

# INDIAN NOTICES TO MARINERS



EDITION NO. 08 DATED 16 APR 2024

(CONTAINS NOTICES 063 TO 068)

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

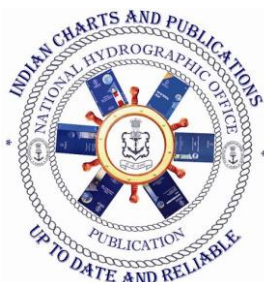
[www.hydrobharat.gov.in](http://www.hydrobharat.gov.in)

## 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. Sl 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 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>
2052	31-03-2024	<b>CHHARA PORT</b> 20° 39'.25N; 70° 40'.60E. 20° 45'.50N; 70° 49'.80E.	25,000	2	Rs. 2000.00

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>
<i>Nil</i>					

3. The Indian Charts that are permanently withdrawn are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart/ Edition</i>	<i>Date of Publication</i>
<i>Nil</i>				

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52052A	2052	CHHARA PORT	12-04-2024

5. The new edition Indian Electronic Navigational Charts 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>
IN52552W	2552	APPROACHES TO MAHE ISLAND	12-04-2024

6. The Indian Electronic Navigational Charts that is permanently withdrawn is as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52552W	2552	APPROACHES TO MAHE ISLAND	10-01-2024

7. The forthcoming Indian Charts are as follows:-

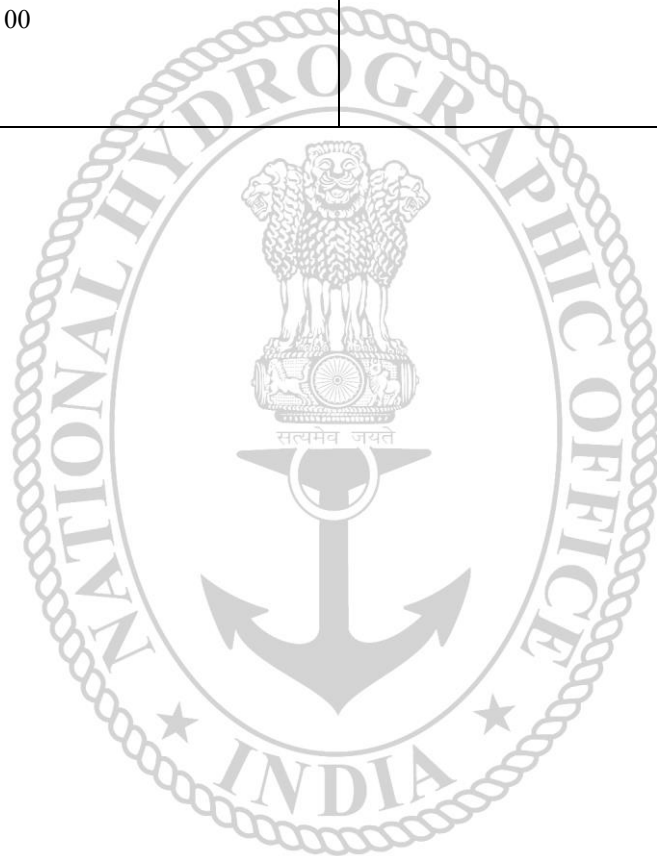
<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2083 (INT 7339)	APPROACHES TO SIKKA	37500	NEW CHART
262 (INT 7365)	CAPE COMORIN TO PAMBA	3,00000	NEW EDITION
291	GWADAR TO DWARKA	7,50,000	NEW EDITION
404 (INT 7439)	ELPHINSTONE HARBOUR TO PORT BLAIR	1,50,000	NEW EDITION

## VI

### Availability of ENC's

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's through the 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 063 to 068 contained in this edition is as follows:-

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	066 (T), 068 (T)
22 (INT 752)	3	066 (T)
31 (INT 756)	5	067 (T), 068 (T)
32 (INT 754)	5	067 (T), 068 (T)
33 (INT 755)	5	067 (T), 068 (T)
41 (INT 757)	6	067 (T), 068 (T)
206	2	065
268 (INT 7353)	4	066 (T)
273	4	066 (T)
291	2	068 (T)
292 (INT 7021)	2	066 (T)
293 (INT 7022)	3	066 (T)
294 (INT 7023)	4	066 (T)
295 (INT 7024)	4	066 (T)
313	5	067 (T)
315	5	068 (T)
316	5	068 (T)
356 (INT 7400)	5	067 (T)
357 (INT 7397)	5	067 (T)
358 (INT 7394)	5	068 (T)
391	5	067 (T)
404 (INT 7439)	6	067 (T)
405 (INT 7440)	6	067 (T)
472 (INT 7032)	6	067 (T)
473 (INT 7031)	6	067 (T)
2047	4	066 (T)
2055	2	063
2081 (INT 7342)	2	065
2514 (INT 7739)	1	064
3001 (INT 7402)	5	067 (T)
3004 (INT 7403)	5	067 (T)
4115	6	067 (T)
7070 (INT 70)	1	066 (T), 068 (T)
7071 (INT 71)	1	066 (T), 067 (T), 068 (T)
7072 (INT 71)	1	066 (T), 068 (T)
7073 (INT 71)	1	066 (T), 067 (T), 068 (T)
7508 (INT 508)	1	068 (T)
7701 (INT 701)	1	068 (T)
7702 (INT 702)	1	066 (T), 068 (T)
7703 (INT 703)	1	066 (T), 068 (T)
7705 (INT 705)	1	066 (T), 068 (T)
7706 (INT 706)	1	066 (T), 067 (T), 068 (T)
7707 (INT 707)	1	066 (T), 067 (T), 068 (T)
7708 (INT 708)	1	068 (T)

**SECTION – II****PERMANENT NOTICES****\*063 (08/24) INDIA WEST COAST – Muldwarka Port – Buoys.**

Source: Simar Port Pvt Ltd.

Chart 2055 [previous update 032/24]

Insert



20° 43′·08N., 070° 40′·65E.

**\*064 (08/24) INDIA OCEAN – Mauritius– Racon, Legend.**

Source: Mauritius Hydrographic Service.

Chart 2514 (INT 7739) (Approaches to Port Louis) [previous update 171/21]

Delete



20° 08′·25S., 057° 28′·90E.

Chart 2514 (INT 7739) (Port Louis) [previous update 171/21]

Delete



20° 08′·25S., 057° 28′·90E.

legend, “ Racon(T) ”, centered on;

20° 08′·22S., 057° 28′·95E.

<b>*065 (08/24) Miscellaneous updates to charts.</b>		
Source: NHO, Dehradun.		
Chart No.	Previous Updates	Details
<b>2081 (INT 7342)</b>	069/22	Insert Chart No. 2052 and Magenta limit as follows: 20° 39′·25N., 070° 47′·05E. 20° 45′·50N., 070° 49′·80E. 20° 45′·50N., 070° 47′·05E. 20° 39′·25N., 070° 49′·80E. 20° 39′·25N., 070° 47′·05E.
<b>206</b>	054/24	Insert Chart No. 2052 and Magenta limit as follows: 20° 39′·25N., 070° 40′·60E. 20° 45′·50N., 070° 49′·80E. 20° 45′·50N., 070° 40′·60E. 20° 39′·25N., 070° 49′·80E. 20° 39′·25N., 070° 40′·60E.



**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>*066 (T) (08/24)</b>	<b>INDIA – WEST COAST – Arabian Sea – Data Buoys and Tsunami Buoys.</b>
Source: NIOT, Chennai.	
1. Following yellow color data buoys characteristics FL(4)15s4M, 3m diameter and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:-	
<b>Buoy No./Name</b>	<b>Position</b>
<b>AD06/OB</b>	<b>18° 01'·60N., 067° 44'·17E</b>
<b>AD07/OB</b>	<b>14° 55'·17N., 068° 58'·62E</b>
AD08/OB	12° 03'·87N., 068° 37'·33E
AD09/OB	08° 06'·67N., 073° 16'·78E
AD10/OB	10° 18'·97N., 072° 36'·10E
CALVAL/MB	10° 34'·45N., 072° 16'·28E
CB02/CB	10° 52'·43N., 072° 12'·60E
S1IRZ/MB	13° 32'·93S., 075° 37'·63E
STBO2/TB	20° 45'·60N., 065° 16'·80E
TB12/TB	19° 55'·63N., 066° 59'·63E
2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.	
3. All positions are in WGS 84 datum.	
<b>Charts Affected – 21 – 22 (INT 752) – 268 (INT 7353) – 273 – 292 (INT 7021) – 293 (INT 7022) – 294 (INT 7023) – 295 (INT 7024) – 2047 – 7070 (INT 70) – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7702 (INT 702) – 7703 (INT 703) – 7705 (INT 705) – 7706 (INT 706) – 7707 (INT 707).</b>	
<b>Former INTM 190 (T)/23 is cancelled.</b>	

<b>*067 (T) (08/24)</b>	<b>INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys and Tsunami Buoys.</b>
Source: NIOT, Chennai.	
1. Following yellow color data buoys characteristics FI(4)15s4M, 3m diameter and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:-	
<b>Buoy No./Name</b>	<b>Position</b>
<b>BD08/OB</b>	<b>17° 49'·18N., 089° 11'·08E</b>
<b>BD09/OB</b>	<b>17° 27'·90N., 089° 08'·12E</b>
<b>BD10/OB</b>	<b>16° 19'·28N., 087° 59'·48E</b>
<b>BD11/OB</b>	<b>13° 29'·30N., 084° 08'·23E</b>
BD12/OB	10° 27'·88N., 094° 07'·23E
<b>BD13/OB</b>	<b>14° 00'·22N., 087° 00'·38E</b>
<b>BD14/OB</b>	<b>06° 35'·33N., 088° 21'·40E</b>
CB01/CB	11° 35'·33N., 092° 35'·77E
CB06/CB	13° 05'·58N., 080° 18'·45E
<b>TB05/TB</b>	<b>10° 10'·98N., 088° 29'·88E</b>
TB06/TB	14° 41'·77N., 089° 33'·17E
<b>TB09/TB</b>	<b>16° 45'·63N., 089° 54'·85E</b>
STB01/TB	06° 15'·00N., 088° 52'·80E
2. <b>All Highlighted Buoys reflects changes in position of respective buoys from previous Notice.</b>	
3. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.	
4. All positions are in WGS 84 datum.	
<b>Charts Affected – 31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 41 (INT 757) – 313 – 356 (INT 7400) – 357 (INT 7397) – 391 – 404 (INT 7439) – 405 (INT 7440) – 472 (INT 7032) – 473 (INT 7031) – 3001 (INT 7402) – 3004 (INT 7403) – 4115 – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706) – 7707 (INT 707).</b>	
<b>Former INTM 057 (T)/24 is cancelled.</b>	

**\*068 (T) (08/24) INDIAN OCEAN - NORTHERN PART - RAMA Buoys.**

Source: NOAA.

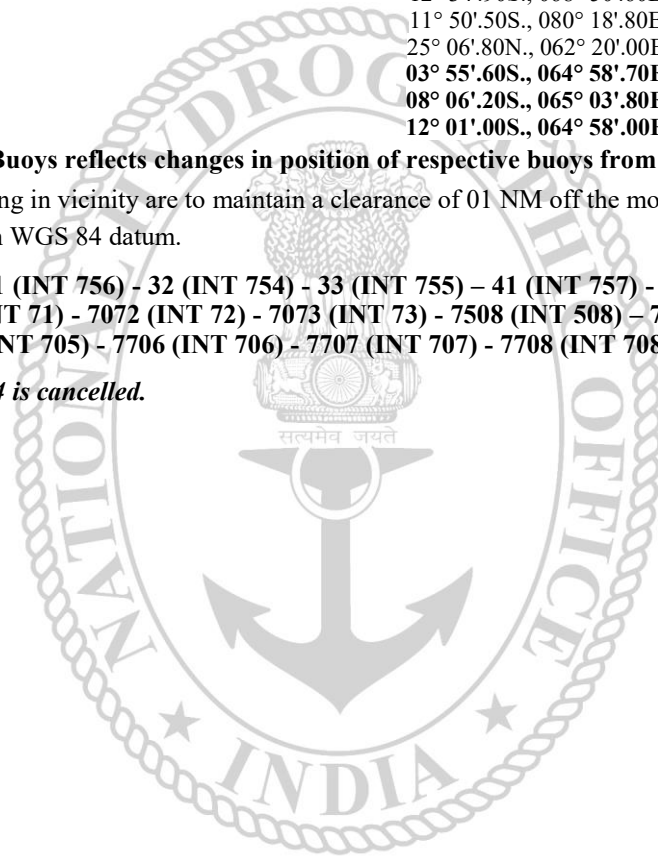
1. The research moored array of African - Asian - Australian Monsoon analysis and prediction (RAMA) buoys laid in following positions:-

<b>Buoy No./Name</b>	<b>Position</b>
RA185A	15° 01'.70N., 089° 02'.50E
RA184A	00° 00'.00N., 089° 57'.60E
RA176A	00° 59'.00S., 100° 22'.90E
RA175A	01° 32'.90S., 080° 34'.00E
RA183A	09° 24'.40N., 097° 50'.30E
<b>RA182A</b>	<b>02° 16'.00N., 072° 55'.90E</b>
RA181A	08° 07'.70S., 110° 32'.90E
<b>RA180A</b>	<b>00° 40'.00S., 073° 07'.40E</b>
<b>RA179A</b>	<b>11° 18'.00S., 058° 34'.30E</b>
<b>RA177A</b>	<b>05° 38'.30S., 059° 26'.60E</b>
<b>RA178A</b>	<b>09° 24'.90S., 051° 07'.30E</b>
RT033	09° 46'.60N., 080° 16'.60E
RT030	00° 47'.80S., 083° 06'.70E
RT029	12° 34'.90S., 068° 50'.60E
RT028	11° 50'.50S., 080° 18'.80E
RT032	25° 06'.80N., 062° 20'.00E
<b>RT040</b>	<b>03° 55'.60S., 064° 58'.70E</b>
<b>RT039</b>	<b>08° 06'.20S., 065° 03'.80E</b>
<b>RT038</b>	<b>12° 01'.00S., 064° 58'.00E</b>

2. **All Highlighted Buoys reflects changes in position of respective buoys from previous Notice.**
3. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.
4. All positions are in WGS 84 datum.

**Charts Affected - 21 - 31 (INT 756) - 32 (INT 754) - 33 (INT 755) - 41 (INT 757) - 291 - 315 - 316- 358 (INT 7394) - 7070 (INT 70) - 7071 (INT 71) - 7072 (INT 72) - 7073 (INT 73) - 7508 (INT 508) - 7701 (INT 701) - 7702 (INT 702) - 7703 (INT 703) - 7705 (INT 705) - 7706 (INT 706) - 7707 (INT 707) - 7708 (INT 708).**

**Former INTM 049 (T)/24 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:-

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

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

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

#### 3. DISPLAY ANOMALIES IN ECDIS

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

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

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

## 7. **CAUTIONARY NOTE**

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

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

- (a) All vessels navigating in Indian waters are cautioned to keep a sharp look-out for fishing vessels and small crafts, as there have been several incidents of collisions with such vessels in the past resulting in loss of innocent lives as well as damage to property.
- (b) It is further cautioned that all vessels need to exercise extreme care while navigating during hours of darkness as such vessels are generally of primitive built (wood/fibre/etc) due to which it may not be detected on ship's radar, especially during adverse weather conditions. Also, such vessels may not be properly lit, or sometimes, only one vessel may be lit among multiple vessels in a cluster.
- (c) The general areas of concern on the west coast of India are the areas of convergence and divergence of traffic, mainly between Mangalore to Kanyakumari (Cape Comorin). Further, in these areas, additional caution needs to be exercised and wide berth be given to all such vessels.
- (d) All fishing vessels are also cautioned to avoid fishing in areas having high density traffic. All fishing vessels are also required to always maintain proper lookout by sight, hearing and by all available means and comply with all applicable provisions of Collision Regulations.

**List of Indian Chart Agents**

<p><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, Biryia 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. 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 16 Apr 24: -

<b>2022 SERIES</b> - 134 162 237 461 519
<b>2023 SERIES</b> - 116 161 178 240 386 455 456 484 574 604 622 655 675 703 733 741 748 750 929 1046 1057
<b>2024 SERIES</b> - 036 066 120 123 132 142 159 160 175 180 181 188 189 194 215 253 254 259 262 281 282 288 291 296 297 298 316 317 321 325 328 329 333 338 342 343 348 354 359 360 365 366 367 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386

4. NAVAREA VIII Warnings issued during the period from 01 Apr 24 to 15 Apr 24 (both dates inclusive) are as tabulated below: –

<b>335. INDIA EAST COAST - off Visakhapatnam.</b> Charts IN 31 32 7706 INT 706. Firing scheduled from 040001 to 091300 UTC Apr 24 in danger area bounded by 12-55.40N 085-00.10E, 13-33.30N 081-17.20E, 16-27.60N 083-56.20E, 14-21.60N 086-14.10E. Wide berth from area advised. 2. Cancel this MSG 091400 UTC Apr 24.
<b>336. Bay of Bengal.</b> Charts IN 31 7706 INT 706. Experimental flight trials scheduled 03 and 04 Apr 24 from 1230 to 1530 UTC in danger area bounded by 20-48.37N 087-02.58E, 18-14.72N 085-34.55E, 05-26.65N 085-46.02E, 05-52.58N 091-01.05E, 18-31.82N 089-02.15E, 20-48.77N 087-07.40E. Wide berth from area advised. 2. Cancel this MSG 041630 UTC Apr 24
<b>337. India West Coast - off Mormugao.</b> Charts IN 22 214 293 INT 7022. Subsurface firing scheduled from 031430 to 031830 UTC and 040030 to 040330 UTC Apr 24 in danger area bounded by 15-10N 072-48E, 15-20N 072-44E, 15-20N 072-54E, 15-10N 072-58E. Wide berth from area advised. 2. Cancel this MSG 040430 UTC Apr 24.
<b>338. India West Coast - off Karwar.</b> Charts IN 22 215 257 INT 7343. Auv survey will be carried out from 02 to 18 Apr 24 in area bounded within 14-42N to 14-47N and 073-46E to 073-51E. Wide berth requested. 2. Cancel this MSG 181830 UTC Apr 24.
<b>339. Southern Indian Ocean.</b> Charts IN 7070 7073 INT 73. Space debris predicted from 05 to 11 Apr 24 between 0541 UTC and 1241 UTC in area bounded by 08-53S 092-28E, 07-46S 089-27E, 30-12S 061-09E, 40-45S 002-21W, 42-56S 002-24W, 32-16S 063-10E. Wide berth from area advised. 2. Cancel NAVAREA VIII MSG 326/24 and this MSG 111341 UTC Apr 24.
<b>340. India East Coast - off Chennai.</b> Charts IN 32 313 356 INT 7400. Firing by CG aircraft scheduled from 050130 to 051130 UTC Apr 24 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 051230 UTC Apr 24.
<b>341. Cancel NAVAREA VIII MSG 246/24, 258/24, 289/24, 305/24 and this MSG. INTM 060(T) 07/24 refers.</b>
<b>342. Andaman Sea - off Little Andaman.</b> Charts IN 41 472 473 INT 7031. Hydrographic Survey will be carried out from 05 to 15 Apr 24 in area bounded within 10-35N to 10-42N and 092-48E to 093-05E. Wide berth requested. 2. Cancel this MSG 151830 UTC Apr 24.
<b>343. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig move. Gd chaaru (19-11.05N 072-11.21E), Admarine 9 (19-23.99N 071-15.33E), Vivekanand II (19-22.11N 071-25.96E), Sagar kiran (19-27.80N 071-48.45E), Aban III (18-44.08N 071-18.47E), Sagar bhushan (19-01.52N 071-10.87E). INTM 07/24, 060(T) refers. Wide berth requested.
<b>344. India East Coast – Sriharikota.</b> Charts IN 32 313 356 INT 7400. Rocket launch scheduled from 052330 to 060330 UTC Apr 24. Danger zone is circle of 10 nm around launch pad (13-38.3N 080-14.2E). Wide berth from area advised. 2. Cancel this MSG 060430 UTC Apr 24.
<b>345. India East Coast - off Sagar I.</b> Charts IN 31 301 351 INT 7419. Firing by CG aircraft scheduled on 08 Apr 24 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 081130 UTC Apr 24.

<p><b>346. Bay of Bengal - off Balasore.</b> Charts IN 31 351 INT 7419. IAF exercise scheduled 08, 09, 10 and 12 Apr 24 from 0400 to 0600 UTC and 0900 to 1100 UTC in danger area bounded by (a) 21-41N 087-44E (b) 21-08.73N 088-52E (c) 20-14N 087-44E (d) 20-58N 086-54E (e) 21-09.98N 086-49.9E (f) 21-28N 087-02E. Wide berth from area advised. 2. Cancel this MSG 121200 UTC Apr 24.</p>
<p><b>347. NAVAREA VIII - Warnings in force as on 05 Apr 2024.</b> <b>2022 Series</b> - 134 162 237 461 519 <b>2023 Series</b> - 116 161 178 240 386 455 456 484 574 604 622 655 675 703 733 741 748 750 929 1046 1057 <b>2024 Series</b> - 032 036 044 052 066 120 123 131 132 142 144 159 160 175 180 181 188 189 194 215 253 254 259 261 262 281 282 288 291 296 297 298 306 311 316 317 321 325 327 328 329 330 333 335 338 339 342 343 344 345 346 347 (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 121830 UTC Apr 24.</p>
<p><b>348. India East Coast - off Kakinada.</b> Charts IN 31 355 INT 7405. Fugro equator progressing survey at various locations in area bounded within 16-03N to 16-38N and 082-29E to 082-48E. Wide berth requested. 2. Cancel this MSG 151830 UTC May 24.</p>
<p><b>349. Andaman Sea - off Port Blair.</b> Charts IN 41 473 4016 INT 7031. Firing scheduled 06 and 10 Apr 24 from 1000 to 1130 UTC in danger area bounded by 11-37.1N 092-45.22E, 11-34.36N 092-53.13E, 11-30.97N 092-50.5E, 11-35.45N 092-44.45E. Wide berth from area advised. 2. Cancel this MSG 101230 UTC Apr 24.</p>
<p><b>350. India East Coast – Sriharikota.</b> Charts IN 32 313 356 INT 7400. Rocket launch scheduled from 062330 to 070330 UTC Apr 24. Danger zone is circle of 10 nm around launch pad (13-38.3N 080-14.2E). Wide berth from area advised. 2. Cancel this MSG 070430 UTC Apr 24.</p>
<p><b>351. Andaman Sea - off Barren I.</b> Charts IN 41 473 7706 INT 7031. Firing by aircraft scheduled from 100830 to 101030 UTC Apr 24 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 101130 UTC Apr 24.</p>
<p><b>352. India West Coast - off Daman.</b> Charts IN 21 254 292 INT 7331. Firing by CG aircraft scheduled from 100230 to 101130 UTC Apr 24 in danger area bounded within 20-26N to 20-40N and 072-27E to 072-40E. Wide berth from area advised. 2. Cancel this MSG 101230 UTC Apr 24.</p>
<p><b>353. India West Coast – Okha.</b> Charts IN 21 203 292 INT 7021. Firing scheduled from 110530 to 110730 UTC Apr 24 in danger area bounded by 22-39.40N 069-09.32E, 22-28.45N 069-17.00E, 22-28.45N 068-51.05E, 22-35.39N 068-53.25E. Wide berth from area advised. 2. Cancel this MSG 110830 UTC Apr 24.</p>
<p><b>354. Southern Indian Ocean.</b> Charts IN 7070 7073 INT 73. Space debris predicted from 10 to 16 Apr 24 between 0558 UTC and 1027 UTC in area bounded by 08-53S 092-28E, 07-46S 089-27E, 30-12S 061-09E, 40-45S 002-21W, 42-56S 002-24W, 32-16S 063-10E. Wide berth from area advised. 2. Cancel NAVAREA VIII MSG 339/24 and this MSG 161127 UTC Apr 24.</p>
<p><b>355. India East Coast – Visakhapatnam.</b> Charts IN 31 354 391 3002 INT 7408. Firing scheduled from 100400 to 100500 UTC Apr 24 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 100600 UTC Apr 24.</p>
<p><b>356. India West Coast - off Daman.</b> Charts IN 21 254 292 INT 7331. Vyacheslav tikhonov progressing seismic survey in area bounded by 19-58.07N 071-28.78E, 19-58.85N 072-32.52E, 20-23.14N 072-37.26E, 20-23.44N 071-33.09E (.) Wide berth of 06 nm requested. 2. Cancel this MSG 051830 UTC May 24.</p>
<p><b>357. Cancel NAVAREA VIII MSG 144/24 and this MSG.</b></p>
<p><b>358. India West Coast - off Dighi.</b> Charts IN 21 256 293 INT 7340. Firing scheduled from 090230 to 101630 UTC Apr 24 in danger area bounded within 17-45N to 18-15N and 072-00E to 072-30E. Wide berth from area advised. 2. Cancel this MSG 101730 UTC Apr 24.</p>
<p><b>359. India East Coast - off Gopalpur.</b> Charts IN 31 305 353 INT 7413. Army air defence firing scheduled 11 to 25 Apr 24 from 0130 to 0830 UTC and 0930 to 1430 UTC in danger area bounded by (a) 19-14.6N 084-53.7E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and arc of 41 nm radius joining point b and c. Wide berth from area advised. 2. Cancel this MSG 251530 UTC Apr 24.</p>
<p><b>360. Southern Indian Ocean.</b> Charts IN 7070 7073 INT 73. Space debris predicted from 13 to 19 Apr 24 between 0258 UTC and 0727 UTC in area bounded by 08-53S 092-28E, 07-46S 089-27E, 30-12S 061-09E, 40-45S 002-21W, 42-56S 002-24W, 32-16S 063-10E. Wide berth from area advised. 2. Cancel this MSG 190827 UTC Apr 24.</p>



<p><b>361. India West Coast - off Kollam.</b> Charts IN 22 222 260 INT 7362. Firing scheduled 12 and 13 Apr 24 from 0430 to 1130 UTC in danger area bounded by 08-30N 076-30E, 08-30N 076-20E, 08-35N 076-15E, 08-40N 076-20E, 08-35N 076-30E. Wide berth from area advised.</p> <p>2. Cancel this MSG 131230 UTC Apr 24.</p>
<p><b>362. India East Coast - off Chennai.</b> Charts IN 32 313 356 INT 7400. Firing by CG aircraft scheduled from 120130 to 121130 UTC Apr 24 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 121230 UTC Apr 24.</p>
<p><b>363. India West Coast - off Porbandar.</b> Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled from 120330 to 120830 UTC Apr 24 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 120930 UTC Apr 24.</p>
<p><b>364. Cancel NAVAREA VIII MSG 346/24 and this MSG.</b></p>
<p><b>365. Arabian Sea.</b> Charts IN 21 292 INT 7021. Firing scheduled from 120030 to 161830 UTC Apr 24 in danger area bounded by 19-09.82N 066-13.59E, 19-46.66N 066-30.89E, 19-03.23N 067-14.00E, 18-26.26N 066-57.14E. Wide berth from area advised.</p> <p>2. Cancel this MSG 161930 UTC Apr 24.</p>
<p><b>366. India East Coast - off Balasore.</b> Charts IN 31 351 352 INT 756. Experimental flight trials scheduled 17 to 19 Apr 24 from 0330 to 0730 UTC in danger area bounded by 21-36.9N 087-30.06E, 21-02.71N 088-52.75E, 19-27.23N 087-32.51E, 20-09.6N 086-36.71E, 20-42.18N 087-08.98E, 20-57.35N 086-54.46E. Wide berth from area advised.</p> <p>2. Cancel this MSG 190830 UTC Apr 24.</p>
<p><b>367. Bay of Bengal.</b> Charts IN 31 32 7706 INT 754. Firing scheduled 150100 to 201200 UTC Apr 24 in danger area bounded by 12-55.40N 085-00.10E, 13-28.00N 081-28.90E, 16-27.60N 083-56.20E, 14-12.80N 086-04.60E. Wide berth from area advised.</p> <p>2. Cancel this MSG 201300 UTC Apr 24.</p>
<p><b>368. India East Coast - off Sagar I.</b> Charts IN 31 301 351 INT 7419. Firing by CG aircraft scheduled on 15 Apr 24 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</p> <p>2. Cancel this MSG 151130 UTC Apr 24.</p>
<p><b>369. India West Coast - off Ponnani.</b> Charts IN 22 259 7706 INT 7356. Firing by CG aircraft scheduled from 16 to 19 Apr 24 from 0430 to 1030 UTC in danger area bounded within 10-20N to 10-50N and 075-00E to 075-35E. Wide berth from area advised.</p> <p>2. Cancel this MSG 191130 UTC Apr 24.</p>
<p><b>370. Andaman Sea.</b> Charts IN 33 472 INT 7032. Firing by aircraft scheduled 15, 16, 18 Apr 24 from 0330 to 0730 UTC in danger area bounded by 08-35.38N 091-59.63E, 07-09.8N 092-00.13E, 07-08.08N 093-58.28E, 08-29.18N 093-59.76E, 09-10.66N 093-13.78E. Wide berth from area advised.</p> <p>2. Cancel this MSG 180830 UTC Apr 24.</p>
<p><b>371. India West Coast - off Mumbai.</b> Charts IN 21 253 255 292 INT 7021. Vanessa 7 progressing survey in vicinity of 20-20.13N 072-05.29E, 19-18.32N 071-22.77E, 20-05.46N 071-53.12E, 19-36.19N 071-21.10E, 19-22.29N 071-03.63E, 18-32.28N 072-15.44E, 19-31.85N 071-24.94E, 19-19.47N 071-12.07E, 18-38.27N 072-14.05E, 18-08.49N 072-22.07E. Wide berth requested.</p> <p>2. Cancel this MSG 081830 UTC May 24.</p>
<p><b>372. India West Coast - off Daman.</b> Charts IN 21 254 292 INT 7331. Vyacheslav tikhonov and Orion laxmi progressing seismic survey in area bounded by 19-58.07N 071-28.78E, 19-58.85N 072-32.52E, 20-23.14N 072-37.26E, 20-23.44N 071-33.09E. Wide berth of 06 nm requested.</p> <p>2. Cancel NAVAREA VIII 356/24 and this MSG 081830 UTC May 24.</p>
<p><b>373. NAVAREA VIII - Warnings in force as on 12 Apr 2024.</b></p> <p><b>2022 Series</b> - 134 162 237 461 519</p> <p><b>2023 Series</b> - 116 161 178 240 386 455 456 484 574 604 622 655 675 703 733 741 748 750 929 1046 1057</p> <p><b>2024 Series</b> - 036 044 052 066 120 123 132 142 159 160 175 180 181 188 189 194 215 253 254 259 262 281 282 288 291 296 297 298 306 311 316 317 321 325 328 329 333 338 342 343 348 354 359 360 361 365 366 367 368 369 370 371 372</p> <p>(a) NAVAREA VIII warnings less than 42 days promulgated via safetynet</p> <p>(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>.</p> <p>2. Cancel this MSG 191830 UTC Apr 24.</p>
<p><b>374. India East Coast - off Visakhapatnam.</b> Charts IN 31 308 354 INT 7408. Subsurface firing scheduled from 161900 to 201900 UTC Apr 24 in danger area bounded within 17-36N to 17-46N and 083-34E to 083-44E. Wide berth from area advised.</p> <p>2. Cancel this MSG 202000 UTC Apr 24.</p>
<p><b>375. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig move. Jindal star (18-58.43N 071-37.44E), Vivekanand 1</p>

<p><b>375. Continued.</b> (19-15.95N 072-06.05E), Jt Angel (19-33.54N 071-23.22E). INTM 07/24, 060(T) refers. wide berth requested.</p>
<p><b>376. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. Seamec princess will carry out pipeline survey from 13 apr to 15 may 24 in vicinity of 19-19.46N 071-13.99E, 19-20.94N 071-18.14E, 19-21.94N 071-15.46E, 19-23.48N 071-25.18E, 19-16.71N 071-25.64E, 19-18.28N 071-22.77E, 19-22.41N 071-21.56E, 19-34.39N 071-21.74E, 19-35.16N 071-19.43E, 18-43.44N 072-20.31E, 18-45.65N 072-19.21E, 18-42.51N 072-20.42E, 18-41.46N 072-20.88E, 18-42.53N 072-20.46E, 18-08.44N 072-22.08E, 18-29.37N 072-14.74E. Wide berth requested. 2. Cancel this MSG 151830 UTC May 24.</p>
<p><b>377. Southern Indian Ocean.</b> Charts IN 7070 7073 INT 73. Space debris predicted from 16 to 24 Apr 24 between 2048 UTC and 0413 UTC in area bounded by 08-53S 092-28E, 07-46S 089-27E, 30-12S 061-09E, 40-45S 002-21W, 42-56S 002-24W, 32-16S 063-10E. Wide berth from area advised. 2. Cancel this MSG 240513 UTC Apr 24.</p>
<p><b>378. 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 from 170530 to 170700 UTC Apr 24. Danger sector from launcher (a) radius of 05 nm between azimuth 190 and 300 (b) between radii of 45 nm and 75 nm and azimuth 220 and 260. Wide berth from area advised. 2. Cancel this MSG 170800 UTC Apr 24.</p>
<p><b>379. India West Coast - off Daman.</b> Charts IN 21 254 292 INT 7331. Firing by CG aircraft scheduled from 170230 to 171130 UTC Apr 24 in danger area bounded within 20-26N to 20-40N and 072-27E to 072-40E. Wide berth from area advised. 2. Cancel this MSG 171230 UTC Apr 24.</p>
<p><b>380. Andaman Sea - off Barren I.</b> Charts IN 41 473 7706 INT 7031. Firing by aircraft scheduled from 170830 to 171030 UTC Apr 24 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 171130 UTC Apr 24.</p>
<p><b>381. India West Coast – Ratnagiri.</b> Charts IN 22 212 293 2028 INT 7022. DGPS (16-59.26N 073-16.34E) transmission will be switched off from 160330 UTC to 171230 UTC Apr 24 for maintenance. 2. Cancel this MSG 171230 UTC Apr 24.</p>
<p><b>382. India West Coast - off Vizhinjam.</b> Charts IN 22 222 260 INT 7362. Hydrographic Survey will be carried out from 16 Apr to 05 May 24 in area bounded within 08-11.67N to 08-25.67N and 076-53.92E to 077-02.75E. Wide berth requested. 2. Cancel this MSG 051830 UTC May 24.</p>
<p><b>383. India West Coast - off Mumbai.</b> Charts IN 21 255 292 293 INT 7334. Posh Natuna with anchor handling vessels posh Arcturus and posh Panglima progressing pipeline replacement survey in vicinity of 19-16.69N 071-25.54E, 19-15.26N 071-21.80E, 19-19.46N 071-13.99E, 19-19.80N 071-15.33E, 21-03N 072-23E, 21-03.69N 072-25.30E, 18-29.37N 072-14.74E, 18-08.44N 072-22.08E, 18-43.44N 072-20.31E, 18-42.51N 072-20.42E. wide berth requested. 2. Cancel this MSG 151830 UTC May 24.</p>
<p><b>384. India West Coast - off Hazira.</b> Charts IN 21 209 254 INT 7331. Coastal triumph progressing survey in area bounded by 21-11.54N 072-32.65E, 21-03.49N 072-32.65E, 21-03.49N 072-28.19E, 21-05.08N 072-28.19E, 21-05.08N 072-18.01E, 21-02.78N 072-18.01E, 21-02.78N 072-13.66E, 21-11.54N 072-13.66E. Wide berth of 02 nm requested. 2. Cancel this MSG 301830 UTC Apr 24.</p>
<p><b>385. India West Coast - off Mumbai.</b> Charts IN 21 211 255 292 INT 7334. Dsv wilchief-1, freight 54, sea conquest, sea venture, albatross 37 progressing offshore support activities in area bounded by 18-49.20N 072-09.49E, 18-48.80N 072-28.67E, 18-14.84N 072-27.98E, 18-15.17N 072-08.86E. Wide berth requested. 2. Cancel NAVAREA VIII MSG 306/24 and this MSG 301830 UTC Apr 24.</p>
<p><b>386. India West Coast - off Dabhol.</b> Charts IN 22 293 7705 INT 7022. Endeavour progressing cable laying operations in vicinity of 17-25.03N 070-15.89E, 17-24.32N 070-16.75E, 17-23.68N 070-17.52E, 17-23.59N 070-17.63E, 17-21.71N 070-20.78E, 17-19.69N 070-20.54E. Wide berth of 02 nm requested. 2. Cancel this MSG 231830 UTC Apr 24.</p>

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

NIL

7.1

**SECTION – VII**  
**CORRECTIONS TO LIST OF LIGHTS**

NIL

8.1

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

**INP 31(1), 2019**

*(Last correction: Edition No. 06 dated 16 Mar 2024)*

NIL

**INP 31(2), 2019**

*(Last correction: Edition No. 06 dated 16 Mar 2024)*

NIL

**INP 31(5), 2021**

*(Last correction: Edition No. 03 dated 01 Feb 2024)*

NIL

**INP 31(6), 2023**

*(Last correction: Edition No. 06 dated 16 Mar 2024)*

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), [inoh@navy.gov.in](mailto:inoh@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.

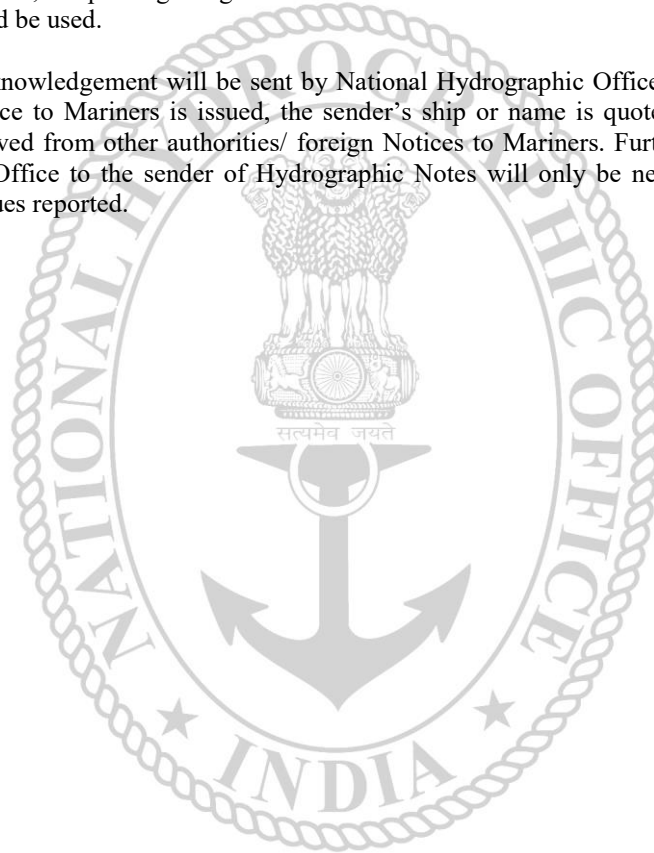
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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

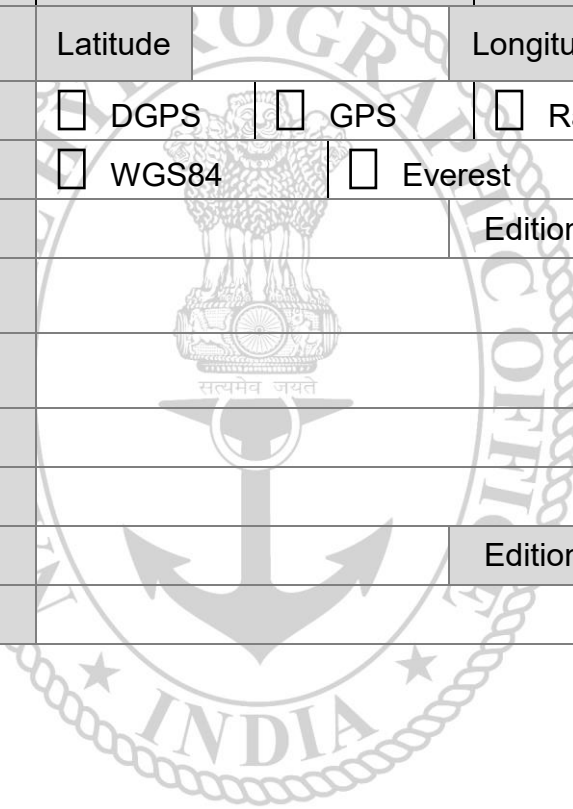
8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

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**