide berth from area advised. 2. Cancel this MSG 281130 UTC Dec 23.
1072. India East Coast – Pandiyantivu. Charts IN 224 2075 INT 7366. DGPS (08-47.14N 078-11.83E) transmission switched off.
1073. Cancel NAVAREA VIII MSG 1065/23 and this MSG.
1074. India East Coast - off Visakhapatnam. Charts IN 31 354 INT 7408. Experimental flight trials scheduled from 27 to 29 Dec 23 from 0430 to 0630 UTC and 0830 to 1030 UTC in danger area bounded by 18-04.12N 083-42.92E, 17-42.08N 084-53.27E, 16-35.92N 083-59.82E, 16-52.53N 083-19.72E. Wide berth from area advised. 2. Cancel this MSG 291130 UTC Dec 23.
1075. India West Coast - off Kochi. Charts IN 22 220 259 2004 INT 7356. Hydrographic survey will be carried out in area bounded within 09-52N to 09-58N and 076-03E to 076-18E from 19 to 21 Dec, 23 to 24 Dec, 26 to 28 Dec and 30 to 31 Dec 23. 2. Cancel this MSG 311830 UTC Dec 23.
1076. India East Coast – Chennai. Charts IN 33 313 356 3001 INT 7400. Firing scheduled from 260830 to 260930 UTC Dec 23 in danger sector extending upto 11 nm between bearing 045 and 075 from 13-07.02N 080-18.01E. Wide berth from area advised. 2. Cancel this MSG 261030 UTC Dec 23.
1077. Indian Ocean. Charts IN 7706 7707 INT 707. Subsurface firing scheduled from 201830 to 221830 UTC Dec 23 in danger area bounded within 04-04N to 04-42N and 088-30E to 090-30E. Wide berth from area advised. 2. Cancel this MSG 221930 UTC Dec 23.
1078. India West Coast - off Kochi. Charts IN 22 220 259 INT 7356. Firing scheduled 22 and 23 Dec 23 from 0430

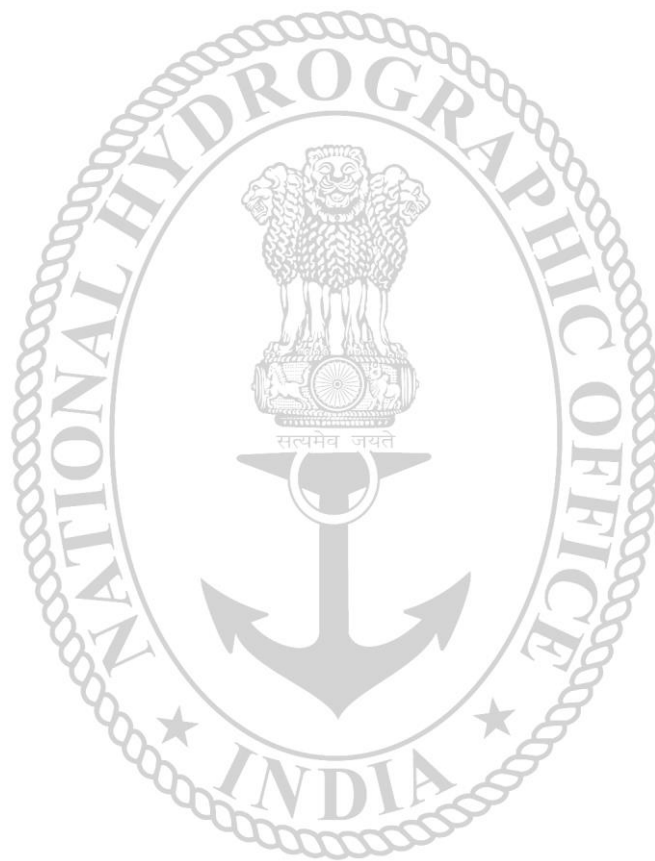
<p>1078. Continued. to 1130 UTC in danger area bounded within 10-08N to 10-18N and 075-30E to 075-40E. Wide berth from area advised. 2. Cancel this MSG 231230 UTC Dec 23.</p>
<p>1079. Lakshadweep Sea - off Kavaratti I. Charts IN 268 273 2023 INT 7353. Firing scheduled on 22 Dec 23 from 0130 to 1130 UTC in danger area bounded by 10-33.32N 072-38.05E, 10-32.54N 072-38.72E, 10-31.92N 072-37.90E, 10-32.60N 072-37.25E. Wide berth from area advised. 2. Cancel this MSG 221230 UTC Dec 23.</p>
<p>1080. Cancel NAVAREA VIII MSG 1001/23, 1017/23, 1072/23 and this MSG.</p>
<p>1081. India West Coast. Charts IN 21 255 INT 7021. Rig move. Ds fossil (19-23.19N 071-17.41E). refer to 189(T) of INTM 24/23. Wide berth requested.</p>
<p>1082. Indian Ocean. Charts IN 7070 7073 INT 73. Space debris predicted in areas bounded by (a) 24-05S 087-05E, 23-57S 086-19E, 21-18S 086-53E, 21-26S 087-38E from 250000 UTC to 250600 UTC Dec 23 (b) 24-36S 087-00E, 24-27S 086-13E, 21-48S 086-47E, 21-56S 087-33E from 270500 UTC to 271100 UTC Dec 23. 2. Cancel this MSG 271200 UTC Dec 23.</p>
<p>1083. India East Coast - off Balasore. Charts IN 31 7706 INT 706. Experimental flight trials scheduled from 26 to 29 Dec 23 from 0430 to 0700 UTC and 0930 to 1100 UTC in danger area bounded by 21-22.35N 086-55.58E, 21-13.92N 086-51.83E, 20-39.67N 087-22.32E, 20-52.38N 087-36.67E, 21-25.73N 087-05.17E, 21-22.88N 086-56.20E. Wide berth from area advised. 2. Cancel this MSG 291200 UTC Dec 23.</p>
<p>1084. India East Coast - off Balasore. Charts IN 31 301 351 3011 INT 7419. Experimental flight trials scheduled from 26 to 29 Dec 23 from 0330 to 1130 UTC in danger area bounded by (a) 20-57N 086-54E (b) 21-41N 087-45E (c) 21-31N 087-42E (d) 21-13N 087-23E. Danger area extending up to coastline joining point a and b. Wide berth from area advised. 2. Cancel this MSG 291230 UTC Dec 23.</p>
<p>1085. India West Coast. Charts IN 22 255 INT 7021. Vivekanand 1 (19-39.54N 071-44.40E) and Gd chaaru (18-43.05N 072-19.13E) demobilised. INTM 24/23, 189(T) refers.</p>
<p>1086. India East Coast - off Kakinada. Charts IN 31 355 INT 7405. Coastal triumph progressing survey in areas bounded by (a) 16-36.83N 082-24.08E, 16-28.50N 082-33.83E, 16-21.00N 082-24.50E, 16-28.50N 082-13.83E (b) 16-19.75N 082-05.40E, 16-19.75N 082-14.91E, 16-10.50N 082-14.91E, 16-10.50N 082-05.40E. Wide berth of 2nm requested. 2. Cancel this MSG 311830 UTC Jan 24.</p>
<p>1087. India East Coast - off Kakinada. Charts IN 31 354 3042 INT 7408. No go area for breeding of olive ridley turtles promulgated in area bounded by 16-55.11N 082-21.68E, 16-57.52N 082-21.28E, 16-59.65N 082-19.94E, 17-00.03N 082-22.72E, 16-57.74N 082-24.38E, 16-55.03N 082-24.50E. 2. Cancel this MSG 311830 UTC Mar 24.</p>
<p>1088. NAVAREA VIII - Warnings in force as on 22 Dec 2023. 2022 Series - 049 134 162 237 259 286 461 476 519 646 757 997 2023 Series - 116 161 178 179 240 386 455 456 484 574 604 622 655 674 675 696 703 733 741 748 750 775 791 815 868 926 928 929 938 946 947 957 964 987 991 997 1003 1014 1015 1022 1023 1024 1025 1026 1037 1046 1050 1052 1053 1054 1055 1057 1059 1061 1062 1063 1064 1067 1070 1071 1074 1075 1076 1078 1081 1082 1083 1084 1085 1086 1087 (a) Navarea VIII warnings less than 42 days promulgated via safety net. (b) Text of Navarea VIII warning in force including those which no longer broadcast available in www.hydrobharat.gov.in. 2. Cancel this MSG 291000 UTC Dec 23.</p>
<p>1089. Indian Ocean - off Reunion. Charts IN 7702 BA 712 INT 702. Gunnery exercise scheduled from 260700 to 261230 UTC Dec 23 in danger area bounded by 21-12S 054-57E, 21-19.5S 054-25.9E, 21-39S 054-33.5E, 21-26S 055-02.5E. Wide berth from area advised. 2. Cancel this MSG 261330 UTC Dec 23.</p>
<p>1090. Arabian Sea. Charts IN 7071 7073 7703 INT 703. Unmanned semi-submerged vessel reported adrift in approximate position 06-45N 065-15E at 221330 UTC Dec 23. 2. Cancel This MSG 251330 UTC Dec 23.</p>
<p>1091. Lakshadweep Sea - off Minicoy I. Charts IN 22 273 2006 INT 752. Firing scheduled from 290130 to 291130 UTC Dec 23 in danger area bounded by 08-15.36N 073-04.50E, 08-14.89N 073-03.32E, 08-16.57N 073-03.43E. Wide berth from area advised. 2. Cancel this MSG 291230 UTC Dec 23.</p>
<p>1092. India East Coast - Paradip. Charts IN 352 3010 3041 INT 7418. DGPS (20-15.32N 086-39.38E) transmission will be switched off from 270030 UTC to 271230 UTC Dec 23 for maintenance. 2. Cancel this MSG 271230 UTC Dec 23.</p>
<p>1093. India West Coast - Okha. Charts IN 21 202 203 2068 INT 7319. Firing scheduled from 280530 to 280730 UTC Dec 23 in danger sector extending upto 12 Nm within bearing 305 and 025 from 22-28.45N 069-04.03E. Wide berth from</p>

<p>1093. Continued. area advised. 2. Cancel this MSG 280830 UTC Dec 23.</p>
<p>1094. India West Coast - off Karwar. Charts IN 215 257 293 2353 INT 7022 . Firing scheduled from 271830 to 311830 UTC Dec 23 in danger areas Bounded by (a) 14-42N 074-04.60E, 14-43.20N 074-06E, 14-41.60N 074-07.20E, 14-40.20N 074-05.60E (b) 14-38.80N 074-04E, 14-40.20N 074-05.40E, 14-38.50N 074-06.60E, 14-37.80N 074-05.10E. Wide berth from area advised. 2. Cancel this MSG 311930 UTC Dec 23.</p>
<p>1095. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. Samudra sarvekshak progressing Geophysical survey in vicinity of 20-39.28N 071-43.43E, 20-56.05N 071-54.93E, 20-43.22N 071-41.04E, 19-15.63N 071-17.79E, 21-03.50N 072-24.44E, 18-08.45N 072-22.04E, 18-08.42N 072-22.02E, 18-38.84N 070-59.49E, 18-40.37N 070-57.9E, 18-36.93N 071-01.48E, 20-56.25N 072-34.27E, 19-27.52N 071-16.42E, 19-27.8N 071-48.45E, 19-32.24N 071-42.36E, 19-35.19N 071-19.54E, 19-35.22N 071-19.54E, 19-35.20N 071-19.53E, 20-34.68N 072-13.66E, 18-58.31N 071-47.57E. Wide berth requested. 2. Cancel this MSG 231830 UTC Jan 24.</p>
<p>1096. Western Indian Ocean - off Somalia. Charts IN 7071 7072 7703 INT 703. Piracy incident reported in vicinity of 07-58N 049-51E on 24 Dec 23. Mariners advised to keep clear and exercise utmost caution. 2. Cancel this MSG 291200 UTC Dec 23.</p>
<p>1097. Indian Ocean - off Gan I. Charts IN 7071 7072 7703 INT 703. Fisherman reported missing in approximate position 00-42S 073-09E at 211650 UTC Dec 23 and drifting easterly. Vessels transiting to keep sharp lookout. 2. Cancel this MSG 301000 UTC Dec 23.</p>
<p>1098. India West Coast - off Kollam. Charts IN 22 7706 INT 706. Firing scheduled 29 and 30 Dec 23 from 0430 to 1130 UTC in danger area bounded within 08-30N to 08-45N and 075-15E to 075-30E. Wide berth from area advised. 2. Cancel this MSG 301230 UTC Dec 23.</p>
<p>1099. India West Coast. Charts IN 21 255 7706 INT 7334. Rig move. Jt angel (18-47.21N 072-19.52E). Refer to 189(T) of INTM 24/23. Wide berth requested.</p>
<p>1100. Bay of Bengal - off Bangladesh. Charts IN 31 BA 90 817 INT 756. Firing by Bangladesh navy scheduled 01 to 04 Jan 24, 07 to 11 Jan 24, 14 to 18 Jan 24, 21 to 25 Jan 24 and 28 to 31 Jan 24 from 0001 to 1600 UTC in danger areas bounded by (a) 21-20.83N 090-34E, 21-41N 091-14E, 21-20.83N 091-28E, 21-00N 090-47.83E (b) 20-07N 090-52E, 20-22N 091-06E, 20-00N 091-36E, 19-44N 091-21E (c) 20-22N 091-06E, 20-46.5N 091-31E, 20-24N 091-59E, 20-00N 091-36E (d) 21-18N 089-31E, 21-18N 089-50E, 21-04N 089-54E, 21-04N 089-34E (e) 20-58N 089-34E, 20-58N 089-54E, 20-34N 089-54E, 20-34N 089-34E. Wide berth from area advised. 2. Cancel this MSG 311700 UTC Jan 24.</p>
<p>1101. India West Coast - Kochi. Charts IN 22 220 259 2004 INT 7356. Firing scheduled (a) 01, 08, 15, 22, 29 Jan 24 from 0900 to 1200 UTC and (b) 05, 12, 19, 26 Jan 24 from 0900 to 1200 UTC 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 Jan 24.</p>
<p>1102. Bay of Bengal - Sriharikota. Charts IN 32 7706 7707 INT 706. Rocket launch from 13-44N 080-14.1E scheduled from 010200 to 010600 UTC Jan 24 2. Danger zone as follows- Zone-1: Circle of 10 Nm around launcher. Zone-2: Radii of 15 Nm and 60 Nm from launcher between azimuth 092 and 112. Zone-3: Danger area bounded by 12-45N 083-05E, 13-25N 083-15E, 13-05N 084-15E, 12-25N 084-05E. Zone-4: Danger area bounded by 12-05N 085-45E, 12-40N 085-55E, 12-20N 087-10E, 11-45N 087-00E. Zone-5: Danger area bounded by 09-35N 094-50E, 10-30N 095-05E, 10-15N 095-55E, 09-20N 095-40E. Zone-6: Danger area bounded by 16-30S 133-30W, 14-30S 135-10W, 13-30S 121-00W, 06-30S 091-00W, 08-30S 091-00W, 15-30S 121-00W. 3. Wide berth from area advised. 4. Cancel this MSG 010700 UTC Jan 24.</p>
<p>1103. NAVAREA VIII - Warnings in force as on 29 Dec 2023 2022 Series - 049 134 162 237 259 286 461 476 519 646 757 997 2023 Series - 116 161 178 179 240 386 455 456 484 574 604 622 655 674 675 696 703 733 741 748 750 775 791 815 868 926 928 929 938 946 947 957 964 987 991 997 1003 1014 1023 1025 1026 1037 1046 1052 1053 1054 1057 1061 1062 1067 1075 1081 1085 1086 1087 1094 1095 1097 1098 1099 1100 1101 1102 (a) NAVAREA VIII Warnings less than 42 days promulgated via safety net. (b) Text of NAVAREA VIII warnings in force including those which no longer broadcast available in www.hydrobharat.gov.in 2. Cancel this MSG 051000 UTC Jan 24.</p>
<p>1104. India East Coast - off Visakhapatnam. Charts IN 31 354 391 INT 7408. Subsurface firing scheduled from 011000</p>

1104. Continued.

to 011700 UTC Jan 24 in Danger area bounded within 17-01N TO 17-11N and 083-19E TO 083-29E. Wide berth from area advised.

2. Cancel this MSG 011800 UTC Jan 24.



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
D7298-4019	Marsa al Buhayr. No 2	25 12-00 N 37 13-30 E	Fl R 2s	..	..	□ on red post	..
*	*	*	*	*	*	*	*
D7298-402	Remove from list; renumbered to D7298.4025						*
D7298-402	Marsa al Buhayr. No 1	25 11-84 N 37 13-50 E	Fl G 2s	..	..	△ on green post	..
*	*	*	*	*	*	*	*
D7298-4025	Renumbered; was previously D7298.402 Umm Lujj. No 4	25 00-88 N 37 16-10 E	Fl R 3s	..	..	Red post	..
*	*	*	*	*	*	*	*
D7298-407	Sharm Al Husay. No 1	24 37-29 N 37 19-70 E	Q(3)W 10s	..	..	⬠ on black beacon, yellow band	..
*	*	*	*	*	*	*	*
D7325-68	- Small Boat Pontoon. E End. No 5	23 49-41 N 57 31-58 E	Iso R 3s	4	3	Red □ on black pile	..
			*				
D7325-93	Sohar Fishing Harbour. W Breakwater	24 22-86 N 56 44-54 E	Fl G 5s	6	5	Metal post 3	..
		*					
D7326-22	Sohar Fishing Harbour. Outer Breakwater. Head	24 28-94 N 56 38-52 E	Q(3)R 10s	3	3	Red metal post 2	..
							*
D7326-25	PORT SOHAR - E Breakwater. Dir Lt 180°	24 29-67 N 56 37-73 E	Dir WRG	15	10	Grey metal framework tower 8	F G178-4°-179-4°(1°). Al GW179-4°-179-7°(0-3°). F W179-7°-180°(0-3°). Al WR180°-180-3°(0-3°). F R180-3°-181-3°(1°)
	---	..	<i>By day</i>	..	4	..	..
		*				*	*
D7699-3	Remove from list; deleted						
F1045-5	- Hiran Point	21 47-83 N 89 28-37 E	Fl(2)W 20s	36	20	on grey metal framework tower	Each fl 0- 2s duration
			*				

8.1

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2019

(Last correction: Edition No. 09 dated 01 May 2023)

NIL

INP 31(2), 2019

(Last correction: Edition No. 11 dated 01 Jun 2023)

NIL

INP 31(5), 2021

(Last correction: Edition No. 17 dated 01 Sep 2023)

NIL

INP 31(6), 2018

(Last correction: Edition No. 24 dated 16 Dec 2023)

NIL

SECTION – IX

REPORTING OF NAVIGATIONAL DANGERS

Appeal to all Mariners

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / Harbour 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 : msis-inho@navy.gov.in, 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.

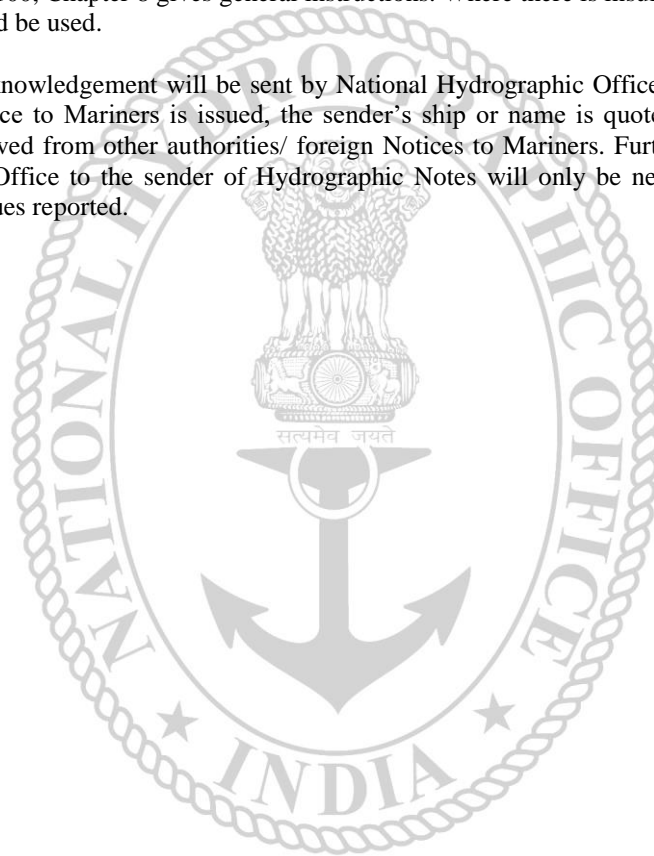
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be 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.

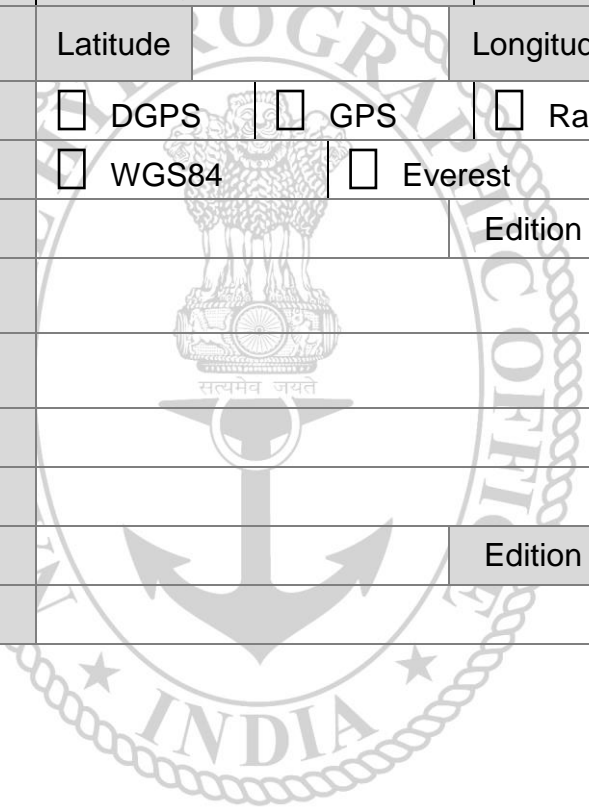
8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

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.



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

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

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

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



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: mrcc-west@indiancoastguard.nic.in

NATION WIDE SAR TELE: 1554 (LAND LINE)

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

AFTN: VABBYXYC