

# INDIAN NOTICES TO MARINERS



EDITION NO. 02 DATED 16 JAN 2022

(CONTAINS NOTICES 036 TO 044)

REACH US 24 x 7



[msis-inho@navy.gov.in](mailto:msis-inho@navy.gov.in)  
[inho@navy.gov.in](mailto: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](http://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	Corrections to Miscellaneous Nautical Publications
X	Reporting of Navigational Dangers

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

**FEEDBACK:** [msis-inho@navy.gov.in](mailto: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 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 &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2556	30-11-2021	<b>INNER APPROACHES TO PORT VICTORIA</b> <b>LIMIT</b> 04° 40'.80S; 55° 27'.20E. 04° 34'.10S; 55° 31'.60E.	12,500	1	Rs. 1950.00
263	30-11-2021	<b>KANYAKUMARI TO COLOMBO</b> <b>LIMIT</b> 06° 26'.00N; 77° 14'.40E. 08° 12'.32N; 80° 00'.00E.	3,00,000	5	Rs. 1950.00

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 &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
268	30-11-2021	<b>CENTRAL LAKSHADWEEP</b> <b>LIMIT</b> 09° 57'.00N; 71° 48'.00E. 11° 44'.00N; 74° 34'.00E.	3,00,000	4	Rs. 1950.00
3028	30-11-2021	<b>KAMARAJAR PORT</b> <b>LIMIT</b> 13° 11'.00N; 80° 19'.35E. 13° 17'.60N; 80° 24'.00E.	12,500	5	Rs. 1950.00
405	31-12-2021	<b>PORT BLAIR TO LITTLE ANDAMAN I.</b> <b>LIMIT</b> 10° 52'.00N; 92° 05'.00E. 11° 43'.00N; 93° 37'.00E.	1,50,000	6	Rs. 1950.00
406	15-12-2021	<b>LITTLE ANDAMAN I. TO TEN DEGREE CHANNEL</b> <b>LIMIT</b> 09° 45'.40N; 92° 08'.40E. 11° 05'.00N; 93° 00'.00E.	1,50,000	6	Rs. 1950.00

## VI

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>
263	31-07-2019	CAPE COMORIN TO COLOMBO	263	30-11-2021
268	30-04-2016	CENTRAL LAKSHADWEEP	268	30-11-2021
3028	30-09-2017	KAMARAJAR PORT	3028	30-11-2021
405	15-04-2016	PORT BLAIR TO LITTLE ANDAMAN I.	405	31-12-2021
406	31-03-2016	LITTLE ANDAMAN I. TO TEN DEGREE CHANNEL	406	15-12-2021

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>
IN2263AA	263	KANYAKUMARI TO COLOMBO	05-01-2022
IN52556A	2556	INNER APPROACHES TO PORT VICTORIA	05-01-2022

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>
IN2268AA	268	CENTRAL LAKSHADWEEP	05-01-2022
IN63028E	3028	KAMARAJAR PORT	07-01-2022
IN3405PA	405	PORT BLAIR TO LITTLE ANDAMAN ISLAND	10-01-2022
IN3406IT	406	LITTLE ANDAMAN TO TEN DEGREE CHANNEL	10-01-2022

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>
IN2263ZZ	263	CAPE COMORIN TO COLOMBO	11-02-2020
IN2268AA	268	CENTRAL LAKSHADWEEP	24-05-2021
IN63028E	3028	KAMARAJAR PORT	23-01-2018
IN3405PA	405	PORT BLAIR TO LITTLE ANDAMAN ISLAND	21-05-2019
IN3406IT	406	LITTLE ANDAMAN TO TEN DEGREE CHANNEL	21-05-2019

## VII

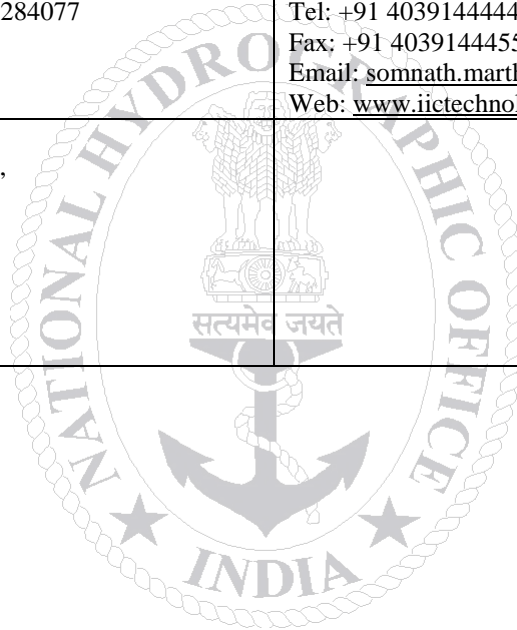
7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
<b>4206</b>	<b>APPROACHES TO PULOMILLOW</b>	<b>50,000</b>	<b>New Chart</b>
	<b>PULOMILLOW ANCHORAGE</b>	<b>25,000</b>	<b>New Chart</b>
<b>4207</b>	<b>S. GEORGES CHANNEL</b>	<b>50,000</b>	<b>New Chart</b>
<b>4252</b>	<b>DILIGENT STRAIT TO KOTRARA ANCHORAGE</b>	<b>60,000</b>	<b>New Chart</b>

### Availability of ENC's

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's through the 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><b>United Kingdom Hydrographic Office</b> Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel : +44 (0) 1823 337900 Fax : +44 (0) 1823 330561, 1823 284077 Web site : <a href="http://www.hydro.gov.uk">www.hydro.gov.uk</a></p>	<p><b>M/s IIC Technologies Limited</b> B-2-350/5/B-22, Road No. 3 Banjara Hills, Hyderabad - 500 034 Telangana Tel: +91 4039144444 Fax: +91 4039144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a></p>
<p><b>M/s Primar</b> Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: <a href="mailto:data@ecc.no">data@ecc.no</a> Website: - <a href="http://www.primar.org">www.primar.org</a></p>	





**SECTION – I**

The list of charts affected by the Notices 036 to 044 contained in this edition is as follows:-

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	042 (T), 043 (T)
22 (INT 752)	3	042 (T)
31 (INT 756)	5	042 (T), 043 (T)
32 (INT 754)	5	042 (T), 043 (T)
33 (INT 755)	5	038, 042 (T), 043 (T)
41 (INT 757)	6	038, 042 (T)
202	2	040 (T)
203 (INT 7319)	2	036
205	2	042 (T)
206	2	042 (T)
210	3	040 (T)
211	3	040 (T), 042 (T)
212	3	042 (T)
213	3	042 (T)
215	3	042 (T)
216	4	042 (T)
219	4	042 (T)
221	4	042 (T)
222	4	042 (T)
223	4	042 (T)
224	5	042 (T)
251 (INT 7318)	2	040 (T)
252 (INT 7325)	2	042 (T)
253 (INT 7328)	2	040 (T), 042 (T)
254 (INT 7331)	3	040 (T)
255 (INT 7334)	3	040 (T), 042 (T)
256 (INT 7340)	3	040 (T), 042 (T)
257 (INT 7343)	4	042 (T)
258 (INT 7348)	4	042 (T)
259 (INT 7356)	4	042 (T)
260 (INT 7362)	4	042 (T)
261	4	042 (T)
262 (INT 7365)	5	042 (T)
263 (INT 7383)	5	042 (T)
268 (INT 7353)	4	042 (T)
271	2	040 (T)
272	4	042 (T)
273	4	042 (T)
291	2	043 (T)
292 (INT 7021)	2	040 (T), 042 (T)
293 (INT 7022)	3	040 (T), 042 (T)
305	5	042 (T)
308 (INT 7409)	5	042 (T)
315	5	043 (T)
316	5	043 (T)
351 (INT 7419)	5	042 (T)
352 (INT 7416)	5	042 (T)



CHART NUMBER	FOLIO NO.	NOTICE NO.
353 (INT 7413)	5	042 (T)
354 (INT 7408)	5	041 (T), 042 (T)
355 (INT 7405)	5	041 (T)
356 (INT 7400)	5	042 (T)
357 (INT 7397)	5	042 (T)
358 (INT 7394)	5	043 (T)
391	5	041 (T), 042 (T)
404 (INT 7439)	6	042 (T)
405 (INT 7440)	6	042 (T)
473 (INT 7031)	6	038, 042 (T)
2008	3	042 (T)
2023	4	042 (T)
2028	3	042 (T)
2032	4	042 (T)
2037	5	042 (T)
2048	4	042 (T)
2053	4	042 (T)
2065	3	037
2080	2	036
2083 (INT 7339)	2	036
2121	2	042 (T)
2353	3	042 (T)
2551	1	039
3002 (INT 7410)	5	042 (T)
3034	5	042 (T)
3035	5	042 (T)
3042	5	041 (T)
3043	5	042 (T)
3044	5	042 (T)
4006 (INT 7449)	6	042 (T)
7070 (INT 70)	1	044 (T)
7071 (INT 71)	1	043 (T), 044 (T)
7073 (INT 73)	1	043 (T), 044 (T)
7702 (INT 702)	1	042 (T), 043 (T), 044 (T)
7703 (INT 703)	1	042 (T), 043 (T)
7706 (INT 706)	1	043 (T)
7707 (INT 707)	1	043 (T)

**SECTION – II****PERMANENT NOTICES****\*036 (02/22) INDIA – WEST COAST – GULF OF KACHCHH – Approaches to Sikka – Legend.**

Source: Bharat Oman Refineries Ltd.

**Chart 203 (INT 7319)** [previous update NC 31 Oct 2021]

Substitute legend, “V-AIS” for “Racon (B)”, centered on; 22° 33′.78N., 69° 45′.00E.

**Chart 2080** [previous update 165/21]

Substitute legend, “V-AIS” for “Racon (B)”, centered on; 22° 33′.70N., 69° 45′.80E.

**Chart 2083 (INT 7339)** [previous update 165/21]

Substitute legend, “V-AIS” for “Racon (B)”, centered on; 22° 33′.60N., 69° 45′.74E.

**\*037 (02/22) INDIA – WEST COAST – Port Dabhol – Legend.**

Source: Konkan LNG Ltd.

**Chart 2065** [previous update 133/21]

Substitute “13,5m (2021)” for “12,6m (2019)”, centered on; 17° 32′.67N., 73° 07′.00E.

**\*038 (02/22) BAY OF BENGAL AND ANDAMAN SEA – INDIA – Andaman Islands – Wreck and Legend.**

Source: Ministry of Home Affairs &amp; NHO Dehradun.

**Chart 33 (INT 755)** [previous update 205/21]

Insert ✕(2) 11° 08′.23N., 93° 30′.81E.

Substitute legend, “Rani Lakshmibai Shila (Flat Rock)” for “Flat Rock”, centered on; 11° 08′.00N., 93° 38′.00E.

Delete ⊕ 11° 08′.00N., 93° 30′.80E.

**Chart 41 (INT 757)** [previous update 212/21]

Insert ✕(2) 11° 08′.23N., 93° 30′.81E.

Substitute legend, “Rani Lakshmibai Shila (Flat Rock)” for “Flat Rock”, centered on; 11° 08′.00N., 93° 37′.50E.

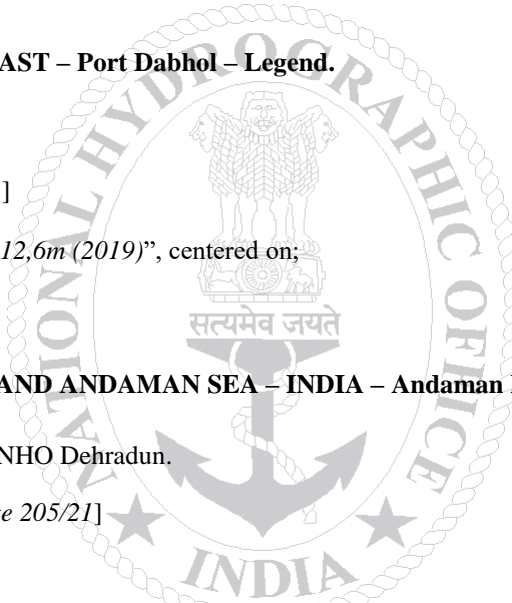
Delete ⊕ 11° 08′.00N., 93° 30′.80E.

**Chart 473 (INT 7031)** [previous update 214/21]

Insert ✕(2) 11° 08′.23N., 93° 30′.81E.

Substitute legend, “Rani Lakshmibai Shila (Flat Rock)” for “Flat Rk.”, centered on; 11° 08′.00N., 93° 28′.85E.

Delete ⊕ 11° 08′.00N., 93° 30′.60E.



<b>*039 (02/22)</b>		<b>Miscellaneous updates to charts.</b>
Source: NHO Dehradun.		
<b>Chart No.</b>	<b>Previous Updates</b>	<b>Details</b>
<b>2551</b>	<i>151/21</i>	Insert Chart No. 2556 and Magenta limit as follows: 04° 34'·10S., 55° 27'·20E. 04° 34'·10S., 55° 31'·60E. 04° 40'·80S., 55° 31'·60E. 04° 40'·80S., 55° 27'·20E.



**Section – III****TEMPORARY AND PRELIMINARY NOTICES**

**\*040 (T) (02/22) INDIA – WEST COAST – Arabian Sea – Oil Rigs.**

Source: NCD, Mumbai.

1. List of Oil Rigs is as follows:-

<b>Rig Name</b>	<b>Position</b>
Aban III	19° 24'.65N., 71° 13'.07E.
Aban IV	19° 25'.26N., 71° 16'.84E.
CE Thornton	18° 32'.97N., 72° 18'.52E.
Compact Driller	21° 01'.91N., 72° 33'.25E.
Discovery 1	19° 21'.10N., 71° 47'.20E.
DS Fossil	18° 43'.09N., 72° 19'.12E.
FG MC Clintok	18° 18'.63N., 72° 21'.81E
Foresight Driller IX	19° 10'.61N., 70° 57'.65E.
Great Drill Chaaru	18° 46'.02N., 72° 17'.96E.
Great Drill Chetna	20° 29'.65N., 71° 39'.68E.
Great Drill Chaaya	18° 30'.06N., 72° 15'.95E.
Jindal Star	18° 01'.05N., 72° 22'.72E.
Jindal Supreme	19° 37'.97N., 71° 41'.39E
JT Angel	19° 22'.04N., 71° 19'.47E
Parameswara	20° 08'.62N., 71° 21'.27E
Ron Tappmeyer	20° 08'.68N., 71° 44'.93E.
Sagar Jyoti	19° 43'.76N., 71° 31'.80E.
Sagar Kiran	19° 00'.71N., 71° 23'.46E.
Sagar Ratna	20° 06'.42N., 72° 15'.79E.
Sagar Shakti	20° 10'.65N., 72° 12'.43E.
Sagar Udhay	20° 12'.85N., 71° 55'.22E.
Trident 2	20° 22'.14N., 72° 12'.64E.
Trident 12	18° 45'.23N., 72° 18'.00E.
Valiant Driller	19° 34'.71N., 71° 23'.15E.
Vivekananda 1	19° 11'.99N., 72° 11'.00E.
Vivekananda 2	18° 33'.77N., 72° 18'.30E.
Virtue 1	19° 26'.15N., 71° 18'.63E.
Victory Driller	18° 08'.49N., 72° 22'.07E.

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 033 (T)/22 is cancelled.***

**\*041 (T) (02/22) INDIA – EAST COAST – Bay of Bengal – Oil Rigs.**

Source: NCD, Mumbai.

1. List of Oil Rigs is as follows:-

Rig Name	Position
Aban II	16° 23'.02N., 81° 58'.71E.
DDKG 1	16° 10'.40N., 82° 39'.10E.
DS Fortune	16° 22'.49N., 81° 58'.58E.
SSV Louisiana	16° 20'.12N., 82° 21'.64E.
Platinum Explorer	16° 18'.77N., 82° 17'.80E.

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 035 (T)/22 is cancelled.****\*042 (T) (02/22) INDIAN OCEAN – Northern Part – Wave Rider Buoys.**

Source: INCOIS.

1. Moored yellow coloured Wave Rider Buoys (WRB) are deployed by INCOIS in following positions:-

WRB Buoy	Positions		Charts affected
WRB Digha	21° 16'.68N	87° 42'.67E	31 (INT 756) – 351 (INT 7419)
WRB Gopalpur	19° 14'.90N	84° 56'.41E	3043 – 305 – 31 (INT 756) – 352 (INT 7416) – 353 (INT 7413)
WRB Visakhapatnam	17° 37'.78N	83° 15'.85E	3002 (INT 7410) – 3035 – 391 – 308 (INT 7409) – 31 (INT 756) – 32 (INT 754) – 354 (INT 7408)
WRB Krishnapatnam	14° 16'.33N	80° 11'.25E	3034 – 391 – 31 (INT 756) – 32 (INT 754) – 356 (INT 7400) – 33 (INT 755)
WRB Pondicherry	11° 55'.67N	79° 50'.88E	3044 – 32 (INT 754) – 357 (INT 7397)
WRB Tuticorin	08° 52'.95N	78° 17'.82E	2037– 224 – 262 (INT 7365) – 32 (INT 754)
WRB Kollam	08° 52'.13N	76° 32'.80E	2032 – 221 – 22 (INT 752) – 259 (INT 7356) – 260 (INT 7362) – 32 (INT 754)
WRB Kozhikode	11° 17'.88N	75° 39'.80E	2053 – 219 – 22 (INT 752) – 258 (INT 7348) – 259 (INT 7356) – 272
WRB Karwar	14° 49'.00N	74° 02'.00E	2008 – 215 – 216 – 2353 – 22 (INT 752) – 257 (INT 7343) – 293 (INT 7022)
WRB Ratnagiri	16° 58'.68N	73° 15'.28E	2028 – 212 – 213 – 22 (INT 752) – 256 (INT 7340) – 293 (INT 7022)
WRB Versova	19° 07'.92N	72° 44'.22E	21– 211– 22 (INT 752) – 255 (INT 7334) – 292 (INT 7021) – 293 (INT 7022)
WRB Veraval	20° 53'.23N	70° 23'.58E	205 – 206 – 21 – 2121 – 253 (INT 7328) – 252 (INT 7325) – 292 (INT 7021)
WRB Port Blair	11° 39'.57N	92° 46'.05E	33 (INT 755) – 4006 (INT 7449) – 404 (INT 7439) – 405 (INT 7440) – 41 (INT 757) – 473 (INT 7031)
WRB Kavaratti	10° 32'.23N	72° 36'.63E	2023 – 22 (INT 752) – 268 (INT 7353) – 273
WRB Kanyakumari	08° 06'.48N	77° 17'.88E	2048 – 222 – 223 – 261 – 262 (INT 7365) – 263 (INT 7383) – 22 (INT 752) – 32 (INT 754)
WRB Seychelles	04° 38'.70S	55° 52'.35E	7702 (INT 702) – 7703 (INT 703)

2. All positions referred to WGS 84 datum.

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

4. **Former INTM 210 (T)/21 is cancelled.**

**\*043 (T) (02/22) INDIAN OCEAN - NORTHERN PART - RAMA Buoys.**

Source: NOAA.

1. Following research moored array of African - Asian - Australian Monsoon analysis and prediction (RAMA) buoys laid in following positions:-

Buoy No./Name	Position
RA185A	15° 02'.90N., 089° 02'.60E
RA184A	00° 00'.00N., 089° 57'.60E
RA176A	00° 59'.00S., 100° 22'.90E
RA175A	01° 32'.90S., 080° 34'.00E
RA183A	07° 57'.30N., 067° 07'.40E
RA182A	04° 13'.60N., 066° 40'.90E
RA181A	08° 07'.50S., 110° 32'.90E
RA180A	00° 24'.60N., 067° 00'.40E
RA179A	01° 36'.70S., 066° 49'.00E
RA177A	04° 07'.00S., 057° 11'.30E
RA178A	09° 28'.80S., 051° 06'.50E
RT033	09° 46'.60N., 080° 16'.60E
RT030	00° 47'.80S., 083° 06'.70E
RT029	12° 34'.90S., 068° 50'.60E
RT028	11° 51'.00S., 080° 18'.90E
RT031	07° 02'.00S., 102° 49'.00E
RT023	08° 07'.70S., 066° 55'.60E
RT017	12° 16'.00S., 067° 14'.40E
RT032	25° 06'.80N., 062° 20'.00E

- All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.
- All positions are in WGS 84 datum.

Charts Affected - 21 - 31 (INT 756) - 32 (INT 754) - 33 (INT 755) - 291 - 315 - 316- 358 (INT 7394) - 7071 (INT 71) - 7073 (INT 73) - 7702 (INT 702) - 7703 (INT 703) - 7706 (INT 706) - 7707 (INT 707).

- Former INTM 220(T)/21 is cancelled.**

**\*044 (T) (02/22) INDIAN OCEAN – Data Buoys and Tsunami Buoys.**

Source: NIOT, Chennai.

1. Following yellow colour data buoys characteristics FL(4)15s4M, 3m diameter and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:-

Buoy No./Name	Position	Chart Affected
SBIRZ/MB	13° 32'.08S., 075° 41'.78E	7070 (INT 70), 7071 (INT 71), 7073 (INT 73), 7702 (INT 702)

- All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.
- All positions are in WGS 84 datum.

## SECTION – IV

### MARINE INFORMATION

#### 1. NAVTEX TRANSMISSION

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

Mauritius (Cassis)	- Operational
Seychelles (Mahe)	- Operational
Bangladesh (Kuakata)	- 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: - mrc-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](http://www.iho.int), to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode. Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See [www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html](http://www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html) for further information.

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



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

The Director General Shipping has established Safety fairways, recommended routes and traffic separation scheme (TSS) in restricted Indian waters including the offshore development area to enhance safety of navigation. The details of coordinates 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 SATELLITE PHONE**

(a) 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.

(b) 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).

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

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

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

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

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

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

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

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

### List of Indian Chart Agents

<p><b>OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a></p>	<p><b>M/s VDO Marine Instruments</b> Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow &amp; Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: <a href="mailto:atmain@md4.vsnl.net.in">atmain@md4.vsnl.net.in</a></p>
<p><b>M/s Global Charts &amp; Nav. Aids Pvt. Limited</b> 1A, Goa Mansion, Ground Floor, 58, Dr. SunderlalBahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: <a href="mailto:sales@globalcharts.in">sales@globalcharts.in</a> Web: <a href="http://www.globalcharts.com.sg">www.globalcharts.com.sg</a></p>	<p><b>SMS Marine Private Ltd</b> 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a> , <a href="mailto:raj.chakravorty@smsmap.com">raj.chakravorty@smsmap.com</a> Web: <a href="http://www.smsmaps.co.in">www.smsmaps.co.in</a></p>
<p><b>M/s C &amp; C Marine Combine</b> 25 Bank Street, 1<sup>st</sup> Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: <a href="mailto:vijay@ccmarine.in">vijay@ccmarine.in</a>, <a href="mailto:sales@ccmarine.in">sales@ccmarine.in</a></p>	<p><b>M/s Global Marine Infratech Pvt. Ltd.</b> SikshaSandan, Ground Floor, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell: - +91-9337477799, 7077702499 Email: <a href="mailto:tusarkantha@gmiindia.in">tusarkantha@gmiindia.in</a> Web: <a href="http://www.gmiindia.in">www.gmiindia.in</a></p>
<p><b>M/s JM Maritime Services</b> 24/24C Kavarana Building, Ground Floor, WadiBunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : <a href="mailto:jmms@mtnl.net.in">jmms@mtnl.net.in</a> , <a href="mailto:charts@mtnl.net.in">charts@mtnl.net.in</a></p>	<p><b>L. R. Marine Services</b> 301, 3rd Floor, 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: <a href="mailto:lrcharts@gmail.com">lrcharts@gmail.com</a>, <a href="mailto:lrmarine@live.com">lrmarine@live.com</a></p>
<p><b>M/s Lift o Marine</b> Allen's Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: <a href="mailto:sankar@liftmarine.org">sankar@liftmarine.org</a>, <a href="mailto:liftmarine77@gmail.com">liftmarine77@gmail.com</a> Web: <a href="http://www.liftmarine.org">www.liftmarine.org</a></p>	<p><b>IIC Technologies Limited</b> 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a></p>
<p><b>M/s Zenith Surveys (I) Pvt. Ltd.</b> Lakhani'sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: <a href="mailto:zenithsurveys703@gmail.com">zenithsurveys703@gmail.com</a> <a href="mailto:nyvmane@yahoo.com">nyvmane@yahoo.com</a> Web: <a href="http://www.zenithsurvey.com">www.zenithsurvey.com</a></p>	<p><b>M/s CNC</b> 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: <a href="mailto:sales@emariner.net">sales@emariner.net</a></p>

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

1. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2020.

2. NAVAREA VIII Warnings in force as on 16 Jan 22: -

<b>2020 SERIES</b> - 333 442 593 630 690 691 751 757
<b>2021 SERIES</b> - 017 147 286 340 387 392 420 447 463 478 479 480 491 493 540 544 550 601 604 606 629 633 644 658 688 690 701 728 756 759 761 771 772 775 795 800 805 833 843 846 880 883 891 902 903 904 905 907
<b>2022 SERIES</b> - 003 007 009 010 012 013 016 017 022 024 025 028 029 030 032 034 035 037 038

3. NAVAREA VIII Warnings issued during the period from 01 Jan 22 to 15 Jan 22 (both dates inclusive) are as tabulated below: –

<b>001. Wishing all seafarers fair winds, following seas and safe navigation. Shano Varuna.</b> 2. Cancel this MSG 021000 UTC Jan 22.
<b>002. Cancel NAVAREA VIII MSG 879/21, 887/21, 899/21 and this msg. INTM 033(T), 035(T) OF 01/22 refers.</b>
<b>003. Bay of Bengal - Off Bangladesh.</b> Charts IN 31 BA 90 817 INT 756. Firing by Bangladesh Navy 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) 20-22N 091-06E, 20-46.5N 091-31E, 20-24N 091-59E, 20-00N 091-36E (C) 20-58N 089-34E, 20-58N 089-54E, 20-34N 089-54E, 20-34N 089-34E (D) 20-07N 090-52E, 20-22N 091-06E, 20-00N 091-36E, 19-44N 091-21E (E) 21-18N 089-31E, 21-18N 089-50E, 21-04N 089-54E, 21-04N 089-34E. Wide berth from area advised. 2. Cancel this MSG 311700 UTC Jan 22.
<b>004. India West Coast - off Porbandar.</b> Charts IN 21 204 252 292 INT 7325. Firing by CG Aircraft scheduled on 05, 07 Jan 22 from 0200 to 0930 UTC IN danger area bounded by 21-32N 069-24E, 21-12N 069-24E, 21-14N 069-05E, 21-32N 068-56E. Wide berth from area advised 2. Cancel this MSG 071030 UTC Jan 22
<b>005. Bay of Bengal - Off Andaman I.</b> Charts IN 33 7706 INT 755. Firing by CG Aircraft scheduled on 05, 06 Jan 22 from 0230 to 0730 UTC in danger area bounded within 11-50N to 12-00N and 090-30E to 091-00E. Wide berth from area advised. 2. Cancel this MSG 060830 UTC Jan 22.
<b>006. India West Coast - Okha.</b> Charts IN 21 202 203 2068 INT 7319. Firing scheduled on 06 Jan 22 from 0530 to 0730 UTC in danger sector extending upto 12 NM within bearing 300 to 020 from 22-28.02N 069-05E. Wide berth from area advised. 2. Cancel this MSG 060830 UTC Jan 22.
<b>007. India West Coast.</b> Charts IN 21 255 292 INT 7334. RIG move. JT Angel (19-22.04N 071-19.47E). Refer to 033(T) of INTM 01/22. Wide berth requested.
<b>008. Cancel NAVAREA VIII MSG 885/21 and this MSG. INTM 033(T) of 01/22 refers.</b>
<b>009. India East Coast.</b> Charts IN 31 355 391 INT 7405. RIG move. Platinum Explorer (16-18.77N 082-17.8E). Refer to 35(T) of INTM 01/22. Wide berth requested.
<b>010. India East Coast - Off Kalingapatnam.</b> Charts IN 31 353 354 391 INT 756. Hydrographic survey being progressed in area bounded within 17-52N to 18-43.5N and 083-37E to 085-00E. Wide berth requested. 2. Cancel this MSG 181830 UTC Jan 22.
<b>011. India West Coast - Off Mormugao.</b> Charts IN 22 215 257 293 294 7705 INT 705. Firing scheduled from 070230 to 081230 UTC Jan 22 in danger areas bounded by (A) 15-36N 071-50E, 14-39N 073-40E, 14-00N 074-00E, 13-30N 073-02E, 14-31N 071-24E (B) 17-23N 070-35E, 16-58N 071-25E, 16-24N 072-09E, 14-31N 071-24E, 16-15N 068-37E. Wide berth from area advised. 2. Cancel this MSG 081330 UTC Jan 22.
<b>012. India West Coast.</b> Charts IN 21 256 293 INT 7340. RIG move. Jindal Star (18-01.05N 072-22.72E). Refer to 33(T) of INTM 01/22. Wide berth requested.
<b>013. India East Coast.</b> Charts IN 31 355 391 INT 7405. RIG move. DS Fortune (16-22.49N 081-58.58E). Refer to 35(T) of INTM 01/22. Wide berth requested.
<b>014. India West Coast - Vengurla Rocks.</b> Charts IN 213 256 2042 INT 7340. LT (15-53.37N 073-27.75E) inoperative.
<b>015. Indian Ocean - Off Reunion.</b> Charts IN 7702 BA 712 INT 7730. RV Marion Dufresne progressing oceanographic survey in area bounded by 20-53S 055-30E, 20-10S 055-30E, 20-47S 054-35E, 21-10S 054-35E, 21-10S 055-17E. Wide berth requested.

<p><b>016. India West Coast - Off Mumbai.</b> Charts IN 211 255 292 INT 7021. Hydrographic survey being progressed in area bounded within 18-11N to 19-44.5N and 072-08E to 073-02E. Length of tow 100 meters from stern. Wide berth requested. 2. Cancel this MSG 161830 UTC Jan 22.</p>
<p><b>017. India West Coast - Off Kochi.</b> Charts IN 22 259 273 INT 752. Albatross 5 progressing cable route survey along 08-16.82N 073-03.23E, 10-08.95N 076-13.59E. Length of tow 250 meters from stern. Wide berth requested. 2. Cancel this MSG 171830 UTC Jan 22.</p>
<p><b>018. Sri Lanka East Coast - Off Mullaittivu.</b> Charts IN 33 358 7071 7073 INT 7394. Abandoned capsized barge reported adrift 09-21.1N 080-58.5E at 051130 UTC Jan 22. 2. Cancel this MSG 081130 UTC Jan 22.</p>
<p><b>019. Bay of Bengal.</b> Charts IN 33 7071 INT 706. Blue and white coloured capsized slfv star city 01 reported adrift 12-50N 086-50E at 060600 UTC Jan 22. Crew rescued. 2. Cancel this MSG 090600 UTC Jan 22.</p>
<p><b>020. India West Coast - Off Mormugao.</b> Charts IN 22 213 256 293 7705 INT 705. Firing scheduled from 100230 to 131230 UTC Jan 22 and subsurface firing scheduled on 11,12 Jan 22 from 0330 to 1630 UTC in danger area bounded by 14-15N 072-52E, 14-17N 071-41.35E, 15-57.4N 069-11.03E, 17-41N 070-55E, 16-30.27N 072-27.11E, 16-09N 072-44.5E, 15-17N 073-21E. Wide berth from area advised. 2. Cancel this MSG 131330 UTC Jan 22.</p>
<p><b>021. India West Coast - Off Porbandar.</b> Charts IN 21 204 252 292 271 INT 7325. IAF Firing from Kathiawar range scheduled from 10 to 15 Jan 22 from 0330 to 0530 UTC and 0730 to 0930 UTC in danger area bounded by 22-12N 068-36.33E, 21-15.5N 069-04E, 21-09N 069-40E, 21-15.5N 069-42.5E, 22-05.75N 068-49E. Wide berth from area advised. 2. Cancel this MSG 151030 UTC Jan 22.</p>
<p><b>022. India West Coast.</b> Charts IN 21 255 292 INT 7334. RIG move. Sagar Kiran (19-00.71N 071-23.46E). Refer to 033(T) of INTM 01/22. Wide berth requested.</p>
<p><b>023. NAVAREA VIII - Warnings in force as on 07 Jan 2022.</b>  <b>2020 Series -</b> 333 384 442 593 630 690 691 751 757  <b>2021 Series -</b> 017 147 286 340 361 387 392 420 447 463 478 479 480 491 493 528 540 544 550 601 604 606 629 633 644 658 688 690 701 728 756 759 761 771 772 775 795 800 805 833 843 846 850 880 883 891 902 903 904 905 907  <b>2022 Series -</b> 003 007 009 010 011 012 013 014 015 016 017 018 019 020 021 022  (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 <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a>.  2. Cancel this MSG 141000 UTC Jan 22.</p>
<p><b>024. India West Coast.</b> Charts IN 21 203 255 292 INT 7021. Coastal triumph progressing survey in vicinity of 20-22.11N 072-12.69E, 19-44.77N 071-42.16E, 19-14.02N 071-48.98E, 19-16.06N 071-41.92E, 18-58.44N 071-17.57E, 18-14.76N 072-21.87E, 19-48.29N 071-41.19E, 19-40.38N 071-38.55E, 19-39.54N 071-44.4E, 20-35N 070-50E, 21-30N 069-25E, 22-40N 070-00E. Wide berth of 01 NM requested. 2. Cancel this MSG 081830 UTC Feb 22.</p>
<p><b>025. Indian Ocean - Off Kenya.</b> Charts IN 7070 7071 INT 71. Submarine cable repair being progressed along 04-3.78S 039-42.62E, 04-4.34S 039-42.99E. Wide berth requested 2. Cancel this MSG 191830 UTC Jan 22.</p>
<p><b>026. Bay Of Bengal - Off Andaman I.</b> Charts IN 33 7706 INT 755. Firing by CG Aircraft scheduled on 12, 13 Jan 22 from 0230 to 0730 UTC in danger area bounded within 11-50N TO 12-00N and 090-30E to 091-00E. Wide berth from area advised. 2. Cancel this MSG 130830 UTC Jan 22.</p>
<p><b>027. India East Coast - Off Chennai.</b> Charts IN 32 313 356 391 INT 7400. Firing by CG Aircraft scheduled on 13, 14 Jan 22 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 141230 UTC Jan 22.</p>
<p><b>028. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig move. Virtue 1 (19-26.15N 071-18.63E). Refer to 033(T) of INTM 01/22. Wide berth requested.</p>
<p><b>029. India West Coast.</b> Charts IN 21 254 255 292 INT 7021. Rig move. Aban III (19-24.65N 071-13.07E), Ron Tappmeyer (20-08.68N 071-44.93E). Refer to 033(T) OF INTM 01/22. Wide berth requested.</p>
<p><b>030. India West Coast - off Mumbai.</b> Charts IN 21 211 255 292 INT 7334. Motor tug Arshiya will progress survey from 13 Jan 22 in area bounded by 19-08.83N 072-48.51E, 19-05.31N 072-49.56E, 19-00.27N 072-41.97E, 19-03.08N 072-42.08E. Wide berth requested. 2. Cancel this MSG 311830 UTC Jan 22.</p>
<p><b>031. Cancel NAVAREA VIII MSG 384/20, 528/21, 642/21 and this MSG.</b></p>
<p><b>032. India West Coast - off Bhatkal .</b> Charts IN 22 216 257 294 2356 INT 7343. Firing scheduled from 17 to 21 Jan 22 from 0230 to 1130 UTC in danger area bounded by 14-01.05N 074-27.57E, 13-51.05N 074-27.57E, 13-51.05N 074-07.57E, 14-11.05N 074-07.57E, 14-09.05N 074-22.57E. Wide berth from area advised.</p>

<b>032. Continued.</b>
2. Cancel this MSG 211230 UTC Jan 22
<b>033. India West Coast - off Porbandar.</b> Charts IN 21 204 252 271 292 INT 7325. IAF firing from Kathiawar range scheduled from 17 to 20 Jan 22 from 0330 to 0530 UTC and 0730 to 0930 UTC in danger area bounded by 22-12N 068-36.33E, 21-15.5N 069-04E, 21-09N 069-40E, 21-15.5N 069-42.5E, 22-05.75N 068-49E . Wide berth from area advised 2. Cancel this MSG 201030 UTC Jan 22
<b>034. India East Coast - Visakhapatnam.</b> Charts IN 31 32 308 354 391 3002 3012 INT 7410. Firing scheduled on 19 Jan 22 from 0001 to 0130 UTC 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 190230 UTC Jan 22.
<b>035. NAVAREA VIII - Warnings in force as on 14 Jan 2022</b> <b>2020 Series -</b> 333 442 593 630 690 691 751 757 <b>2021 Series -</b> 017 147 286 340 387 392 420 447 463 478 479 480 491 493 540 544 550 601 604 606 629 633 644 658 688 690 701 728 756 759 761 771 772 775 795 800 805 833 843 846 880 883 891 902 903 904 905 907 <b>2022 Series -</b> 003 007 009 010 012 013 014 016 017 021 022 024 025 028 029 030 032 033 034 (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 <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a> 2. Cancel this MSG 211000 UTC Jan 22.
<b>036. Cancel NAVAREA VIII MSG 014/22 and this MSG.</b>
<b>037. India West Coast.</b> Charts IN 21 210 254 292 INT 7331. Rig move. Trident 2 (20-22.14N 072-12.64E). Refer to 33(T) OF INTM 01/22. Wide berth requested.
<b>038. Cancel NAVAREA VIII MSG 033/22 and this MSG.</b>

**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
D6956	- Pointe des Sorciers	16 59.47 S 49 51.02 E	F WR	18	W 8 R 6	White 8- sided tower 6	R010°- 050°(40°), W050°- 190°(140°) *
D7299.57	- No 2	17 16.83 N 41 33.45 E	FI(3)W 12s	..	12	Red daymark	..
	--	..	Racon	..	..	..	ILRS Vol 2 Station 76030 *
D9162.57	Shirinu	27 35.48 N 52 29.71 E	FI R 6s	5	8	Red beacon	..
*	*	*	*	*	*	*	*
D9162.575	Shirinu	27 35.47 N 52 29.89 E	FI G 6s	5	8	Green beacon	..
*	*	*	*	*	*	*	*
D9162.58	Shirinu. Breakwater Head	27 35.80 N 52 29.70 E	FI R 6s	5	8	Red beacon	..
			*	*	*	*	
D9162.59	Shirinu	27 35.82 N 52 29.87 E	FI G 6s	5	8	Green beacon	..
*	*	*	*	*	*	*	*
F1212.8	South Sentinal Island	10 58.83 N 92 13.53 E	FI W 15s	38	10	White metal framework tower, red bands 36	<i>fl 0.3</i> *
F1685.78	- Banyan	01 13.35 N 103 41.58 E	FI(2)W 10s	11	5	Black 8 on black beacon, red band	<b>TE; replaced by light buoy FI(02)10s Close SW (T) 2021 MMSI No 995631118</b> *
	--	..	AIS	..	..	..	



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

**INP 31(1), 2019**

*(Last correction: Edition No. 24 dated 16 Dec 2021)*

NIL

**INP 31(2), 2019**

*(Last correction: Edition No. 01 dated 01 Jan 2022)*

NIL

**INP 31(5), 2017**

*(Last correction: Edition No. 24 dated 16 Dec 2021)*

NIL

**INP 31(6), 2018**

*(Last correction: Edition No. 23 dated 01 Dec 2021)*

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](mailto:msis-inho@navy.gov.in), [inho@navy.gov.in](mailto:inho@navy.gov.in)  
Fax No. : +91-135- 2748373  
Web : [www.hydrobharat.gov.in](http://www.hydrobharat.gov.in)

#### Instructions for filling up IH 102

2. Kindly follow the instructions below in order to help the Hydrographic Office (the recipient) to quickly issue NAVAREA warning / Notice to Mariners for the benefit of all other mariners at sea.

#### Position Reporting

3. Accurate position or knowledge of position error is of great importance. Latitude and Longitude should only be used to specify position details when they have been fixed by GPS or Astronomical Observations. A full description of the method, equipment, time and datum (WGS 84/ Everest/ Other) used should be given. When position is defined by sextant angles or bearings (true or magnetic to be specified), more than two bearings should be used in order to provide a redundancy check. Distances observed by Radar should be corrected for index errors. Where position is derived after the event, from other observations and/or Dead Reckoning, the methodology of deriving the position should be included.

4. Paper Charts. A copy/tracing of largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.

5. ENCs. A Screen shot of largest scale usage band ENC with the alterations and additions being shown thereon in red. If it is to report an issue with the display of an ENC, a screen shot of the affected cell should be sent along with details of the ECDIS make and version in use at the time.

#### Depth Reporting

6. When soundings are obtained using echo sounders, the echo sounding trace should be duly annotated with date, times, position, depths, etc., and forwarded with the IH102. It is important to state whether the echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given. Time and date should be given in order that corrections for the height of the tide may be made where necessary. The make, name and type of echo sounder should also be given.

7. For modern echo sounders that use electronic 'range gating', care should be taken that the correct range scale and appropriate gate width are in use. Older electro-mechanical echo sounders frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set's nominal range can usually be recognised by the following:

- (a) The trace being weaker than normal for the depth recorded;
- (b) The trace passing through the transmission line;
- (c) The feathery nature of the trace.

As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from the charted depths. Efforts should be made to identify and negate false echoes if any. The Mariners Handbook (NP100) and Notice 15 Special Edition of Notice to Mariners may be consulted.

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

9. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers in such that any uncharted depth under 30 meters or 15 fathoms may be of sufficient importance to justify a radio message.

10. Changes to Port information should be forwarded on Form IH.102A together with form IH.102. Form 102A contains the information required for Sailing Directions and should be used as an *aide memoir*. The Mariners Handbook, NP100, Chapter 8 gives general instructions. Where there is insufficient space on the forms an additional sheet should be used.

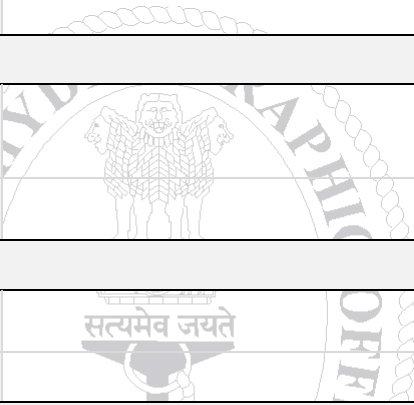

***Please Note:*** - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further,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



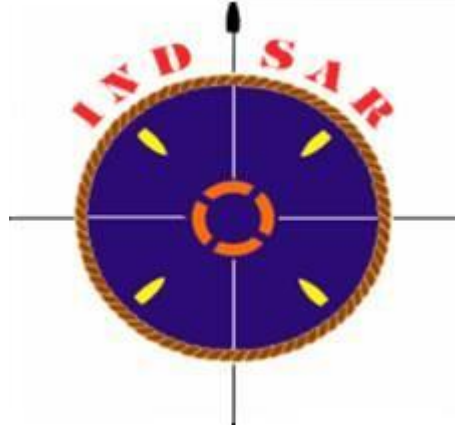
<b>HYDROGRAPHIC NOTE</b>				<b>IH.102 (Revised 2012)</b>	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues					
Date		Ref. Number			
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date		Time (UTC/IST)			
Object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

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

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

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





**FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR**

**Email: [mrcc-west@indiancoastguard.nic.in](mailto:mrcc-west@indiancoastguard.nic.in)**

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

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

**AFTN: VABBYXYC**