

# INDIAN NOTICES TO MARINERS

EDITION NO. 09 DATED 01 MAY 2023

(CONTAINS NOTICES 090 TO 098)



REACH US 24 x 7



[msis-inho@navy.gov.in](mailto:msis-inho@navy.gov.in)  
[inoh@navy.gov.in](mailto:inoh@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

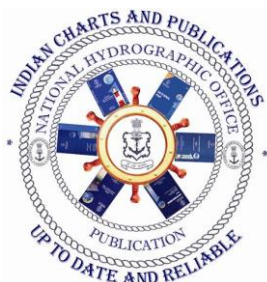
[www.hydrobharat.gov.in](http://www.hydrobharat.gov.in)

## CONTENTS

Section No.	Title
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<sub>s</sub> AND PUBLICATION**

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

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

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
<b>4006 (INT 7449)</b>	<b>31-03-2023</b>	<b>PORT BLAIR</b> 11° 38'.00N; 92° 39'.80E. 11° 43'.20N; 92° 48'.50E.	<b>15,000</b>	<b>6</b>	<b>Rs. 2000.00</b>
<b>4012</b>	<b>31-03-2023</b>	<b>PORT BLAIR – INNER HARBOUR</b> 11° 40'.05N; 92° 42'.25E. 11° 41'.80N; 92° 45'.10E.	<b>5,000</b>	<b>6</b>	<b>Rs. 2000.00</b>

3. The Indian Charts that are 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>
<b>4006 (INT 7449)</b>	<b>15-08-2015</b>	<b>PORT BLAIR</b>	<b>4006 (INT 7449)</b>	<b>31-03-23</b>
<b>4012</b>	<b>30-04-2014</b>	<b>PORT BLAIR – INNER HARBOUR</b>	<b>4012</b>	<b>31-03-23</b>

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>
<b>-NIL-</b>			

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
<b>IN52008A</b>	<b>2008</b>	<b>APPROACHES TO KARWAR</b>	<b>27-04-2023</b>
<b>IN42353A</b>	<b>2353</b>	<b>APPROACHES TO KARWAR AND BELEKERI</b>	<b>27-04-2023</b>
<b>IN54006B</b>	<b>4006</b>	<b>PORT BLAIR</b>	<b>27-04-2023</b>
<b>IN64012P</b>	<b>4012</b>	<b>PORT BLAIR – INNER HARBOUR</b>	<b>27-04-2023</b>

6. 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>
<b>-NIL-</b>			

## VI

7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
<b>2025</b>	<b>RELIANCE TANKER BERTHS</b>	<b>7,500</b>	<b>NEW CHART</b>
<b>2508</b>	<b>AGALEGA JETTY</b>	<b>5,000</b>	<b>NEW CHART</b>
<b>2596</b>	<b>KULHUDHUFFUSHI ANCHORAGES</b>	<b>25,000</b>	<b>NEW CHART</b>
<b>2695</b>	<b>WESTERN APPROACHES TO PEMBA ISLAND</b>	<b>50,000</b>	<b>NEW CHART</b>
<b>302</b>	<b>SAGAR ISLAND TO DHAMRA PORT</b>	<b>1,50,000</b>	<b>NEW CHART</b>
<b>303</b>	<b>DHAMRA PORT TO PARADIP PORT</b>	<b>1,50,000</b>	<b>NEW CHART</b>
<b>3030</b>	<b>BHIMUNIPATNAM ANCHORAGE</b>	<b>12,500</b>	<b>NEW EDITION</b>
	<b>APPROACHES TO BHIMUNIPATNAM</b>	<b>25,000</b>	<b>NEW EDITION</b>
<b>315</b>	<b>PALK STRAIT</b>	<b>1,25,000</b>	<b>NEW EDITION</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:

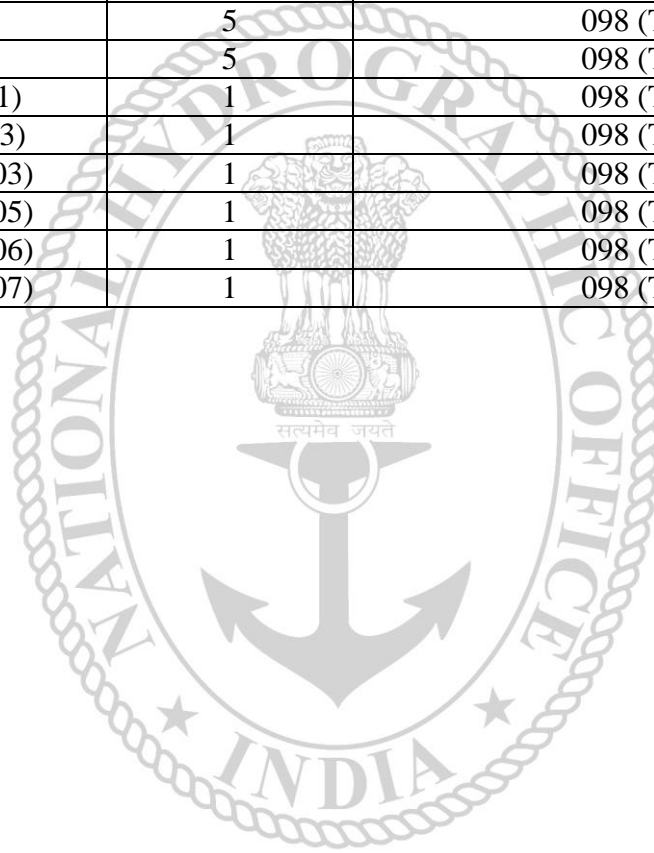
<b>United Kingdom Hydrographic Office</b> Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel : +44 (0) 1823 337900 Fax : +44 (0) 1823 330561, 1823 284077 Web site : <a href="http://www.hydro.gov.uk">www.hydro.gov.uk</a>	<b>M/s IIC Technologies Limited</b> B-2-350/5/B-22, Road No. 3 Banjara Hills, Hyderabad - 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>
<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>	

**SECTION – I**

The list of charts affected by the Notices 090 to 098 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	096 (T), 098 (T)
22 (INT 752)	3	096 (T), 098 (T)
31 (INT 756)	5	095, 097 (T), 098 (T)
32 (INT 754)	5	097 (T), 098 (T)
33 (INT 755)	5	098 (T)
207	2	096 (T)
209	3	096 (T)
210	3	096 (T)
211	3	096 (T), 098 (T)
212	3	098 (T)
213	3	098 (T)
219	4	098 (T)
221	4	098 (T)
222	4	098 (T)
223	4	098 (T)
224	5	098 (T)
253 (INT 7328)	2	096 (T)
254 (INT 7331)	3	096 (T)
255 (INT 7334)	3	096 (T), 098 (T)
256 (INT 7340)	3	096 (T), 098 (T)
258 (INT 7348)	4	098 (T)
259 (INT 7356)	4	098 (T)
260 (INT 7362)	4	098 (T)
261 (INT 7363)	4	098 (T)
262 (INT 7365)	5	098 (T)
263 (INT 7383)	5	098 (T)
268 (INT 7353)	4	098 (T)
272	4	098 (T)
273	4	098 (T)
292 (INT 7021)	2	096 (T), 098 (T)
293 (INT 7022)	3	096 (T), 098 (T)
294 (INT 7023)	4	098 (T)
295 (INT 7024)	4	098 (T)
305	5	098 (T)
308 (INT 7409)	5	098 (T)
351 (INT 7419)	5	098 (T)
352 (INT 7416)	5	098 (T)
353 (INT 7413)	5	098 (T)
354 (INT 7408)	5	097 (T), 098 (T)
355 (INT 7405)	5	097 (T)
356 (INT 7400)	5	098 (T)
357 (INT 7397)	5	094, 098 (T)
391	5	097 (T), 098 (T)
2008	3	091
2023	4	098 (T)

2028	3	098 (T)
2032	4	098 (T)
2036 (INT 7352)	3	092
2037	5	098 (T)
2048	4	098 (T)
2053	4	098 (T)
2101 (INT 7347)	3	096 (T)
2103	3	092
2104	4	098 (T)
2353	3	090
3002 (INT 7410)	5	098 (T)
3033	5	094
3034	5	098 (T)
3035	5	098 (T)
3036	5	093
3043	5	098 (T)
3044	5	098 (T)
7071 (INT71)	1	098 (T)
7073 (INT 73)	1	098 (T)
7703 (INT 703)	1	098 (T)
7705 (INT 705)	1	098 (T)
7706 (INT 706)	1	098 (T)
7707 (INT 707)	1	098 (T)





**SECTION – II****PERMANENT NOTICES****\*090 (09/23) INDIA – WEST COAST – Approaches to Karwar and Belekeri – Accompanying Block.**

Source: NHO, Dehradun.

**Chart 2353** [previous update 066/22]

Insert accompanying block, centered on; 14° 45′.54N., 074° 09′.21E.

**\*091 (09/23) INDIA – WEST COAST – Approaches to Karwar – Accompanying Block.**

Source: NHO, Dehradun.

**Chart 2008** [previous update 066/22]

Insert accompanying block, centered on; 14° 45′.79N., 074° 08′.62E.

**\*092 (09/23) INDIA – WEST COAST – Dighi Port – Turning Circle and Legend.**

Source: Dighi Port Ltd.

**Chart 2036 (INT 7352)** [previous update NC 31 MAR 2016]

Insert Turning Circle with radius of 300 mtr, centered on; 18° 16′.70N., 072° 58′.50E.

legend, “TURNING CIRCLE” centered on; 18° 16′.70N., 072° 58′.50E.

Delete Turning Circle with radius of 300 mtr, centered on; 18° 16′.80N., 072° 58′.70E.

legend, “TURNING CIRCLE” centered on; 18° 16′.80N., 072° 58′.70E.

**Chart 2103** [previous update 050/16]

Insert Turning Circle with radius of 300 mtr, centered on; 18° 16′.70N., 072° 58′.50E

legend, “TURNING CIRCLE” centered on; 18° 16′.73N., 072° 58′.50E

Delete Turning Circle with radius of 300 mtr, centered on; 18° 16′.80N., 072° 58′.70E.

legend, “TURNING CIRCLE” centered on; 18° 16′.83N., 072° 58′.69E

**\*093 (09/23) INDIA - EAST COAST– Chemplast Cuddalore Vinyls Terminal – light.**

Source: Chemplast Cuddalore Vinyls Ltd.

**Chart 3036** [previous update 173/21]

Amend characteristics of light to, “Fl.R.4s”, centered on; 11° 38′.41N., 079° 46′.29E.

characteristics of light to, “Fl.G.4s”, centered on; 11° 38′.34N., 079° 46′.44E.

**\*094 (09/23) INDIA - EAST COAST– Karaikal Anchorage – Wreck.**


Source: Chennai Petroleum Corporation Ltd.

**Chart 357 (INT 7397)** [previous update 088/23]Substitute  for  <sup>PA</sup>, centered on; 10° 49′.16N., 079° 53′.06E.Delete  <sup>PA</sup> 10° 49′.70N., 079° 53′.00E.**Chart 3033** [previous update 087/23]Substitute  for  <sup>PA</sup>, centered on; 10° 49′.16N., 079° 53′.06E.Delete  <sup>PA</sup> 10° 49′.70N., 079° 53′.00E.**Chart 3033 (Plan)** [previous update 087/23]Substitute  for  <sup>PA</sup>, centered on; 10° 49′.16N., 079° 53′.06E.Delete  <sup>PA</sup> 10° 49′.70N., 079° 53′.00E.**\*095 (09/23) INDIAN – OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Wrecks**

Source: BNHOC Notice No. 05/2023.

**Chart 31 (INT 756)** [previous update 082/23]Insert  21° 47′.14N., 091° 30′.52E. 21° 45′.76N., 091° 29′.36E. 22° 05′.81N., 091° 31′.48E. 21° 46′.74N., 091° 23′.58E. <sup>Obstn</sup> 21° 41′.79N., 090° 58′.05E. <sub>6</sub> <sup>Wk</sup> 22° 13′.00N., 091° 48′.00E. <sub>9</sub> <sup>Wk</sup> 22° 15′.55N., 091° 44′.31E. <sub>2</sub> <sup>Wk</sup> 22° 12′.42N., 091° 43′.83E.Move  from 21°49′.70N., 091°29′.20E.

to 21°49′.90N., 091°29′.22E.

Delete  <sup>PA</sup> 22° 05′.70N., 091° 31′.43E. 21° 47′.09N., 091° 30′.49E.

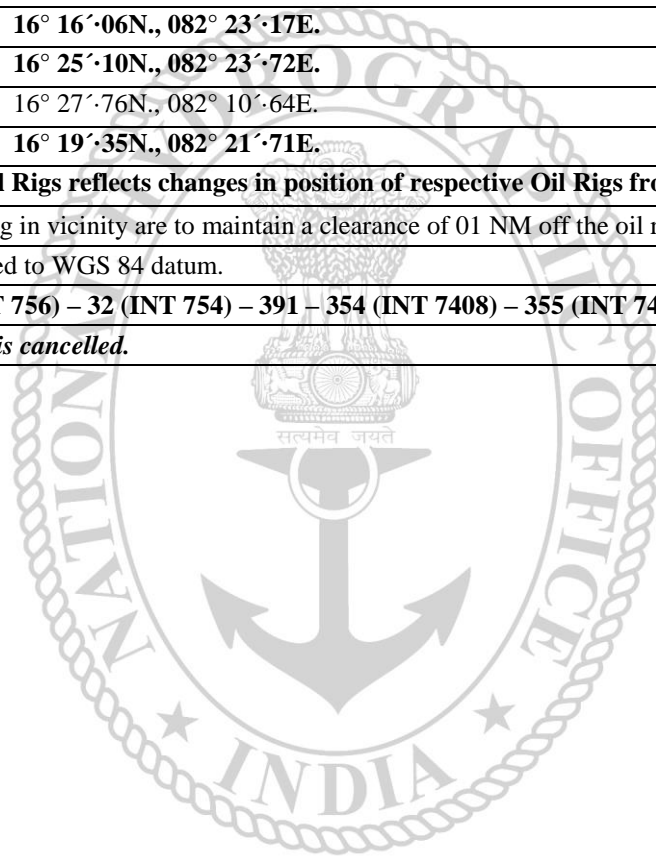
**Section – III****TEMPORARY AND PRELIMINARY NOTICES**

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

<b>*096 (T) (09/23)</b>	<b>INDIA – WEST COAST – Arabian Sea – Oil Rigs.</b>
Source: NCD, Mumbai.	
1. List of Oil Rigs is as follows: -	
<b>Rig Name</b>	<b>Position</b>
Aban III	18° 40'.37N., 072° 21'.47E.
<b>Aban IV</b>	<b>18° 17'.31N., 072° 20'.91E.</b>
<b>Aban VIII</b>	<b>18° 33'.63N., 072° 14'.94E.</b>
CE Thornton	19° 26'.11N., 071° 24'.16E.
Compact Driller	21° 01'.91N., 072° 33'.25E.
Discovery 1	19° 15'.95N., 072° 06'.05E.
DS Fossil	19° 21'.43N., 071° 17'.06E.
DS Fortune	18° 34'.48N., 072° 16'.76E.
FG MC Clintok	20° 41'.85N., 071° 44'.81E.
<b>Foresight Driller IX</b>	<b>18° 37'.93N., 072° 14'.22E.</b>
Great Drill Chaaru	19° 36'.62N., 071° 20'.66E.
Great Drill Chetna	18° 47'.74N., 071° 15'.67E.
<b>Great Drill Chaaya</b>	<b>18° 39'.51N., 072° 12'.85E.</b>
Great Drill Chitra	18° 56'.92N., 072° 15'.93E.
Jindal Star	18° 33'.72N., 072° 17'.66E.
Jindal Supreme	18° 46'.85N., 072° 17'.12E.
<b>JT Angel</b>	<b>19° 33'.08N., 071° 21'.27E.</b>
Jindal Explorer	19° 13'.35N., 072° 10'.87E.
Parameswara	19° 31'.76N., 071° 17'.39E.
Ron Tappmeyer	20° 37'.32N., 071° 38'.77E.
<b>Sagar Vijay</b>	<b>19° 02'.04N., 071° 24'.38E.</b>
Sagar Jyoti	18° 39'.23N., 072° 18'.19E.
Sagar Kiran	20° 25'.80N., 071° 54'.61E.
Sagar Ratna	20° 11'.59N., 072° 17'.33E.
Sagar Shakti	20° 20'.87N., 072° 13'.94E.
<b>Sagar Uday</b>	<b>19° 48'.10N., 071° 22'.70E.</b>
Sagar Gaurav	19° 39'.07N., 071° 55'.36E.
<b>Trident 2</b>	<b>19° 29'.98N., 072° 16'.28E.</b>
Trident 12	19° 07'.39N., 072° 06'.44E.
Vivekananda 1	19° 08'.72N., 071° 55'.25E.
Vivekananda 2	18° 39'.22N., 070° 58'.86E.
Virtue 1	19° 10'.61N., 070° 57'.65E.
Victory Driller	19° 15'.66N., 071° 21'.21E.
2. <b>All Highlighted Oil Rigs reflects changes in position of respective Oil Rigs from previous Notice.</b>	
3. All vessels operating in vicinity are to maintain a clearance of 01 NM off the oil rigs.	

4. All positions referred to WGS 84 datum
<b>Charts Affected – 21 – 22 (INT 752) - 292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 207 – 209 – 210 – 211 – 2101 (INT 7347)</b>
<b><i>Former INTM 064 (T)/23 is cancelled.</i></b>

<b>*097 (T) (09/23)</b>	<b>INDIA – EAST COAST – Bay of Bengal – Oil Rigs.</b>
Source: NCD, Mumbai.	
1. List of Oil Rigs is as follows: -	
<b>Rig Name</b>	<b>Position</b>
Aban II	16° 20'·51N., 081° 55'·45E.
<b>DDKG 1</b>	<b>16° 31'·74N., 082° 35'·92E.</b>
<b>Platinum Explorer</b>	<b>16° 16'·06N., 082° 23'·17E.</b>
<b>Olinda Star</b>	<b>16° 25'·10N., 082° 23'·72E.</b>
Key Singapore	16° 27'·76N., 082° 10'·64E.
<b>West Polaris</b>	<b>16° 19'·35N., 082° 21'·71E.</b>
2. <b>All Highlighted Oil Rigs reflects changes in position of respective Oil Rigs from previous Notice.</b>	
3. All vessels operating in vicinity are to maintain a clearance of 01 NM off the oil rigs.	
4. All positions referred to WGS 84 datum.	
<b>Charts Affected – 31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408) – 355 (INT 7405).</b>	
<b><i>Former INTM 058 (T)/23 is cancelled.</i></b>	



<b>*098 (T) (09/23)</b>		<b>INDIAN OCEAN – Northern Part – Wave Rider Buoys.</b>	
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° 22′.20N	087° 37′.28E	31 (INT 756) – 351 (INT 7419)- 7071 (INT71) – 7073 (INT 73) – 7706 (INT 706)
WRB Gopalpur	19° 15′.27N	084° 56′.13E	31 (INT 756) – 305 – 352 (INT 7416) – 353 (INT 7413) - 3043– 7706 (INT 706)
WRB Kanyakumari	08° 06′.48N	077° 17′.88E	22 (INT 752) – 32 (INT 754) – 222 – 223 – 261 – 262 (INT 7365) – 263 (INT 7383) – 2048 – 7703 (INT 703) – 7706 (INT 706) – 7707 (INT 707)
WRB Kavaratti	10° 32′.23N	072° 36′.63E	22 (INT 752) – 268 (INT 7353) – 273 – 295 –2023 – 7703 (INT 703) – 7705 (INT 705) – 7706 (INT 706)
WRB Kollam	08° 52′.13N	076° 32′.80E	22 (INT 752) – 32 (INT 754) – 221 – 222 – 260 (INT 7362) – 2032 – 2104 – 7703 (INT 703) – 7706 (INT 706) – 7707 (INT 707)
WRB Kozhikode	11° 17′.90N	075° 39′.78E	22 (INT 752) – 219 – 258 (INT 7348) – 259 (INT 7356) – 272 – 294 – 2053 – 7071 (INT 71) – 7073 (INT 73) – 7703 (INT 703) – 7705 (INT 705) – 7706 (INT 706)
<b>WRB Krishnapatnam</b>	<b>14° 16′.66N</b>	<b>080° 11′.58E</b>	<b>31 (INT 756) – 32 (INT 754) – 33 (INT 755) –391 – 356 (INT 7400) – 3034 – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706)</b>
<b>WRB Pondicherry</b>	<b>11° 54′.88N</b>	<b>079° 50′.83E</b>	<b>32 (INT 754) – 357 (INT 7397) – 3044 – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706)</b>
WRB Ratnagiri	16° 58′.60N	073° 15′.20E	22 (INT 752) – 212 – 213 –256 (INT 7340) –293 (INT 7022) – 2028 – 7705 (INT705) – 7706 (INT 706)
WRB Tuticorin	08° 52′.93N	078° 17′.72E	32 (INT 754) – 224 – 262 (INT 7365) – 2037 – 7706 (INT 706) – 7707 (INT 707)
WRB Versova	19° 07′.92N	072° 44′.22E	21– 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 7705 (INT 705) – 7706 (INT 706)
WRB Visakhapatnam	17° 38′.30N	083° 15′.93E	31 (INT 756) – 32 (INT 754) – 308 (INT 7409) – 354 (INT 7408) – 391 – 3002 (INT 7410) – 3035 – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706)
2. All Highlighted Buoys reflects changes in position of respective buoys from previous Notice.			
3. All positions referred to WGS 84 datum.			
4. Vessels operating in vicinity are to maintain a safe distance from buoys and exercise caution.			
5. Former INTM 067 (T)/23 is cancelled.			

## **SECTION – IV**

### **MARINE INFORMATION**

#### **1. NAVTEX TRANSMISSION**

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

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

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

<b>INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz</b>								
<b>Sl.</b>	<b>Station Name</b>	<b>B1</b>	<b>Broad Cast Timings in UTC</b>					
(a)	Veraval	H	0110	0510	0910	1310	1710	2110
(b)	Vengurla Point	J	0130	0530	0930	1330	1730	2130
(c)	Muttam Point	L	0150	0550	0950	1350	1750	2150
(d)	Porto Novo	O	0220	0620	1020	1420	1820	2220
(e)	Vakalpudi	Q	0240	0640	1040	1440	1840	2240
(f)	Balasore	S	0300	0700	1100	1500	1900	2300
(g)	Keating Point	V	0330	0730	1130	1530	1930	2330

#### **2. MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS**

All merchant vessels entering Indian EEZ are advised that dense fishing activity may be encountered off West Coast of India. Fishing is generally carried out by mechanized boats and single hull boats with outboard motors carrying 4-5 crews using long lines upto 50 NM from coast. The vessels traversing the nets are likely to be approached by fishing boats for safeguarding nets and lines and should not be mistaken as skiffs and PAG's. Masters of vessels to report any suspicious activity of fishing vessels immediately to MRCC (Mumbai) on telephone +91-22-24388065, 24316558, Email: - mrcc-west@indiancoastguard.nic.in. Any suspicious activity of skiffs/ boats to be photographed if possible. Merchant vessels with armed guards on board are to report presence of guards to Indian Navy/Coast Guard while transiting Indian EEZ.

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

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website [www.iho.int](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**

<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>	<b>M/s VDO Marine Instruments</b> 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: <a href="mailto:atmain@md4.vsnl.net.in">atmain@md4.vsnl.net.in</a>
<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>	<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>
<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>	<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>
<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>	<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>
<b>M/s Lift o Marine</b> Allen's Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: <a href="mailto:sankar@liftomarine.org">sankar@liftomarine.org</a> , <a href="mailto:liftomarine77@gmail.com">liftomarine77@gmail.com</a> Web: <a href="http://www.liftomarine.org">www.liftomarine.org</a>	<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>
<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>	<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>



## SECTION – V

### NAVAREA – VIII WARNINGS IN FORCE.

1. All in force NAVAREA and NAVTEX messages are available for visualisation along with details of affected Charts and ENC's for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on [www.hydrobharat.gov.in](http://www.hydrobharat.gov.in).
2. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2020.
3. NAVAREA VIII Warnings in force as on 01 May 23: -

<b>2021 SERIES</b> - 286 340 478 658 759 833
<b>2022 SERIES</b> - 049 093 117 118 134 162 180 237 253 259 286 313 391 437 445 446 461 476 497
513 519 536 546 584 601 617 646 651 656 688 757 805 824 856 970 980 997 1011
<b>2023 SERIES</b> - 037 064 071 104 112 116 126 144 161 162 172 178 179 205 224 231 238 239 240
241 254 272 273 276 280 297 307 319 324 328 329 343 344 347 353 355 356 357 363 368 369
375 378 381 385 386 390 391 394 400 401 402 403 404 409 410 411 412 415 416 417 418 419
421

4. NAVAREA VIII Warnings issued during the period from 16 Apr 23 to 30 Apr 23 (both dates inclusive) are as tabulated below: –

<p><b>365. India West Coast - off Porbandar.</b> Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled on 19 Apr 23 from 0400 to 0800 UTC in danger area bounded by 21-32N 069-24E, 21-17N 069-24E, 21-17N 069-06E, 21-32N 068-56E. Wide berth from area advised.</p> <p>2. Cancel this MSG 190900 UTC Apr 23.</p>
<p><b>366. Cancel NAVAREA VIII MSG 489/22, 546/22, 656/22, 980/22, 273/23 and this MSG. INTM 081, 082, 083, 084, 086, 08/23 refers.</b></p>
<p><b>367. India East Coast - off Paradip.</b> Charts IN 31 352 INT 756. Experimental flight trials scheduled from 20 to 22 Apr 23 from 0430 to 0630 UTC and 0830 to 1030 UTC in danger area bounded by 19-56.48N 086-32.92E, 17-58.75N 086-18.92E, 17-46.95N 087-39.4E, 19-49.27N 087-53.98E. Wide berth from area advised.</p> <p>2. Cancel this MSG 221130 UTC Apr 23.</p>
<p><b>368. Andaman Sea - off Myanmar.</b> Charts IN 41 7706 INT 706. CS Nusantara explorer progressing cable route survey along 15-25.98N 096-31.96E, 15-12.82N 096-29.08E. Wide berth requested.</p> <p>2. Cancel this MSG 021830 UTC May 23.</p>
<p><b>369. Andaman Sea - off Myanmar.</b> Charts IN 41 7073 7706 INT 706. Asean restorer progressing cable repairs at 15-37.10N 096-46.50E. Wide berth requested.</p> <p>2. Cancel this MSG 311830 UTC May 23.</p>
<p><b>370. India West Coast - off Trivandrum.</b> Charts IN 22 222 260 261 INT 752. Rocket launch from thumba (08-31.98N 076-52.05E) scheduled on 19 Apr 23 from 0530 to 0700 UTC. Danger sector (a) Radius of 05 Nm between azimuth 190 and 300 (b) Radii of 45 Nm and 75 Nm between azimuth 220 and 260. Wide berth from area advised.</p> <p>2. Cancel this MSG 190800 UTC Apr 23.</p>
<p><b>371. Andaman Sea - off Port Blair.</b> Charts IN 33 41 473 INT 7031. Firing scheduled 20 and 21 Apr 23 from 1530 to 1730 UTC in danger area bounded by 11-40.8N 092-45.9E, 11-38.13N 093-00.7E, 11-30.65N 092-56.9E, 11-26.33N 092-50.27E. Wide Berth from area Advised.</p> <p>2. Cancel this MSG 211830 UTC Apr 23.</p>
<p><b>372. India East Coast - off Chennai.</b> Charts IN 32 313 356 391 INT 7400. Firing by CG aircraft scheduled on 21 Apr 23 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.</p> <p>2. Cancel this MSG 211230 UTC Apr 23.</p>
<p><b>373. Cancel NAVAREA VIII MSG 370/23 and this MSG.</b></p>
<p><b>374. Arabian Sea.</b> Charts IN 22 7073 7703 7705 INT 703. SW BLY progressing seismic survey in area bounded by 13-46.44N 068-27.69E, 15-23.41N 070-27.10E, 07-41.11N 073-18.95E, 08-04.57N 070-40.62E. Wide berth requested.</p> <p>2. Cancel this MSG 301830 UTC Apr 23.</p>
<p><b>375. India West Coast.</b> Charts IN 21 255 292 INT 7021. Rig move. Trident-II (19-44.10N, 071-34.03E). Refer to 064(T)</p>

<b>375. Continued</b> of INTM 06/23. Wide berth requested.
<b>376. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7334. ATHBA progressing submarine cable repairs in area bounded by 19-00.65N 071-10.63E, 18-58.85N 071-10.63E, 18-58.87N 071-32.94E, 19-00.63N 071-32.94E. Wide berth of 01 Nm requested. 2. Cancel this MSG 251830 UTC Apr 23.
<b>377. India West Coast - off Mumbai.</b> Charts IN 21 292 255 INT 7334. AL Marwa and Akash III progressing cable laying operation in areas bounded by (a) 19-06.26N 072-47.85E, 19-05.97N 072-48.01E, 19-05.76N 072-47.65E, 19-06.05N 072-47.48E (b) 19-00.28N 072-40.87E, 19-00.16N 072-41.20E, 18-59.46N 072-40.87E, 18-59.61N 072-40.55E (c) 18-57.53N 072-34.73E, 18-57.22N 072-34.85E, 18-57.01N 072-34.33E, 18-57.31N 072-34.18E. Wide berth requested. 2. Cancel this MSG 301830 UTC Apr 23.
<b>378. India West Coast - Gulf of Khambhat.</b> Charts IN 21 208 254 INT 7331. Trewenna, Wenna, Kohinoor 1 and Aero Pride progressing seismic survey in area bounded by 22-12.90N 072-22.60E, 22-12.96N 072-25.09E, 22-11.22N 072-25.15E, 22-11.27N 072-28.65E, 22-13.02N 072-28.59E, 22-13.08N 072-30.73E, 22-02.88N 072-30.88E, 22-02.85N 072-30.27E, 21-52.76N 072-30.36E, 21-52.69N 072-33.45E, 21-49.19N 072-33.47E, 21-48.98N 072-19.75E, 21-54.34N 072-19.72E, 21-54.35N 072-22.68E. Wide berth requested. 2. Cancel this MSG 141830 UTC May 23.
<b>379. Lakshadweep Sea - Off Kavaratti I.</b> Charts IN 22 268 273 INT 7353. Firing Scheduled On 21 Apr 23 From 0230 To 0630 UTC In Danger Area Bounded Within 10-15N To 10-30N And 072-40E To 072-55E. Wide berth from area advised. 2. Cancel This MSG 210730 UTC Apr 23.
<b>380. India East Coast - off Paradip.</b> Charts IN 31 7706 INT 756. Experimental flight trials scheduled from 21 to 23 Apr 23 from 0230 to 0630 UTC in danger area bounded by 20-48.37N 087-02.58E, 20-10.93N 086-48.32E, 15-21.27N 086-36.12E, 15-30.8N 088-32.02E, 20-14.22N 087-28.35E, 20-48.77N 087-07.4E. Wide berth from area advised. 2. Cancel this MSG 230730 UTC Apr 23.
<b>381. India West Coast - off Mumbai.</b> Charts IN 21 255 293 INT 7022. Samudra Sarvekshak progressing survey in vicinity of 18-16.66N 072-19.84E, 18-14.49N 072-23.38E, 18-08.09N 072-19.41E, 18-16.49N 072-19.84E, 18-14.44N 072-23.24E, 18-07.92N 072-19.37E. Wide berth requested. 2. Cancel this MSG 171830 UTC May 23.
<b>382. Andaman Sea - off Port Blair.</b> Charts IN 33 41 473 INT 7031. Firing scheduled 20 and 21 Apr 23 from 1000 to 1200 UTC in danger area bounded by 11-40.8N 092-45.9E, 11-38.13N 093-00.7E, 11-30.65N 092-56.9E, 11-26.33N 092-50.27E. Wide berth from area advised. 2. Cancel NAVAREA VIII MSG 371/23 and this MSG 211300 UTC Apr 23.
<b>383. India East Coast - Bay of Bengal and Andaman Sea.</b> Charts IN 32 33 41 7706 INT 706. Rocket launch scheduled on 22 Apr 23 from 0830 to 1100 UTC. 2. Danger zone as follows Zone-1: Circle of 10Nm around 13-43.9N 080-14.2E Zone-2: 12-55N 082-05E, 13-35N 082-15E, 13-15N 083-15E, 12-40N 083-05E Zone-3: 12-05N 085-25E, 12-40N 085-35E, 12-15N 086-50E, 11-40N 086-40E Zone-4: 09-05N 094-50E, 09-55N 095-05E, 09-35N 096-00E, 08-45N 095-45E Zone-5: 15-30S 130-00W, 13-30S 130-00W, 12-00S 112-00W, 07-30S 091-00W, 09-30S 091-00W, 14-00S 112-00W 3. Wide berth from area advised. 4. Cancel this MSG 221200 UTC Apr 23.
<b>384. Cancel NAVAREA VIII MSG 348/23 and this MSG.</b>
<b>385. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7334. Ocean invincible will carry out marine route survey in areas bounded by (a) 18-58N 072-27.58E, 18-53.46N 072-23.97E, 18-53.29N 072-23.73E, 18-45.32N 071-58.07E (b) 18-45.32N 071-58.07E, 18-42.82N 071-52.13E, 18-41.69N 071-50.30E, 18-32.88N 071-27.88E (c) along 18-21.35N 070-53.79E, 18-15.60N 070-32.47E, 18-14.20N 070-26.06E, 18-12.76N 070-16.88E, 18-09.30N 068-20.41E from 21 Apr to 03 May 23. Wide berth requested. 2. Cancel this MSG 031830 UTC May 23.
<b>386. Lakshadweep Sea - off Male.</b> Charts IN 227 2599 7707 INT 707. Fully submerged shipwreck reported in approximate position 04-10.55N 073-29.02E.
<b>387. India East Coast - Chennai.</b> Charts IN 33 313 356 3001 INT 7400. Firing scheduled on 25 Apr 23 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 251030 UTC Apr 23.
<b>388. Andaman Sea.</b> Charts IN 41 473 7706 INT 706. Firing scheduled from 240030 to 271030 UTC Apr 23 in danger area bounded by 12-02.6N 093-21.7E, 07-59.5N 092-56.5E, 07-57.6N 094-10.7E, 12-01.8N 094-32.6E. Wide berth from area advised. 2. Cancel this MSG 271130 UTC Apr 23.
<b>389. India West Coast - off Kochi.</b> Charts IN 22 220 259 260 INT 752. Firing scheduled 24 and 25 Apr 23 from 0430 to 1130 UTC in danger area bounded within 09-42N TO 09-52N and 075-40E to 075-50E. Wide berth from area advised.

<b>389. Continued</b>
2. Cancel this MSG 251230 UTC Apr 23.
<b>390. India West Coast.</b> Charts IN 21 255 292 INT 7021. Rig move. GD Chitra (19-12.51N, 072-02.24E). Refer to 064(T) of INTM 06/23. Wide berth requested.
<b>391. India West Coast - off Daman.</b> Charts IN 21 210 255 292 INT 7334. Seismic survey being progressed by crest Argus 2, Voyager explorer, Trinidad-1 and Victoria-1 with node deployment vessel Stanford Buzzard, Stanford Hawk and Pinging vessel Mat Mercury, Raafi, Parasea two, Nand Sarathi and survey vessel Genesis in area bounded by 20-15.38N 071-44.47E, 20-15.31N 071-58.95E, 20-38.87N 072-27.96E, 20-54.83N 072-28.02E, 20-54.93N 071-44.48E. Wide berth of 05 Nm requested.
2. Cancel this MSG 071830 UTC May 23.
<b>392. NAVAREA VIII - Warnings in force as on 21 Apr 2023</b>
<b>2021 Series</b> - 286 340 478 658 759 833
<b>2022 Series</b> - 049 093 117 118 134 162 180 237 253 259 286 313 391 437 445 446 461 476 497 513 519 536 546 584 601 617 646 651 656 688 757 805 824 856 970 980 997 1011
<b>2023 Series</b> - 036 037 063 064 071 104 112 116 126 144 161 162 172 178 179 205 224 231 238 239 240 241 254 272 273 276 280 297 301 302 307 314 319 324 328 329 342 343 344 347 351 352 353 354 355 356 357 363 367 368 369 374 375 376 377 378 380 381 383 385 386 387 388 389 390 391
(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 281000 UTC Apr 23.
<b>393. India East Coast.</b> Charts IN 31 351 INT 7419. Balasore NAVTEX (21-29.18N 086-55.01E) transmitter off air.
<b>394. India West Coast - off Mumbai.</b> Charts IN 21 253 255 292 INT 7334. Acoms 11 will carry out pipeline survey in areas bounded by (a) 19-19.19N 070-45.15E, 19-18.58N 071-40.01E, 18-55.88N 071-39.67E, 18-55.92N 070-44.90E (b) 19-42.47N 070-45.40E, 19-41.77N 071-40.37E, 19-18.58N 071-40.01E, 19-19.19N 070-45.15E (c) 19-27.84N 071-45.34E, 19-27.53N 072-12.94E, 18-59.58N 072-20.18E, 19-00.14N 071-46.33E (d) 18-41.63N 072-09.35E, 18-36.97N 072-23.93E, 17-58.80N 072-23.19E, 17-59.05N 072-08.57E from 22 Apr to 21 May 23. Wide berth requested.
2. Cancel this MSG 211830 UTC May 23.
<b>395. Andaman Sea.</b> Charts IN 41 473 7706 INT 706. Firing scheduled from 260030 to 281030 UTC Apr 23 in danger area bounded by 12-10N 093-10E, 12-10N 094-14E, 07-57.6N 094-10.7E, 07-59.5N 092-56.5E. Wide berth from area advised.
2. Cancel this MSG 281130 UTC Apr 23.
<b>396. India East Coast - off Sagar I.</b> Charts IN 31 301 351 INT 7419. Firing by CG aircraft scheduled 27 Apr 23 from 0430 to 1030 UTC in danger area bounded within 20-37N TO 20-52N and 088-30E TO 089-00E. Wide berth from area advised.
2. Cancel this MSG 271130 UTC Apr 23.
<b>397. India West Coast - off Trivandrum.</b> Charts IN 22 222 260 261 INT 752. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 26 Apr 23 from 0530 TO 0700 UTC. Danger sector (a) Radius of 05 Nm between azimuth 190 and 300 (b) Radii of 45 Nm and 75 Nm between azimuth 220 and 260. Wide berth from area advised.
2. Cancel this MSG 260800 UTC Apr 23.
<b>398. Cancel NAVAREA VIII MSG 393/23 and this MSG.</b>
<b>399. India East Coast - off Nagappattinam.</b> Charts IN 32 357 INT 7397. Buoy reported adrift in approximate position 10-45.02N 080-22.25E. Mariners to keep sharp lookout.
2. Cancel this MSG 261000 UTC Apr 23.
<b>400. India West Coast - off Mumbai.</b> Charts IN 21 255 293 INT 7022. Responder progressing cable installation works in vicinity of 17-44.50N 070-55.55E, 17-43.01N 070-57.17E, 18-24.11N 071-41.63E, 18-40.80N 071-57.80E, 18-48.38N 072-10.18E, 18-50.93N 072-26.96E, 18-56.73N 072-35.14E, 18-58.03N 072-33.93E, 18-52.88N 072-24.83E, 18-52.41N 072-22.11E, 18-51.96N 072-14.71E, 18-50.14N 072-08.81E, 18-48.45N 072-07.11E, 18-41.35N 071-55.81E, 18-25.70N 071-39.73E. Wide berth requested.
2. Cancel this MSG 131830 UTC May 23.
<b>401. India West Coast - off Mumbai.</b> Charts IN 21 256 292 INT 7021. Normand Clipper progressing cable laying along 18-46.46N 072-09.50E, 18-42.99N 072-09.01E, 18-39.13N 072-08.41E, 18-36.32N 072-08.69E, 18-35.82N 072-09.10E, 17-51.96N 072-05.97E, 17-46.82N 072-05.46E. Wide berth requested.
2. Cancel this MSG 061830 UTC May 23.
<b>402. India West Coast - off Daman.</b> Charts IN 21 292 254 INT 7331. Pacific Grouse progressing survey in areas bounded by (a) 20-10.13N 071-34.96E, 20-09.98N 071-43.94E, 20-06.02N 071-43.96E, 20-06.07N 071-34.91E (b) 20-06.07N 071-34.91E, 20-05.99N 071-40.99E, 19-59.97N 071-41.04E, 20-00.02N 071-34.83E (c) 20-08.95N 071-18.90E, 20-10.66N 071-22.31E, 20-08.26N 071-23.92E, 20-06.56N 071-20.28E. Wide berth requested.
2. Cancel this MSG 301830 UTC May 23.

<b>403. Arabian Sea.</b> Charts IN 22 273 7706 INT 706. SW Thuridur Progressing Seismic Survey In Area Bounded By 11-23.28N 072-20.95E, 09-55.42N 072-52.20E, 10-17.20N 074-39.65E, 09-19.45N 075-31.87E, 08-52.73N 073-17.28E, 07-44.12N 073-41.65E, 07-40.93N 073-19.93E, 07-42.80N 073-04.23E, 11-15.98N 071-43.02E. Wide Berth Requested. 2. Cancel this MSG 031830 UTC May 23.
<b>404. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7334. LTB 300, AHT Shakti, AHT Maria 1 and Lanpan 27 progressing pipeline survey in vicinity of 19-22.45N 071-21.62E, 19-20.84N 071-21.94E, 18-34.98N 072-14.42E, 18-33.76N 072-17.63E, 19-20.06N 072-01.27E, 19-19.29N 072-00.48E, 19-20.98N 071-18.14E, 19-21.98N 071-15.46E. Wide berth requested. 2. Cancel this MSG 151830 UTC May 23.
<b>405. India West Coast - off Alappuzha.</b> Charts IN 22 221 260 INT 7362. Firing scheduled 28, 29 Apr 23 from 0430 to 1130 UTC in danger area bounded within 09-09.50N TO 09-19N and 075-52.50E TO 076-02.50E. Wide berth from area advised. 2. Cancel this MSG 291230 UTC Apr 23.
<b>406. India East Coast - off Chennai.</b> Charts IN 32 313 356 391 INT 7400. Firing by CG aircraft scheduled on 28 Apr 23 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 281230 UTC Apr 23.
<b>407. Andaman Sea - off Cinque I.</b> Charts IN 405 473 4030 INT 7440. Firing scheduled from 290230 to 291030 UTC Apr 23 in danger area bounded by 11-15N 092-31E, 11-14N 092-46E, 11-10N 092-46E, 11-07N 092-32E. Wide berth from area advised. 2. Cancel this MSG 291130 UTC Apr 23.
<b>408. Andaman Sea.</b> Charts IN 33 41 7706 INT 706. Eagle explorer will carry out seismic survey from 27 to 30 Apr 23 in vicinity of 15-37.06N 090-15.58E, 14-57.78N 089-46.11E, 14-14.11N 089-29.08E, 12-44.57N 089-01.71E, 12-36.56N 089-22.4E, 12-36.56N 091-05.45E, 11-34.28N 091-05.45E, 11-34.28N 092-19.26E, 12-36.56N 092-19.26E, 13-20.75N 092-48.89E, 13-36.08N 092-56.16E, 13-36.08N 094-04.93E, 13-45.63N 094-04.93E, 13-52.61N 093-12.07E, 14-47.79N 091-47.72E, 15-33.12N 090-36.22E. Tow length 10km. Wide berth requested. 2. Cancel this MSG 301830 UTC Apr 23.
<b>409. India East Coast - off Kakinada.</b> Charts IN 31 355 INT 7405. North Ocean 102 progressing survey in area bounded by 16-23.79N 082-17.28E, 16-23.76N 082-21.20E, 16-20.70N 082-21.18E, 16-20.72N 082-17.26E. Wide berth requested. 2. Cancel this MSG 201830 UTC May 23.
<b>410. India West Coast.</b> Charts IN 21 255 292 INT 7021. Rig move. Parameswara (19-30.97N, 071-21.32E). Refer to 064(T) of INTM 06/23. Wide berth requested.
<b>411. Bay of Bengal - off Balasore.</b> Charts IN 31 7706 INT 706. Experimental flight trials scheduled 30 Apr 23 from 0230 to 0630 UTC and 01 May 23 from 0230 to 0430 UTC and 0830 to 1030 UTC in danger area bounded by 20-49.37N 087-01.68E, 19-09.40N 086-07.13E, 13-59.67N 086-36.32E, 14-10.33N 088-45.93E, 19-20.35N 088-20.17E, 20-49.90N 087-08.12E. Wide berth from area advised. 2. Cancel this MSG 011130 UTC May 23.
<b>412. India East Coast.</b> Charts IN 31 32 355 INT 7405. Rig move. DDKG 1 (16-31.75N 082-35.93E). Refer to 058(T) of INTM 05/23. Wide berth requested.
<b>413. India East Coast - off Visakhapatnam.</b> Charts IN 31 354 INT 7408. Subsurface firing scheduled from 290600 to 291300 UTC Apr 23 in danger area bounded by 17-10.8N 083-07.3E, 17-37.5N 083-37.1E, 17-10.3N 084-05.9E, 16-44N 083-36.8E. Wide berth from area advised. 2. Cancel this MSG 291400 UTC Apr 23.
<b>414. Indian Ocean - off Maldives.</b> Charts IN 7706 7707 INT 707. IFB Lourdumatha reported adrift in approximate position 03-20.3N 074-14.76E at 261552 UTC Apr 23. Crew rescued. 2. Cancel this MSG 291552 UTC Apr 23.
<b>415. Andaman Sea - off Barren I.</b> Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled on 01 May 23 from 0745 to 0945 UTC in danger area bounded within 11-50N TO 12-00N and 093-40E to 094-10E. Wide berth from area advised. 2. Cancel this MSG 011045 UTC May 23.
<b>416. India West Coast - Kochi.</b> Charts IN 22 220 259 2004 2029 INT 7356. Firing scheduled (a) 01, 08, 15, 22, 29 May 23 from 0900 to 1200 UTC and (b) 05, 12, 19, 26 May 23 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 May 23.
<b>417. India West Coast - off Mormugao.</b> Charts IN 22 215 257 INT 7343. Subsurface firing scheduled from 010030 UTC to 051830 UTC May 23 in danger area bounded within 15-15.25N 073-38.8E, 15-18.8N 073-43.8E, 15-11.5N 073-49.5E, 15-08.2N 073-44.4E. Wide berth from area advised. 2. Cancel this MSG 051930 UTC May 23.
<b>418. Indian Ocean - off Maldives.</b> Charts IN 7706 7707 INT 707. Unmanned boat lourdumatha reported adrift in

**418. Continued.**

approximate position 03-24.86N 074-20.97E at 272205 UTC Apr 23.

2. Cancel NAVAREA VIII MSG 414/23 and this MSG 302205 UTC Apr 23.

**419. India West Coast - off Mumbai.** Charts IN 21 255 292 INT 7021. DSV Wilchief-1 progressing structural work of ONGC platforms in vicinity of 18-59N 071-43E, 18-59N 072-00E, 18-55N 072-00E, 18-55N 072-10E, 19-08N 072-10E, 19-08N 072-23E, 18-58N 072-23E, 18-58N 072-16E, 18-54N 072-16E, 18-42N 072-08E, 18-42N 071-53E, 18-52N 071-44E, 18-55N 071-44E. Wide berth requested.

2. Cancel NAVAREA VIII 352/23 and this MSG 021830 UTC May 23.

**420. Cancel NAVAREA VIII 036/23 and this MSG.****421. NAVAREA VIII - Warnings in force as on 28 Apr 2023**

**2021 Series** - 286 340 478 658 759 833

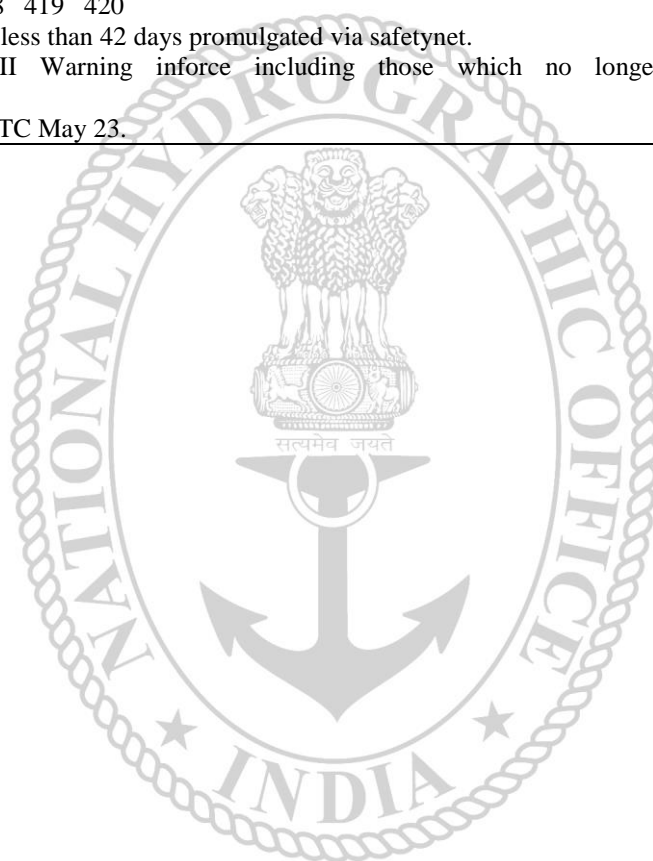
**2022 Series** - 049 093 117 118 134 162 180 237 253 259 286 313 391 437 445 446 461 476 497 513  
519 536 546 584 601 617 646 651 656 688 757 805 824 856 970 980 997 1011

**2023 Series** - 036 037 063 064 071 104 112 116 126 144 161 162 172 178 179 205 224 231 238 239  
240 241 254 272 273 276 280 297 301 307 319 324 328 329 343 344 347 353 355 356 357 363  
368 369 374 375 377 378 381 385 386 390 391 394 400 401 402 403 404 405 407 408 409 410  
411 412 413 415 416 417 418 419 420

(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](http://www.hydrobharat.gov.in)

2. Cancel this MSG 051000 UTC May 23.



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

NIL

## SECTION – VII

### CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteri stics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
<b>D6769-5</b>	WASIN ISLAND - Wasin Island. Rear	04 39-78 S 39 23-28 E	Fl W 5s	15	..	Metal framework 15	..
*	*	*	*	*	*	*	*
<b>D6769-6</b>	- - Front	04 39-71 S 39 23-40 E	Q W 2s	10	..	Metal framework 10	..
*	*	*	*	*	*	*	*
<b>D7363-3733</b>	ABU ZABI - Saadiyat. Marina	24 32-86 N 54 27-40 E	Fl(4)Y 10s	..	3	Yellow beacon	..
*	*	*	*	*	*	*	*
<b>D7363-3734</b>	- - -	24 32-83 N 54 27-41 E	Fl(4)Y 10s	..	3	Yellow beacon	..
*	*	*	*	*	*	*	*
<b>D7363-3735</b>	- - -	24 32-87 N 54 27-37 E	Fl(4)Y 10s	..	3	Yellow beacon	..
*	*	*	*	*	*	*	*
<b>D7363-3736</b>	- - -	24 32-81 N 54 27-41 E	Fl(4)Y 10s	..	3	..	..
*	*	*	*	*	*	*	*
<b>D7363-3737</b>	- Rabadan. Marina	24 25-20 N 54 29-21 E	Fl(4)Y 10s	..	3	Yellow beacon	..
*	*	*	*	*	*	*	*
<b>D7709-4</b>	PORT OF BANDAR ABBAS - Ldg Lts 000°. Front	27 09-35 N 56 12-26 E	Iso W 4s	15	12	Red, white and blue metal framework tower 10	..
					*		
<b>D7709-41</b>	- - Rear. 500m from front	27 09-63 N 56 12-26 E	Iso W 4s	30	12	Red, white and blue metal framework tower 15	..
					*		
<b>D7725</b>	GWATAR BAY Remove from list; deleted						
<b>F1721</b>	SINGAPORE PORT. SISTERS FAIRWAY - Terumbu Selegi	01 13-58 N 103 49-59 E	Fl R 2-5s	6	R 8 R 5	Red round tower on red base	Dual intensity, alternates between 8M and 5M
	- -	..	AIS	..	..	..	MMSI No 005631141
					*		*

## **SECTION – VIII**



### **CORRECTION TO LIST OF RADIO SIGNALS**

**INP 31(1), 2019**

(Last correction: Edition No. 23 dated 01 Dec 2022)

**Page 06, DJIBOUTI, below MARITIME TELEMEDICAL ASSISTANCE SERVICE (TMAS)**

*Insert:*



<b>CCCOM (Maritime Operations coordination and Control Centre) (480)</b>			<b>11°36'.08N 43°08'.20E</b>
MMSI 006215000	DSC VHF		
 +253 21355721	 +253 21353076		
Call: Alfa Romeo	e-mail: djnavy.opsoff@gmail.com		

**VHF**

		Ch 16	H24
--	--	-------	-----

**Page 06, DJIBOUTI, below DJIBOUTI (J2A).**

*Insert:*

<b>DJIBOUTI COAST GUARD</b>			<b>11°36'.05N 43°08'.26E</b>
 +253 1500 +253 21358033	 +253 21341908		

**VHF**

		Ch 16 73 77	
--	--	-------------	--

**Page 06, DJIBOUTI, below DJIBOUTI COAST GUARD**

*Insert:*

<b>MASKALI SIGNAL STATION (482)</b>			<b>11°42'.80N 43°08'.96E</b>
MMSI 006217000	DSC VHF		
OPERATIONAL AREA: Maritime approaches, coastal zone and ports: Djiboutian National navy: surveillance of maritime approaches and the coastal zone (semaphoric chain): Gulf of Tadjourah and port areas.			

**VHF**

		Ch 16	H24
--	--	-------	-----

**Page 06, DJIBOUTI, below MASKALI SIGNAL STATION (482)**

*Insert:*

<b>MOULHOLEH SIGNAL STATION (484)</b>			<b>12°35'.00N 43°12'.00E</b>
MMSI 006217002	DSC VHF		
OPERATIONAL AREA: Maritime approaches, coastal zone and ports: Djiboutian National navy: surveillance of maritime approaches and the coastal zone (semaphoric chain): Gulf of Tadjourah and port areas.			

**VHF**

		Ch 16	H24
--	--	-------	-----

**Page 06, DJIBOUTI, below MOULHOLEH SIGNAL STATION (484)**

*Insert:*

<b>RAS-BIR SIGNAL STATION (481)</b>			<b>11°58'.80N 43°21'.73E</b>
MMSI 006217001	DSC VHF		
OPERATIONAL AREA: Maritime approaches, coastal zone and ports: Djiboutian National navy: surveillance of maritime approaches and the coastal zone (semaphoric chain): Gulf of Tadjourah and port areas.			

**VHF**

		Ch 16	H24
--	--	-------	-----



**INP 31(2), 2019**

*(Last correction: Edition No. 07 dated 01 Apr 2023)*

NIL

**INP 31(5), 2017**

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

NIL

**INP 31(6), 2018**

*(Last correction: Edition No. 07 dated 01 Apr 2023)*

**PAGES 220, UNITED ARAB EMIRATES, MUSAFFAH.**

**Pilots, PROCEDURE, section 5,**

*Delete entry and replace by:*

(5) **Pilot boards** in the following positions:

(a) Musaffah Channel: 24°30'·10N 54°17'·90E

(b) New Musaffah Channel: 24°34'·30N 54°14'·00E

(c) Vessels with a draught of less than 5m: 24°26'·80N 54°14'·00E

**PAGES 220, UNITED ARAB EMIRATES, MUSAFFAH.**

**Vessel Traffic Service, below REPORTING - MUSAFFAH CHANNEL section.**

*Insert new sections:*

**REPORTING - MUSAFFAH CHANNEL CAUSEWAY:**

(1) Musaffah Port VTS regulates the opening and closing of the Causeway (24°22'·00N 54°27'·71E) through the nominated operator.

(2) While a schedule is defined to be once every 7 days and for a period of 4h, 2h for Northbound and 2h for Southbound traffic. The overall opening time may be less than 4h depending on the traffic density.

(3) The causeway opening period will be scheduled between 0600 and 1000 LT. In extraordinary cases or unusual circumstances this time may be changed based on Mr discretion.

(4) Vessel's agents or operators shall provide the VTS 1 week notice for vessels intending to transit Northbound or Southbound through the causeway.

(5) Vessels shall provide a firm ETA at the causeway not less than 3h in advance, followed by 1h notice.

(6) Should conditions change, the VTS is to be immediately advised and the following information is to be provided.

(a) Type of vessel

(b) Direction of transit (Northbound or Southbound)

(c) ETA at the causeway

(7) Early and clear communications between the vessel and VTS must be established and maintained until the vessel has cleared the causeway.

(8) Vessels must follow instructions given by the VTS and wait for permission before proceeding through the causeway.

(9) Vessels transiting the causeway should maintain a listening watch on VHF Chs 14 and 16.

**REPORTING - HUDAYRIAT BRIDGE:**

(1) Vessel's must obtain permission from Musaffah VTS before passing under Hudayriat bridge (24°25'·58N 54°22'·06E). The vessel's Master must confirm that the appropriate air draught limitations are met.

(2) Vessel's Master/agent must declare in writing the vessel's air draught to Musaffah VTS 24h prior to arrival.

## **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.

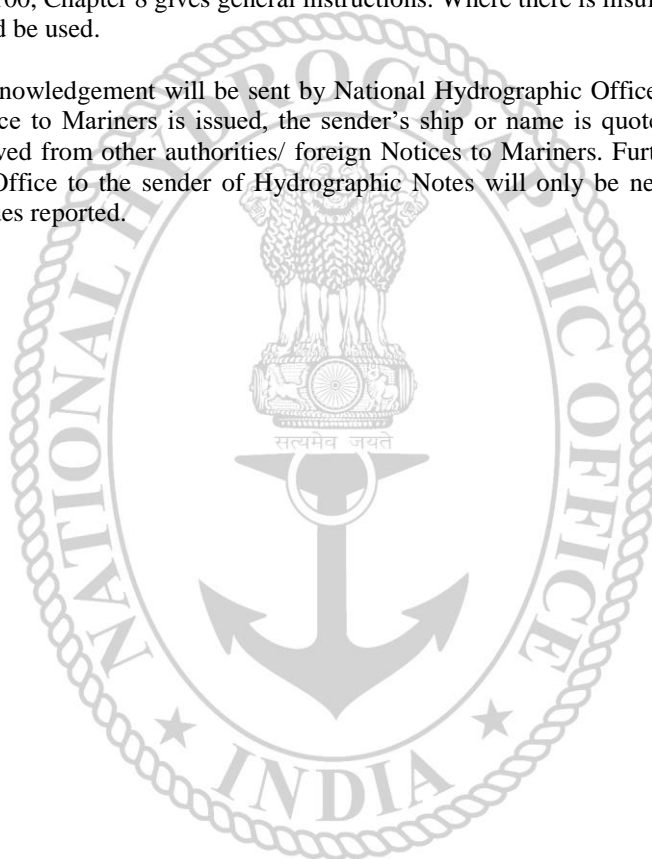
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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



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			
<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	

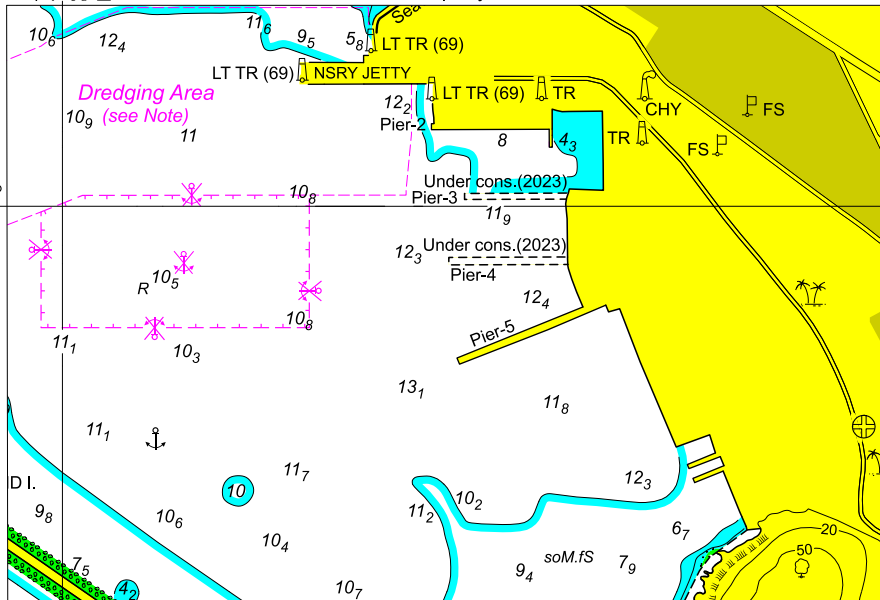
<b>14. RESCUE &amp; DISTRESS</b>	
Salvage, Lifeboat, Life guards, etc	
<b>15. SUPPLIES</b>	
Fuel (Type, Quantities & Method of delivery)	
Fresh water (Method of delivery and Rate of supply)	
Provisions	
Chart agents	
<b>16. COMMUNICATIONS</b>	
Road, Rail and Air services available	
Nearest airport or 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>	





74°08'E

To accompany Indian Notices to Mariners No. 091/2023

14°  
46'

Block correction for chart No.2008



**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**