



INDIAN NOTICES TO MARINERS



EDITION NO. 01 DATED 01 JAN 2021

(CONTAINS NOTICES 031 TO 039)

REACH US 24 x 7



inho@navy.gov.in
msis-inho@navy.gov.in



+91-135-2748373



National Hydrographic Office
107-A, Rajpur Road
Dehradun – 248001
INDIA



Commander (H)
Maritime Safety Information Services
+91- 135 - 2746290-117

WWW

www.hydrobharat.gov.in

CONTENTS

<u>Section No.</u>	<u>Title</u>
I	List of Charts Affected
II	Permanent Notices
III	Temporary and Preliminary Notices
IV	Marine Information
V	NAVAREA VIII Warnings in force
VI	Corrections to Sailing Directions
VII	Corrections to List of Lights
VIII	Corrections to List of Radio Signals
IX	Reporting of Navigational Dangers

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

FEEDBACK: msis-inho@navy.gov.in



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



© Govt. of India Copyright

No permission is required to make copies of these Notices. However, such copies are not to be commercially sold.

II

MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

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

**Chief Hydrographer
to the Government of India**

WARNING AGAINST USE OF COUNTERFEIT PRODUCTS

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

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

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

III

EXPLANATORY NOTES

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

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

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

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

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

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

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

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

Radio Navigational Warnings.

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

IV

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

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

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

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

Use of Global Positioning System (WGS 84) positions.

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

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

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

NEWLY PUBLISHED INDIAN CHARTS, ENC'S AND PUBLICATION

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

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

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

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

3. The Indian Chart that is 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>
- NIL -				

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
- NIL -			

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
- NIL -			

6. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
293	MUMBAI TO KARWAR	7,50,000	New Edition
2047	CETLAT ISLAND	35,000	New Edition
	KALPITTI TO PARALI ISLAND	50,000	New Edition
	KADMAT ISLAND	25,000	New Edition
	AMINI ISLAND	40,000	New Edition
2504	MATHURIN HARBOUR	12,500	New Edition
2505	APPROACHES TO MATHURIN HARBOUR	25,000	New Edition
3042	APPROACHES TO KAKINADA	75,000	New Edition
4103	TEMPLE SOUND	25,000	New Chart

VI

Availability of ENC's

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

United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Web site: www.hydro.gov.uk	Navico Norway AS Elganeveien 1, 4370 Egersund, Norway Ph: +47 51 464700, +91 2262233326 Mob: +91 9820238542 Fax: +47 51 464701, +91 2267939504 Email: enc@c-map.com , info@c-map.co.no Website: www.c-map.com
M/s Primar Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: data@ecc.no Website: - www.primar.org	M/s IIC Technologies Limited B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad - 500 034 Telangana Tel:+91 4039144444 Fax: +91 4039144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com



VII
TEMPORARY AND PRELIMINARY NOTICES

In Force as on 01 Jan 2021

(Former List dated 01 Oct 2020 is cancelled)

Cancelled Notices	
Area	Notice No.
1	<i>Nil</i>
2	<i>046/16, 164/19, 165/19, 257/19, 153/20, 170/20, 193/20, 196/20, 202/20, 212/20, 224/20, 229/20, 239/20</i>
3	<i>121/16, 102/20, 117/20, 124/20, 195/20, 198/20, 203/20, 213/20, 225/20, 230/20, 231/20, 234/20, 240/20, 242/20</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>
127/15	2040.	INDIA – WEST COAST – Porbandar Port – Jetty.
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.
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.
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.
164/18	21 – 292 (INT 7021) – 253 (INT 7328) – 206.	INDIA – WEST COAST – Veraval to Diu Head – Construction work.
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 Marmugao – 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.

VIII

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

166/19	2359 (INT 7350) – 2002 (INT 7351).	INDIA – WEST COAST – Ports of New Mangalore and Mangalore – 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.
037/20	260 (INT 7362) – 261 – 222 – 223 – 2012.	INDIA – WEST COAST – Vizhinjam Anchorage, Alleppey Anchorage – Buoys.
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.
145/20	21 – 22 (INT 752) – 31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 41 (INT 757) – 205 – 206 – 211 – 212 – 213 – 215 – 216 – 219 – 221 – 222 – 223 – 224 – 252 (INT 7325) – 253 (INT 7328) – 255 (INT 7334) – 256 (INT 7340) – 257 (INT 7343) – 258 (INT 7348) – 259 (INT 7356) – 260 (INT 7362) – 261 – 262 (INT 7365) – 263 (INT 7383) – 268 (INT 7353) – 272 – 273 – 292 (INT 7021) – 293 (INT 7022) – 305 – 308 (INT 7409) – 351 (INT 7419) – 352 (INT 7416) – 353 (INT 7413) – 354 (INT 7408) – 356 (INT 7400) – 357 (INT 7397) – 391 – 404 (INT 7439) – 405 (INT 7440) – 473 (INT 7031) – 2008 – 2023 – 2028 – 2032 – 2037 – 2048 – 2053 – 2121 – 2353 – 3002 (INT 7410) – 3034 – 3035 – 3043 – 3044 – 4006 (INT 7449) – 4016 – 7702 (INT 702) – 7703 (INT 703).	INDIAN OCEAN – Northern Part – Wave Rider Buoys.
194/20	21 – 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 293 (INT 7022) – 2016 (INT 7336) – 2076 (INT 7338).	INDIA – WEST COAST – Inner Approaches to Mumbai – Dredging.
197/20	21 – 292 (INT 7021) – 254 (INT 7331) – 208.	INDIA – WEST COAST – Gulf of Khambhat – Drilling Operation.
232/20	32 (INT 754) – 22 (INT 752) – 259 (INT 7356) – 220 .	INDIA – WEST COAST – Tanur Nagaram to Manakkodam – Offshore instrument.
233/20	21 – 22 (INT 752) – 268 (INT 7353) – 273 – 292 (INT 7021) – 2047 – 7703 (INT 703) – 7705 (INT 705).	INDIA – WEST COAST – Arabian Sea – Data Buoys and Tsunami Buoy.
241/2	32 (INT 754) – 357 (INT 7397).	INDIA – WEST COAST – Tanur Nagaram to Manakkodam – Offshore instrument.
035/21	292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 210 – 211.	INDIA – WEST COAST – Arabian Sea – Oil Rigs.
038/21	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) – 271 – 272.	INDIA – WEST COAST – Arabian Sea – ADCP Moorings.

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

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
212/12	3034.	INDIA – EAST COAST – Krishnapatnam Port – Port Development. 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.
106/19	31 (INT 756).	BAY OF BENGAL – Northern Portion (Krishnapatnam to Bassein River) – Buoys.
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.
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.
061/20	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Submarine Pipeline.
105/20	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Construction.
113/20	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Drilling Operation.
131/20	31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 308 – 352 – 354 (INT 7408) – 355 (INT 7405) – 356 (INT 7400) – 357 (INT 7397) – 391.	INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.
136/20	31 (INT 756) – 351 (INT 7419) – 3017 – 3038.	INDIA – EAST COAST – Approaches to Dhamra Port – Dredging.
163/20	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Drilling Operation.
190/20	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Survey.
204/20	3003 – 32 (INT 754).	INDIA – EAST COAST – Cuddalore Anchorage – Dredging.
205/20	3003 – 32 (INT 754).	INDIA – EAST COAST – Cuddalore Anchorage – Dredging.
214/20	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).	INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys and Tsunami Buoys.
215/20	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Survey.
243/20	41 (INT 757).	BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – underwater Cable.
036/21	391 – 354 (INT 7408) – 355 (INT 7405).	INDIA – EAST COAST – Bay of Bengal – Oil Rigs.
037/21	31 (INT 756) – 351 (INT 7419) – 352 (INT 7416) – 3041 – 3010 (INT 7418).	INDIA – EAST COAST – Paradip port – Buoy.
039/21	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Dredging.

4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
146/20	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 039 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	038 (T)
22 (INT 752)	3	032, 038 (T)
31 (INT 756)	5	037 (T), 039 (T)
32 (INT 754)	5	032, 033, 038 (T)
33 (INT 755)	5	033
41 (INT 757)	6	039 (T)
202	2	035 (T)
203 (INT 7319)	2	031
210	3	035 (T)
211	3	035 (T)
214	3	038 (T)
221	4	038 (T)
223	4	032
251 (INT 7318)	2	035 (T), 038 (T)
253 (INT 7328)	2	035 (T), 038 (T)
254 (INT 7331)	3	035 (T)
255 (INT 7334)	3	035 (T)
256 (INT 7340)	3	035 (T)
258 (INT 7348)	4	038 (T)
259 (INT 7356)	4	038 (T)
261	4 सत्यमेव जयते	038 (T)
262 (INT 7365)	5	032
263 (INT 7383)	5	038 (T)
271	2	035 (T), 038 (T)
272	4	038 (T)
291	2	038 (T)
292 (INT 7021)	2	035 (T), 038 (T)
293 (INT 7022)	3	035 (T), 038 (T)
351 (INT 7419)	5	037 (T)
352 (INT 7416)	5	037 (T)
354 (INT 7408)	5	036 (T)
355 (INT 7405)	5	036 (T)
391	5	036 (T)
404 (INT 7439)	6	034
405 (INT 7440)	6	034
473 (INT 7031)	6	034
2068	2	031
3010 (INT 7418)	5	037 (T)
3041	5	037 (T)
3042	5	036 (T)
4030	6	034

SECTION – II**PERMANENT NOTICES*****031 (01/21) INDIA – WEST COAST – Gulf of Kachchh – Deep Water Route - Light.**

Source: VTS, Gandhidham.

Chart 2068 [previous update 235/20]Insert  Fl.G.3s40m3M 22° 48'·90N., 069° 23'·40E.Delete  Fl.G.3s16m3M 22° 48'·90N., 069° 23'·50E.**Chart 203 (INT 7319)** [previous update 235/20]Insert  Fl.G.3s40m3M 22° 48'·86N., 069° 23'·41E.Delete  Fl.G.3s16m3M 22° 48'·80N., 069° 23'·50E.***032 (01/21) INDIA – SOUTH COAST – Kolachel to Manappad – Light and legend.**

Source: DLL, Chennai.

Chart 223 [previous update 075/20]Insert  Fl(3)20s45m20M 08° 13'·39N., 077° 46'·98E.

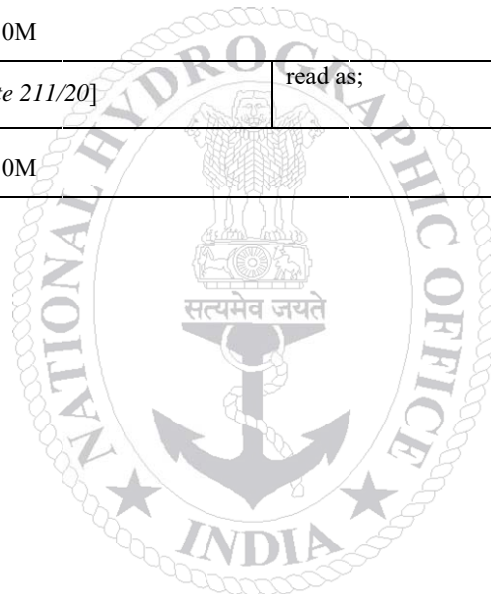
Substitute legend, “Kuthenkuli” for “Kuttankuli”, centered on; 08° 13'·00N., 077° 46'·25E.

Chart 262 (INT 7365) [previous update 149/20]Insert  Fl(3)20s45m20M 08° 13'·39N., 077° 46'·98E.**Chart 22 (INT 752)** [previous update 187/20]Insert  Fl(3)20M 08° 13'·39N., 077° 46'·98E.**Chart 32 (INT 754)** [previous update 185/20]Insert  Fl(3)20M 08° 13'·39N., 077° 46'·98E.***033 (01/21) INDIA AND SRI LANKA – Kochi (Cochin) to Visakhapatnam – Wrecks.**

Source: BA Notice 6157/20.

Chart 32 (INT 754) [previous update 032/21]Insert  Wks 08° 33'·81N., 081° 15'·09E.**Chart 33 (INT 755)** [previous update 211/20]Insert  Wks 08° 33'·81N., 081° 15'·09E.

*034 (01/21)		Miscellaneous updates to charts.	
Source: NHO, Dehradun.			
Refer INTM 210 (21/20)			
For	Chart 473 (INT 7031) [previous update 211/20]	read as;	
Insert	★ Fl.7s40m10M	11° 58'·67N., 092° 34'·94E.	
For	Chart 404 (INT 7439) [previous update 210/20]	read as;	
Insert	★ Fl.7s40m10M	11° 58'·67N., 092° 34'·94E.	
Refer INTM 211 (21/20)			
For	Chart 473 (INT 7031) [previous update 211/20]	read as;	
Insert	★ Fl(4)20s60m10M	11° 08'·67N., 092° 43'·81E.	
For	Chart 405 (INT 7440) [previous update 211/20]	read as;	
Insert	★ Fl(4)20s60m10M	11° 08'·60N., 092° 43'·91E.	
For	Chart 4030 [previous update 211/20]	read as;	
Insert	★ Fl(4)20s60m10M	11° 08'·55N., 092° 43'·99E.	



Section – III**TEMPORARY AND PRELIMINARY NOTICES**

***035(T) (01/21) INDIA – WEST COAST – Arabian Sea – Oil Rigs.**

Source: NCD, Mumbai.

1. List of Oil Rigs is as follows:-

Rig Name	Position
Aban III	18° 18'.64N., 72° 21'.82E.
Aban IV	19° 27'.80N., 71° 16'.83E.
CE Thornton	19° 17'.47N., 71° 03'.32E.
Discovery 1	18° 57'.12N., 72° 11'.21E.
DS Fortune	19° 16'.30N., 71° 28'.96E.
DS Fossil	20° 11'.52N., 71° 52'.25E.
FG Mclintok	19° 15'.33N., 71° 21'.79E.
Great Drill Chaaya	18° 32'.95N., 72° 15'.97E.
Great Drill Chaaru	19° 36'.38N., 71° 47'.81E.
Great Drill Chetna	22° 33'.31N., 68° 26'.35E.
Great Drill Chitra	19° 14'.45N., 71° 58'.88E.
Harvey H Ward	19° 25'.03N., 71° 23'.38E.
Jindal Explorer	18° 38'.20N., 71° 00'.92E.
Jindal Star	18° 39'.22N., 70° 58'.86E.
Jindal Supreme	18° 05'.67N., 72° 24'.39E.
JT Angel	19° 36'.62N., 71° 22'.90E.
Parameswara	20° 06'.74N., 71° 42'.27E.
Ron Tappmeyer	18° 08'.15N., 72° 25'.28E.
Sagar Bhushan	19° 25'.20N., 71° 41'.10E.
Sagar Gaurav	19° 25'.39N., 71° 30'.92E.
Sagar Kiran	19° 14'.90N., 72° 04'.05E.
Sagar Ratna	20° 10'.05N., 71° 55'.07E.
Sagar Shakti	20° 22'.27N., 72° 04'.30E.
Sundower 5	19° 17'.86N., 71° 20'.00E.
Sundower 7	18° 48'.52N., 72° 20'.87E.
Trident 2	19° 34'.27N., 71° 49'.95E.
Trident 12	19° 08'.00N., 71° 52'.08E.
Valiant Driller	19° 23'.99N., 71° 15'.33E.
Victory Driller	19° 32'.13N., 71° 18'.81E.
Vivekananda 1	19° 11'.99N., 72° 11'.00E.
Vivekananda 2	18° 15'.54N., 72° 16'.34E.
Virtue 1	18° 13'.22N., 72° 20'.24E.

2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the oil rigs.

3. All positions referred to WGS 84 datum.

Charts Affected – 292 (INT 7021) – 293 (INT 7022) – 271 – 251 (INT 7318) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 210 – 211 – 202.

Former INTM 239 (T)/20 is cancelled.

***036(T) (01/21) INDIA – EAST COAST – Bay of Bengal – Oil Rigs.**

Source: NCD, Mumbai.

1. List of Oil Rigs is as follows:-

Rig Name	Position
Deep Driller 8	16° 40'·13N., 82° 25'·73E.
DDKG 1	16° 32'·27N., 82° 33'·72E.
SSV Louisiana	16° 19'·70N., 82° 25'·70E.
Olinda Star	16° 21'·79N., 82° 23'·01E.
Platinum Explorer	15° 05'·92N., 82° 06'·44E.
West Polaris	16° 32'·38N., 82° 33'·96E.

2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the oil rigs.

3. All positions referred to WGS 84 datum.

Charts Affected – 391 – 354 (INT 7408) – 355 (INT 7405) – 3042.**Former INTM 240(T)/20 is cancelled.*****037(T) (01/21) INDIA – EAST COAST – Paradip Port – Buoy.**

Source: Paradip Port Trust.

1. A Channel has been created at Mahanadi River mouth to facilitate the movements of fishing boats to go to the fishing harbour and is marked by 05 in nos. of temporary buoys at the following position :-

S No.	Buoy	Position
(i)	Green buoy	20° 17'·41N., 86° 43'·48E.
(ii)	Green buoy	20° 17'·51N., 86° 43'·44E.
(iii)	Green buoy	20° 17'·55N., 86° 43'·41E.
(iv)	Red buoy	20° 17'·39N., 86° 43'·44E.
(v)	Red buoy	20° 17'·49N., 86° 43'·40E.

2. Mariners are advised to navigate with caution.

Charts affected – 31 (INT 756) – 351 (INT 7419) – 352 (INT 7416) – 3041 – 3010 (INT 7418).**Former INTM 102(T)/20 is cancelled.*****038(T) (01/21) INDIA – WEST COAST – Arabian Sea – ADCP Moorings.**

Source: NIO Goa.

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

ADCP Mooring	Positions		Depth (in metres)	Charts affected
OGD16	15° 09'.97N	72° 44'.74E	159,284,639	22 (INT 752) – 293 (INT 7022) – 214
OJD4	17° 31'.51N	71° 07'.24E	128, 333, 638	21, 22 (INT 752) – 293 (INT 7022)
OMD13	20° 00'.44N	69° 14'.18E	144, 349, 703	21 – 253 (INT 7328) – 292 (INT 7021)
OOD3	22° 15'.71N	67° 28'.34E	153, 360, 664	21 – 251 (INT 7318) – 292 (INT 7021) – 271 – 291
OUD4	12° 30'.05N	74° 02'.36E	150, 250, 555	22 (INT 752) – 258 (INT 7348) – 272
OKD13	09° 02'.89N	75° 26'.12E	122, 227, 532	22 (INT 752) – 259 (INT 7356) – 221
KKD11	06° 57'.55N	77° 23'.46E	162, 370, 675	22 (INT 752) – 263 (INT 7383) – 32 (INT 754) – 261
OGDV2	15° 12'.38N	72° 42'.95E	337	22 (INT 752) – 293 (INT 7022) – 214

2. All positions referred to WGS 84 datum.

3. Vessels operating in vicinity are to maintain a safe distance from moorings and exercise caution.

Former INM 257 (T)/19 is cancelled.

***039(T) (01/21) BAY Of BENGAL – Northern Portion (Krishnapatnam to Bassein River) – Dredging.**

Source: Myanmar Notice 43/20.

1. Ultra – Deep water Drilling will be carried out by **Ultra – Deepwater Drilling ship Dhirubhai Deepwater KG2** (Call Sign: V7PW7) till **18 Mar 2021** in below mentioned positions as following schedule:-

Block	Well Name	Position	Drilling Period
AD-8	E-1 Tun Tauk	19° 24′·79N., 091° 54′·35E.	Top Hole – 30 Dec 2020 to 04 Jan 2021 Bottom hole - 25 Feb 2021 to 18 Mar 2021
AD-1	E-1 Khine Mych	19° 24′·92N., 092° 44′·83E.	Top hole - 06 Jan 2021 to 09 Jan 2021 Bottom hole - 04 Feb 2021 to 23 Feb 2021
A-7	Pyi Tagun	16° 08′·01N., 093° 28′·90E.	12 Jan 2021 to 01 Feb 2021

2. During operation period Navigation, Anchoring, Fishing and Trawling are prohibited within 500 mtr from the operation points and the vessels are advised to keep proper clearance from above mentioned operation.

3. Mariners are advised to navigate with caution and contact local port authority for more information.

Charts affected – 31 (INT 756) – 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:-

INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz								
Sl.	Station Name	BI	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, or icgmrc_mumbai@mtnl.net. Any suspicious activity of skiffs/ boats to be photographed if possible. Merchant vessels with armed guards on board are to report presence of guards to Indian Navy/Coast Guard while transiting Indian EEZ.

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 recommended 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 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>OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p>M/s VDO Marine Instruments Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmain@md4.vsnl.net.in</p>
<p>M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor, 58, Dr. 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, Biryra 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@liftomarine.org, liftomarine77@gmail.com Web: www.liftomarine.org</p>	<p>HC 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>	

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 – 2020.

2. NAVAREA VIII Warnings in force as on 31 Dec 20:-

2019 SERIES - 289 369 392 479 591 812 895
2020 SERIES - 116 329 333 384 385 442 444 480 515 526 542 577 593 630 631 664 690 691 705 712 729 751 753 754 757 759 760 763 766 767 771 772 774 779 780 782 783 784 785 786 787 788 790 792 793 794 795 796 797 798

3. NAVAREA VIII Warnings issued during the period from 16 Dec to 31 Dec 20 (both dates inclusive) are as tabulated below:-

754. India West Coast. Charts IN 21 210 255 292 INT 7334. Rig move. Greatdrill Chaaru (19-36.38N 071-47.81E), GD Chitra (19-14.45N 071-58.88E). Refer to 239(T) of INTM 24/20. Wide berth requested.
755. Cancel NAVAREA VIII MSG 732/20 and this MSG.
756. Cancel NAVAREA VIII MSG 609/20, 725/20, 734/20, 735/20, 744/20, 726/20, 733/20 and this MSG. INTM 238/20, 239(T)/20, 240(T)/20 of 24/20 refers.
757. India East Coast - Karaikal. Charts IN 357 3033 INT 7397. Rear leading LT (10-50.35N 079-50.58E) damaged and partially restored.
758. Cancel NAVAREA VIII MSG 672/20, 711/20 and this MSG.
759. India West Coast. Rig move. Sagar Uday demobilised. Refer to 239(T) of INTM 24/20.
760. India West Coast - off Mumbai. Charts IN 255 292 INT 7334 .CV DLS 4200 progressing installation of platform structures in area bounded by 19-42.47N 070-45.39E, 19-41.28N 072-09.73E, 18-54.89N 072-20.56E, 18-55.08N 071-46.56E, 18-55.74N 071-01.96E, 19-11N 070-50.88E . Wide berth requested. 2. Cancel this MSG 091830 UTC Jan 21.
761. India East Coast - off Balasore. Charts IN 31 351 3017 3038 INT 7419. Experimental flight trial scheduled on (A) 21 Dec 20 from 0330 to 0730 UTC (B) 22, 23, 24, 25 Dec 20 from 0400 to 0600 UTC and 0900 to 1100 UTC in danger area bounded by 21-19.77N 086-51.78E, 21-01.32N 086-48.18E, 20-30.3N 087-28.08E, 21-01.42N 087-56.1E, 21-32.73N 087-16.65E, 21-27.02N 086-58.75E . Wide berth from area advised. 2. Cancel this MSG 251200 UTC Dec 20.
762. India East Coast - off Chennai. Charts IN 32 313 356 357 INT 7400. Firing scheduled on 22, 23, 24 Dec 20 from 0130 to 1130 UTC in danger area bounded within 12-49N to 12-59N and 080-46E to 081-26E. Wide berth from area advised 2. Cancel this MSG 241230 UTC Dec 20.
763. India West Coast. Charts IN 21 253 255 292 INT 7334. Rig move. Aban IV (19-27.8N 071-16.83E). Refer to 239(T) of INTM 24/20. Wide berth requested.
764. NAVAREA VIII - Warnings in force as on 18 Dec 2020:- 2019 Series - 289 369 392 479 591 812 895 2020 Series - 116 267 329 331 333 384 385 442 444 480 515 526 542 577 593 630 631 664 690 691 693 700 701 703 705 707 708 712 717 729 730 736 738 740 741 743 751 752 753 754 757 759 760 761 762 763 (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 2. Cancel this MSG 251000 UTC Dec 20.
765. Arabian Sea. Charts IN 21 292 INT 7021. Data buoy AD06 reported adrift 18-25.2N 067-27.33E at 161830 UTC Dec 20. 2. Cancel this MSG 191830 UTC Dec 20.
766. India West Coast - off Dwarka. Charts IN 21 202 251 252 INT 7325. IFV Dariya Khedu reported submerged 22-23.05N 068-42.1E at 170600 UTC Dec 20.
767. SW Indian Ocean - off La Reunion. Charts IN 7702 INT 702. Instone Tide towing MV Williams with 300 meters towlength to Port Louis, Mauritius. Position 21-57.75S 055-16.15E .Vessels transiting to keep well clear.
768. India west Coast - off Mumbai. Charts IN 21 293 INT 7022. Sub surface firing scheduled on 24, 25 Dec 20 from

768. Continued. 0100 to 0200 UTC in danger area bounded within 17-47.6N to 17-52.6N and 070-47.8E to 070-53E. Wide berth from area advised. 2. Cancel this MSG 250300 UTC Dec 20.
769. Cancel NAVAREA VIII MSG 740/20 and this MSG.
770. India East Coast - Visakhapatnam. Charts IN 354 3002 3012 INT 7411. Dolphin Nose (17-40.53N 083-17.68E) DGPS transmission will be off from 230430 to 241630 UTC Dec 20. 2. Cancel this MSG 241630 UTC Dec 20.
771. India West Coast - Gulf of Kachchh. Charts IN 203 2068 INT 7319. Deep water route buoy Ranwara (22-39.2N 069-19.8E) retrieved for maintenance.
772. India West Coast. Rig Move. Sagar Vijay demobilised . Refer to 239(T) of INTM 24/20.
773. Cancel NAVAREA VIII MSG 730/20 and this MSG.
774. Indian Ocean - off Somalia. Charts IN 7071 7701 INT 701. Military ships and aircraft operations scheduled from 220001 UTC Dec 20 to 312359 UTC Jan 21 in danger area bounded by 00-52.24S 042-10.26E, 02-09.47N 045-37.75E, 01-17.53N 046-33.34E, 01-49.53S 043-00.71E. Wide berth from area advised. 2. Cancel this MSG 010100 UTC Feb 21.
775. India West Coast - Gulf of Kachchh. Charts IN 203 2068 INT 7319. Deep water route buoy Dhani (22-36.8N 069-27.5E) retrieved for maintenance.
776. India West Coast - off Mormugao. Charts IN 22 214 215 256 257 293 INT 752. Firing scheduled from 270230 to 301630 UTC Dec 20 in danger area bounded by 16-30.27N 072-27.11E, 15-17N 073-21E, 14-15N 072-52E, 14-17N 071-41.35E, 15-57.4N 069-11.03E, 17-18.23N 070-36.32E. Wide berth from area advised. 2. Cancel this MSG 301730 UTC Dec 20.
777. India East Coast - Chennai. Charts IN 32 313 356 357 391 3001 3004 3028 INT 7402. Firing scheduled on 29 Dec 20 from 0830 to 0930 UTC 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 291030 UTC Dec 20.
778. India West Coast - Okha. Charts IN 21 202 203 2068 INT 7319. Firing scheduled on 29 DEC 20 from 0530 to 0730 UTC in danger sector extending upto 12 NM within bearing 270 to 020 from 22-28.75N 069-04.05E . Wide berth from area advised. 2. Cancel this MSG 290830 UTC Dec 20.
779. India West Coast - off Mumbai. Charts IN 210 255 292 INT 702. Samudra Sarvekshak progressing SURVEY in vicinity of 19-37.97N 071-41.39E, 20-06.42N 072-15.79E, 20-51.76N 071-58.18E, 19-13.41N 071-13.76E, 19-27.64N 071-03.1E. Wide berth requested. 2. Cancel this MSG 261830 UTC Jan 21.
780. India West Coast. Charts IN 22 255 292 INT 7334. Rig move. FG MC Clintock (19-15.33N 071-21.79E). Refer to 239(T) of INTM 24/20. Wide berth requested.
781. Cancel NAVAREA VIII MSG 693/20, 761/20 and this MSG.
782. NAVAREA VIII - Warnings in force as on 24 Dec 2020:- 2019 Series - 289 369 392 479 591 812 895 2020 Series - 116 267 329 331 333 384 385 442 444 480 515 526 542 577 593 630 631 664 690 691 700 701 703 705 707 708 712 717 729 743 751 752 753 754 757 759 760 763 766 767 768 771 772 774 775 776 777 778 779 780 781 (A) NAVAREA VIII Warnings less than 42 days promulgated via safetynet. (B) Text of NAVAREA VIII warning inforce including those which no longer broadcast available in www.hydrobharat.gov.in 2. Cancel this MSG 011000 UTC Jan 21.
783. India West Coast - JN Port. Charts IN 21 255 2076 INT 7338. Tshd Brabo progressing dredging in area bounded by 18-56.46N 072-55.07E, 18-56.43N 072-55.35E, 18-56.13N 072-55.93E, 18-56.55N 072-56.32E, 18-56.56N 072-56.31E, 18-56.54N 072-56.03E, 18-56.27N 072-55.7E, 18-56.49N 072-55.34E. 2. Cancel this MSG 311830 UTC Jan 21.
784. India West Coast. Rig move. Sagar Jyoti demobilised. Refer to 239(T) of INTM 24/20.
785. Indian Ocean Southern Part. Charts IN 7070 INT 70. Space debris predicted 50 NM on either side of centreline joining 18-47S 092-44E, 43-29S 087-30E from 28 DEC 20 to 21 Jan 21 From 1854 to 2011 UTC. 2. Cancel this MSG 212100 UTC Jan 21.
786. Indian Ocean - Reunion I. Charts IN 7070 INT 70. RV Explora progressing underwater cable laying along line joining 21-15.69S 056-48.76E, 23-19.29S 052-29.18. Wide berth requested. 2. Cancel this MSG 281830 UTC Mar 21.
787. India West Coast. Charts IN 21 255 292 INT 7334. Rig move. Discovery-1 18-57.12N 072-11.21E. Refer to 239(T) of INTM 24/20. Wide berth requested.
788. India East Coast. Charts IN 31 355 INT 7405. Rig Move. DDKG-1 (16-32.27N 082-33.72E) . Refer to 240(T) OF

788. Continued. INTM 24/20. Wide berth requested.
789. Cancel NAVAREA VIII MSG 267/20, 775/20 and this MSG.
790. India West Coast - Gulf of Kachchh. Charts IN 203 2068 INT 7319. Deep water route buoy NARARA (22-35.91N 069-36.12E) retrieved for maintenance.
791. Bay of Bengal - off Srilanka. Charts IN 32 INT 754. Abandoned SLFV (IMUL-A-0039KMN) reported adrift 07-09N 082-14E AT 271600 UTC Dec 20. 2. Cancel this MSG 301600 UTC Dec 20.
792. India West Coast - kochi. Charts IN 22 220 259 2004 2029 INT 7356. Firing scheduled on (A) 01, 08, 15, 22, 29 Jan 21 from 0900 to 1200 UTC (B) 05, 12, 19, 26 Jan 21 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 21.
793. India West Coast. Charts IN 21 255 292 INT 7334. Rig move. GD Chaaya 18-32.95N 072-15.97E. Refer to 239(T) OF INTM 24/20. Wide berth requested.
794. India West Coast - off Alappuzha. Charts IN 22 221 259 INT 7356. RV SW Duchess progressing survey in area bounded by 09-10N 076-10E, 09-10N 076-12.82E, 09-00.08N 076-18.3E, 08-52.38N 076-03E, 08-53N 076-03E, 08-53N 076-02E, 08-54N 076-02E, 08-54N 076-01E, 08-56N 076-01E, 08-56N 076-00E, 09-05.33N 076-00E, 09-10.65N 076-10E . Vessel towing 8 streamers of 3.5 NM. Wide berth of over 5 NM requested. 2. Cancel NAVAREA VIII MSG 752/20 and this MSG 131830 UTC Feb 21.
795. India West Coast - off Mumbai. Charts IN 21 211 255 INT 7334. CS Etisalat progressing cable repair at 19-04.2N 072-42.05E. Wide berth of 02 NM requested. 2. Cancel this MSG 151830 UTC Jan 21.
796. Cancel NAVAREA VIII MSG 331/20 and this MSG.
797. Andaman Sea - off Heinze I. Charts BA 41 830. Hakuryu-5 progressing drilling in area bounded by 14-40.15N 095-29.73E, 14-40N 096-15E, 14-00N 096-15E, 14-00N 095-51E, 13-52.18N 095-51E, 13-52.18N 095-29.84E. Wide berth of 2.2 NM requested 2. Cancel this MSG 311830 UTC Dec 21.
798. India West Coast - off Mumbai. Charts IN 211 255 2016 INT 7334. RV Akademik primakov progressing seismic survey in area bounded by 18-59.83N 072-21.2E, 19-03.69N 072-20.83E, 19-29.73N 072-19.95E, 19-29.76N 072-31.7E, 18-59.14N 072-32.08E. Vessel towing 8 streamers of 3.5 NM. Wide berth of 5.5 NM requested. 2. Cancel this MSG 271830 UTC Jan 21.

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

West coast of India Pilot (INP-1)

Chapter - 4 (Page 173)

(Source: DLL Chennai)

Article 4.84, para 2 insert after line 4

Kuthenkuli Light (Red and yellow chequered round tower, 45m in height) (08°13'.39N, 77°46'.98E), exhibited from Kuthenkuli village, situated about 16 mile NE of the Kanyakumari.

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
F0360	GULF OF KACHCHH - Rawal Pir	22 48.90 N 69 23.40 E	Fl G 3s	40	3	Red and white spiral bands 31	<i>fl 0.5</i>
		*		*		*	
F0384	- Kalubhar Tapu	22 26.32 N 69 35.23 E	Fl(3)W 15s	27	12	White round stone tower 20	<i>(fl 0.75, ec 2.25) x 2,</i> <i>fl 0.75, ec 8.25</i>
							*
F0728	Kuthenkuli	08 13.39 N 77 46.98 E	Fl(3)W 20s	45	20	Red and yellow chequered round tower	
		*#	*#	*#	*#	*#	*#
F1227.1	- Rosen point	06 57.35 N 93 56.65 E	Fl W 10s	23	13	Square masonry tower black bands with GI Trestle tower on top 21	
							*

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2019*(Last correction: Edition No. 11 dated 01 Jun 2020)*

NIL

INP 31(2), 2019*(Last correction: Edition No.18 dated 16 Sep 2020)***Page 42, AIS, INDIA (419),***Delete existing section VIII, Indian Notices to Mariners, Edition 01/2020 and replace by*

Salaya Channel Fairway Virtual Buoy	22°30'·26N 69°31'·32E	994190002		Virtual	
Salaya Channel Lt Buoy No 1	22°28'·94N 69°31'·74E	994190003		Virtual	
Salaya Channel Lt Buoy No 2	22°29'·00N 69°31'·91E	994190004		Virtual	
Salaya Channel Lt Buoy No 3	22°28'·01N 69°32'·16E	994190005		Virtual	
Salaya Channel Lt Buoy No 4	22°28'·08N 69°32'·33E	994190006		Virtual	
Salaya Channel Lt Buoy No 5	22°27'·09N 69°32'·58E	994190007		Virtual	
Salaya Channel Lt Buoy No 6	22°27'·15N 69°32'·74E	994190008		Virtual	
Salaya Channel Lt Buoy No 7	22°26'·11N 69°32'·97E	994190009		Virtual	
Salaya Channel Lt Buoy No 8	22°26'·20N 69°33'·17E	994190010		Virtual	
Salaya Channel Lt Buoy No 9	22°25'·44N 69°33'·35E	994190011		Virtual	
Salaya Channel Lt Buoy No 10	22°25'·58N 69°33'·53E	994190012		Virtual	
Salaya Channel Lt Buoy No 11	22°25'·11N 69°33'·73E	994190013		Virtual	
Salaya Channel Lt Buoy No 12	22°25'·28N 69°33'·87E	994190014		Virtual	
Salaya Channel Lt Buoy No 13	22°24'·76N 69°34'·46E	994190015		Virtual	
Salaya Channel Lt Buoy No 14	22°24'·90N 69°34'·56E	994190016		Virtual	
Salaya Channel Lt Buoy No 15	22°24'·23N 69°35'·44E	994190017		Virtual	
Salaya Channel Lt Buoy No 16	22°24'·37N 69°35'·54E	994190018		Virtual	
Salaya Channel Lt Buoy No 19	22°23'·88N 69°35'·97E	994190019		Virtual	
Salaya Channel Lt Buoy No 20	22°24'·02N 69°36'·07E	994190020		Virtual	
Salaya Channel Lt Buoy No 21	22°23'·81N 69°36'·39E	994190021		Virtual	

*(Source: Essar Bulk Terminal (Salaya) Limited)**(01/21)***Page 44, AIS, KUWAIT (447)***Insert below "Ahmadi Lt Buoy"*

Jazirat Awah Lt Bn	29°22'·63N 48°26'·40E	994471001		Real	
Jazirat Kubbar Lt	29°04'·26N 48°29'·57E	994471000		Real	
Mina Al-Zour Approach Lt Buoy G1	28°44'·21N 48°26'·86E	994471010		Real	

8.2

Mina Al-Zour Approach Lt Buoy G6	28°43'.94N 48°25'.28E	994471008		Real	
Mina Al-Zour Approach Lt Buoy G8	28°43'.83N 48°24'.66E	994471005		Real	
Mina Al-Zour Approach Lt Buoy R1	28°44'.03N 48°26'.90E	994471009		Real	
Mina Al-Zour Approach Lt Buoy R6	28°43'.77N 48°25'.41E	994471007		Real	
Mina Al-Zour Approach Lt Buoy R7	28°43'.58N 48°25'.14E	994471006		Real	
Mina Al-Zour Approach Lt Buoy R9	28°43'.02N 48°25'.04E	994471004		Real	
Mina Al-Zour Approach Lt Buoy R12	28°42'.58N 48°24'.70E	994471003		Real	
Ra's al Ard Lt Bn	29°21'.10N 48°06'.05E	994471002		Real	

(Source: BA 51/20)

(01/21)

NP 31(5), 2017*(Last correction: Edition No. 05 dated 01 Mar 2020)*

NIL

INP 31(6), 2018*(Last correction: Edition No. 22 dated 16 Nov 2020)*

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.

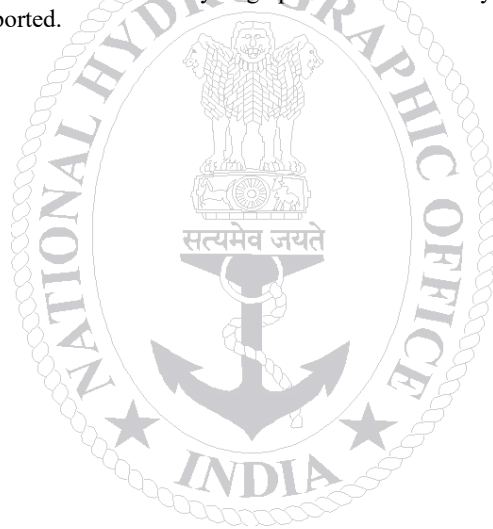
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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



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