



# INDIAN NOTICES TO MARINERS



EDITION NO. 06 DATED 16 MAR 2025

(CONTAINS NOTICES 057 TO 059)

REACH US 24 x 7



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## 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

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



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## II

### MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

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

#### **New Updates**

**Revised 102A has been updated. Mariners are advised to use updated 102A for provisioning information.**

### 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 X.

**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 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>
NIL					

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>
NIL					

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>
NIL				

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>
NIL			

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>
IN53008I	3008	NIZAMPATNAM ANCHORAGE	10-03-2025
IN17706C	7706	BAY OF BENGAL	12-03-2025

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 The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN53008I	3008	NIZAPATNAM ANCHORAGE	24-03-2014
IN17706C	7706	BAY OF BENGAL	14-01-2025

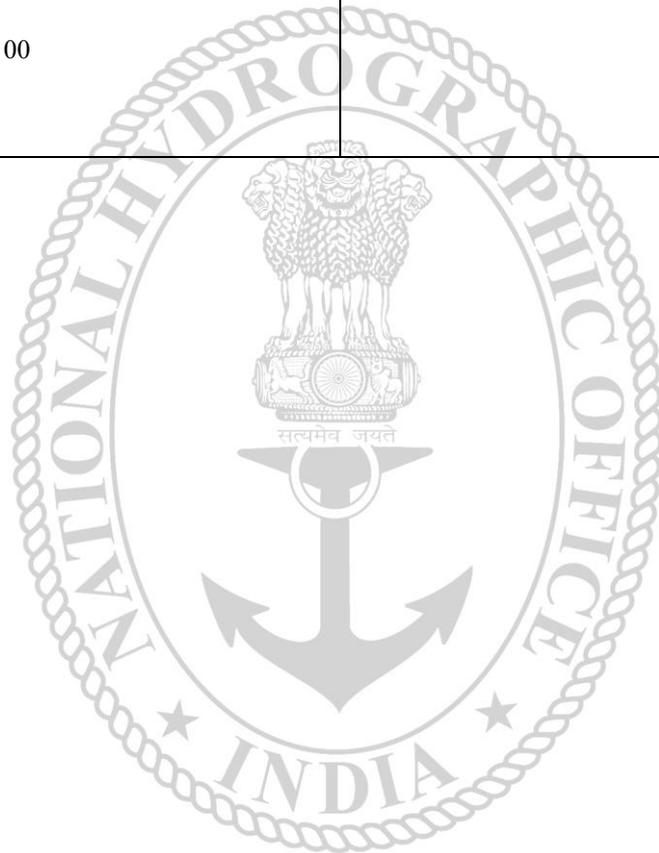
7. The forthcoming Indian Charts is as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2013 INT (7324)	PORT OF OKHA	12,500	NEW EDITION
2031 INT (7326)	OKHA HARBOUR	37,500	NEW EDITION
2054	MADHWAD BAY	25,000	NEW EDITION
2502	CARGADOS CARAJOS (SAINT BRANDON) ANCHORAGE	25,000	NEW CHART

**Availability of ENC's**

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

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



**SECTION – I**

The list of charts affected by the Notices 057 to 059 contained in this edition is as follows:-

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	057 (T), 059 (T)
22 (INT 752)	3	057 (T)
31 (INT 756)	5	058 (T), 059 (T)
32 (INT 754)	5	058 (T), 059 (T)
33 (INT 755)	5	058 (T), 059 (T)
41 (INT 757)	6	058 (T), 059 (T)
204	2	057 (T)
207	2	057 (T)
210	3	057 (T)
211	3	057 (T)
252 (INT 7325)	2	057 (T)
253 (INT 7328)	2	057 (T)
254 (INT 7331)	3	057 (T)
255 (INT 7334)	3	057 (T)
256 (INT 7340)	3	057 (T)
271	2	057 (T)
291	2	057 (T), 059 (T)
292 (INT 7021)	2	057 (T)
293 (INT 7022)	3	057 (T)
313	5	058 (T)
315	5	059 (T)
316	5	059 (T)
356 (INT 7400)	5	058 (T)
357 (INT 7397)	5	058 (T)
358 (INT 7394)	5	059 (T)
391	5	058 (T)
404 (INT 7439)	6	058 (T)
405 (INT 7440)	6	058 (T)
472 (INT 7032)	6	058 (T)
473 (INT 7031)	6	058 (T)
3001 (INT 7402)	5	058 (T)
3004 (INT 7403)	5	058 (T)
4115	6	058 (T)
7070 (INT 70)	1	059 (T)
7071 (INT 71)	1	057 (T), 058 (T), 059 (T)
7072 (INT 72)	1	057 (T), 059 (T)
7073 (INT 73)	1	057 (T), 058 (T), 059 (T)
7508 (INT 508)	1	059 (T)
7701 (INT 701)	1	059 (T)
7702 (INT 702)	1	059 (T)
7703 (INT 703)	1	059 (T)
7705 (INT 705)	1	057 (T), 058 (T)
7706 (INT 706)	1	057 (T), 058 (T), 059 (T)
7707 (INT 707)	1	059 (T)
7708 (INT 708)	1	059 (T)

**SECTION – II**

**PERMANENT NOTICES**

**NIL**



**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>*057 (T) (06/25)</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>
<b>Jindal Supreme</b>	<b>18° 42'.85N., 072° 18'.86E.</b>
Sagar Uday	19° 22'.11N., 071° 25'.95E.
<b>Divine Driller</b>	<b>20° 20'.16N., 072° 00'.35E.</b>
Jindal Star	19° 34'.46N., 071° 21'.78E.
<b>Sagar Bhushan</b>	<b>19° 08'.57N., 071° 05'.68E.</b>
Sagar Kiran	19° 41'.63N., 071° 21'.55E.
Great Drill Chaaru	19° 12'.50N., 072° 02'.24E.
<b>CE Thornton</b>	<b>18° 22'.50N., 071° 20'.74E.</b>
<b>Aban VIII</b>	<b>17° 33'.72N., 072° 22'.86E.</b>
Vivekananda 1	18° 39'.22N., 070° 58'.86E.
<b>Key Singapore</b>	<b>18° 32'.30N., 072° 15'.44E.</b>
<b>Aban III</b>	<b>18° 54'.75N., 071° 49'.57E.</b>
<b>Jindal Explorer</b>	<b>18° 15'.54N., 072° 16'.34E.</b>
Victory Driller	20° 42'.68N., 071° 38'.10E.
Ron Tappmeyer	18° 46'.02N., 072° 17'.96E.
Trident 2	19° 29'.83N., 071° 19'.49E.
Sagar Gaurav	20° 44'.84N., 072° 19'.31E.
Aban IV	18° 39'.66N., 072° 13'.33E.
Sagar Jyoti	20° 39'.28N., 071° 43'.43E.
<b>Sagar Ratna</b>	<b>19° 30'.17N., 071° 16'.06E.</b>
Compact Driller	19° 18'.78N., 072° 01'.55E.
<b>Sagar Vijay</b>	<b>19° 01'.52N., 071° 10'.88E.</b>
Sagar Shakti	18° 58'.05N., 072° 40'.03E.
Admarine 9	19° 19'.83N., 071° 15'.33E.
Trident 12	19° 41'.32N., 071° 36'.61E.
Admarine 10	18° 58'.31N., 071° 47'.57E.
Foresight Driller IX	20° 14'.88N., 071° 57'.77E.
Virtue 1	19° 31'.70N., 071° 16'.52E.
<b>FG MC Clinttok</b>	<b>18° 08'.50N., 072° 22'.07E.</b>
Admarine 11	19° 33'.52N., 071° 24'.81E.
Discovery 1	20° 21'.56N., 072° 01'.43E.
Great Drill Chitra	20° 05'.60N., 071° 48'.56E.
Sagar Samrat	18° 58'.43N., 071° 37'.44E.
<b>Vivekananda 2</b>	<b>19° 10'.07N., 071° 46'.56E.</b>
Armada Sterling I	18° 35'.24N., 071° 02'.08E.
Armada Sterling II	19° 10'.50N., 070° 56'.70E.

<b>DS Fossil</b>	<b>19° 34'.16N., 071° 07'.97E.</b>
<b>DS Fortune</b>	<b>17° 28'.84N., 072° 24'.63E.</b>
<b>2. 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) – 204 – 207 – 210 – 211 – 252 (INT 7325) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 271 – 291 – 292 (INT 7021) – 293 (INT 7022) – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7705 (INT 705) – 7706 (INT 706).</b>	
<i>Former INTM 045 (T)/25 is cancelled.</i>	

<b>*058 (T) (06/25)</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 <i>FI(4)15s4M</i> , 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° 13'.08E</b>
<b>BD09/OB</b>	<b>17° 27'.75N., 089° 06'.08E</b>
<b>BD10/OB</b>	<b>16° 20'.90N., 088° 00'.13E</b>
<b>BD11/OB</b>	<b>13° 29'.38N., 084° 07'.32E</b>
<b>BD12/OB</b>	<b>10° 32'.52N., 094° 01'.23E</b>
<b>BD13/OB</b>	<b>13° 59'.75N., 087° 00'.90E</b>
<b>BD14/OB</b>	<b>06° 34'.00N., 088° 23'.00E</b>
<b>CB01/CB</b>	<b>11° 35'.33N., 092° 35'.77E</b>
<b>CB06/CB</b>	<b>13° 05'.58N., 080° 18'.45E</b>
<b>TB05/TB</b>	<b>10° 09'.95N., 088° 31'.28E</b>
<b>TB06/TB</b>	<b>14° 42'.63N., 089° 32'.55E</b>
<b>TB09/TB</b>	<b>16° 56'.23N., 089° 58'.43E</b>
<b>STB01/TB</b>	<b>06° 15'.00N., 088° 52'.80E</b>
<b>2. 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>	
<i>Former INTM 049 (T)/25 is cancelled.</i>	

<b>*059 (T) (06/25)</b>	<b>INDIAN OCEAN - NORTHERN PART - RAMA Buoys.</b>
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>
<b>RA185A</b>	<b>15° 01'.70N., 089° 02'.50E</b>
<b>RA184A</b>	<b>00° 00'.00N., 089° 57'.60E</b>
<b>RA186A</b>	<b>00° 11'.90N., 080° 23'.80E</b>
<b>RA187A</b>	<b>01° 30'.10S., 080° 32'.20E</b>
<b>RA192A</b>	<b>07° 56'.00N., 067° 07'.30E</b>
<b>RA182A</b>	<b>02° 16'.30N., 072° 57'.90E</b>
<b>RA191A</b>	<b>03° 59'.80N., 066° 58'.90E</b>
<b>RA190A</b>	<b>01° 42'.70N., 066° 41'.60E</b>
<b>RA189A</b>	<b>00° 28'.60S., 087° 10'.90E</b>
<b>RA188A</b>	<b>01° 34'.50S., 066° 59'.90E</b>
<b>RA177A</b>	<b>05°49'.20S., 055° 22'.20E</b>
<b>RA178A</b>	<b>14° 36'.00S., 046° 15'.20E</b>
<b>RT033</b>	<b>09° 46'.60N., 080° 16'.60E</b>
<b>RT030</b>	<b>00° 47'.80S., 083° 06'.70E</b>
<b>RT029</b>	<b>12° 34'.90S., 068° 50'.60E</b>
<b>RT028</b>	<b>11° 50'.50S., 080° 18'.80E</b>
<b>RT032</b>	<b>25° 06'.80N., 062° 20'.00E</b>
<b>RT043</b>	<b>03° 55'.90S., 064° 58'.40E</b>
<b>RT042</b>	<b>08° 06'.30S., 065° 04'.40E</b>

<b>RT041</b>	<b>12° 00'.60S., 064° 58'.30E</b>
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 - 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) - 7706 (INT 706) - 7707 (INT 707) - 7708 (INT 708).</b>	
<i>Former INTM 050 (T)/25 is cancelled.</i>	



## 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

NAVTEX stations along the Indian coast:-

INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz								
Sl.	Station Name	BI	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.**

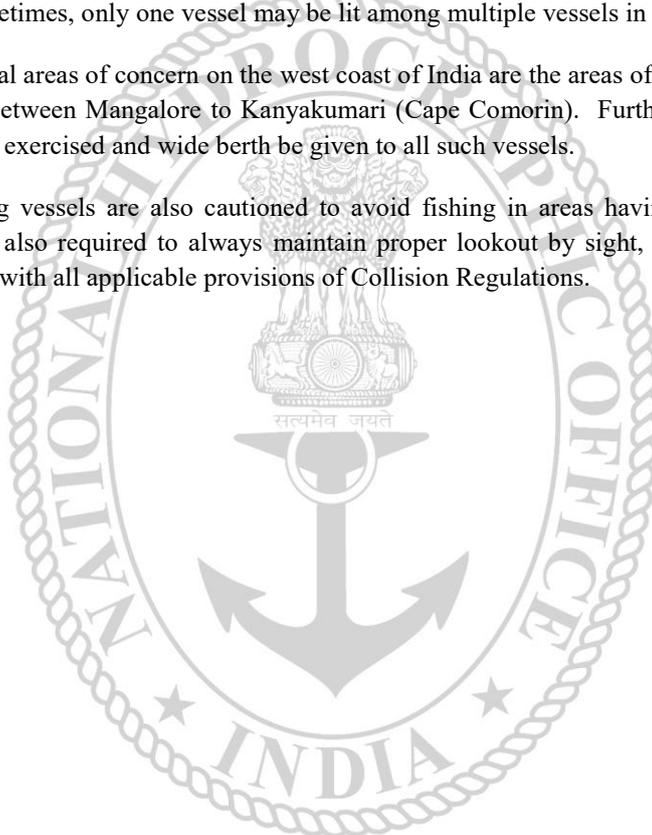
- (a) Under GMDSS, the usage of Iridium Mobile Satellite communication equipment in the Indian Waters are considered subject to the conditions as outlined under;
  - (aa) Merchant ships may install and keep the Iridium equipment active in Indian Territorial waters, provided the equipment is registered and certified as per the prevailing rules of the Flag of the ship and is used only on board ship and the portable Iridium sets may not be carried onto Indian Land Territory.
  - (ab) 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.
  - (ac) 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).
- (b) 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.
- (c) 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.
- (d) The Ship-Owners, Ship-Masters, Ship-Operators, Ship-Agents and other stake holders are intimated for strict compliance of this DGS Order.
- (e) This DGS Order No. 09 of 2023 is to be referred for detailed information on this subject.

## 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>M/s VDO Marine Instruments</b>          PO Bag No – 645, 45/271,          Shanghar Building,          Corner of Bristow &amp; Naval Road,          Willingdon Island, Kochi – 682003          Tel: +91 4842667157          Fax: +91 4842667121          Email: <a href="mailto:atmain@md4.vsnl.net.in">atmain@md4.vsnl.net.in</a>          Web: <a href="http://www.atmain.in">www.atmain.in</a></p>	<p><b>M/s Global Charts &amp; Nav. Aids Pvt. Limited</b>          1A, Goa Mansion, Ground Floor,          58, Dr. Sunderlal Bahl 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 JM Maritime Services</b>          24/24C Kavarana Building,          Ground Floor, Wadi Bunder,          P.D. Mellow Road,          Masjid Bunder East, Mumbai – 400 009          Tel: +91 22 23736756, Fax: +91 22 - 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>M/s Lift o Marine</b>          Allens Mansion, C6, Nungi Station Road,          Batanagar, Kolkata – 700 140          Tel/Fax: +91 33 24924283, +91 9836972027          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>M/s L. R. Marine Services</b>          301, 3rd Floor, Birya House,          265, Perin Nariman Street,          Fort, Mumbai - 400 001.          Tel: +91-22-2269 1535, Fax: +91-22-66359148          Mob: +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 CNC</b>          Office No. S-12-92          Haware's Centurion Premises Coop, Soc. Ltd,          Plot no 88-91, Sector 19, NERUL,          Navi Mumbai – 400 706          Tel: +91 22 22660017/ +91 22 49747575/ +91 7506097212          Cell No: +91 9920654848          Email: <a href="mailto:sales@emariner.net">sales@emariner.net</a>          Web: <a href="http://www.emariner.net">www.emariner.net</a></p>	

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

- 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).
- For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2024.
- NAVAREA VIII Warnings in force as on 16 Mar 25: -

<b>2023 SERIES</b> - 161 386 484 574 703 733 748 750 929 1046 1057
<b>2024 SERIES</b> - 180 188 215 317 481 539 550 584 600 604 640 669 691 707 709 791 817 843 901 947 958 1063 1089 1111 1113 1118
<b>2025 SERIES</b> - 003 015 024 035 044 046 063 073 091 093 094 095 104 106 108 114 121 122 124 146 150 151 154 163 164 172 173 176 179 180 189 190 192 193 196 198 200 201 202 203 206 207 208 212 213 215 219 220 221 222 224 228 229 230 231 232 233 234 235 236 237 238 239 240 241 243 244 245 246 247 248 249 250 251

- NAVAREA VIII Warnings issued during the period from 01 Mar 25 to 15 Mar 25 (both dates inclusive) are as tabulated below: -

<b>211. Southern Indian Ocean.</b> Charts IN 7070 7073 7707 INT 707. Rocket debris predicted from 030700 to 031300 UTC Mar 25 in danger area bounded by 09-27S 089-17E, 09-20S 088-45E, 06-42S 089-16E, 06-48S 089-48E. Wide berth from area advised. 2. Cancel this MSG 031400 UTC Mar 25
<b>212. India West Coast.</b> Charts IN 21 256 293 INT 7022. Rig move. Fg mc clintock (18-08.50N 072-22.07E). INTM 045(T) of 04/25 refers. Wide berth requested .
<b>213. Andaman Sea - off South Andaman I.</b> Charts IN 33 404 473 INT 7031. Firing by aircraft scheduled 05, 12, 19 and 26 Mar 25 from 0430 to 0630 UTC in danger area bounded by 11-40N 092-27E, 11-43N 092-16E, 11-52N 092-19E, 11-48N 092-29E. Wide berth from area advised. 2. Cancel this MSG 260730 UTC Mar 25.
<b>214. Cancel NAVAREA VIII MSG 211/25 and this MSG.</b>
<b>215. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig move. Vivekanand-2 (19-10.07N 071-46.56E), Jindal supreme (18-42.85N 072-18.86E). INTM 045(T) of 04/25 refers. Wide berth requested. 2. Cancel NAVAREA VIII MSG 1085/24.
<b>216. Cancel NAVAREA VIII MSG 079/25 and this MSG.</b>
<b>217. India West Coast - off Kochi.</b> Charts IN 22 273 7707 INT 707. Surface and subsurface firing scheduled from 071930 to 101800 UTC Mar 25 in danger area bounded by 08-11N 074-55E, 09-10N 075-18E, 09-52N 073-32E, 09-14N 073-01E. Wide berth from area advised. 2. Cancel this MSG 101900 UTC Mar 25.
<b>218. 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 060330 UTC to 071230 UTC Mar 25 for maintenance. 2. Cancel this MSG 071230 UTC Mar 25.
<b>219. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. Cs Etisalat progressing cable repairs in areas bounded by (a) 18-55.74N 071-39.07E, 18-57.18N 071-56.51E, 18-55.03N 071-56.49E, 18-53.63N 071-39.11E (b) 18-42.99N 070-21.47E, 18-42.01N 070-22.01E, 18-51.92N 070-54.39E, 18-52.95N 070-54.03E. Wide berth of 01 nm requested 2. Cancel this MSG 311830 UTC Mar 25.
<b>220. Bay of Bengal.</b> Charts IN 33 7706 INT 706. Subsurface firing scheduled from 060030 to 201800 UTC Mar 25 in danger area bounded by 09-05N 084-11E, 07-20N 084-29E, 07-20N 090-53E, 09-05N 090-34E. Wide berth from area advised. 2. Cancel this MSG 201900 UTC Mar 25.
<b>221. India East Coast - off Balasore.</b> Charts IN 31 351 7706 INT 706. Experimental flight trials scheduled 10 to 13 Mar and 15, 17, 18 Mar 25 from 0630 to 0830 UTC and 1030 to 1330 UTC in danger area bounded by (a) 20-57N 086-54E (b) 21-13N 087-23E (c) 21-31N 087-42E (d) 21-41N 087-45E. Danger area extending up to coastline joining point a and d. Wide berth from area advised. 2. Cancel this MSG 181430 UTC Mar 25.
<b>222. India East Coast - off Balasore.</b> Charts IN 31 351 7706 INT 756. Experimental flight trials scheduled 10 to 11 Mar,

<p><b>222. Continued.</b> 15 Mar, 17 to 18 Mar, 21 to 22 Mar and 24 to 25 Mar 25 from 0430 to 0630 UTC and 0830 to 1100 UTC in danger area bounded by 21-14.92N 086-48.63E, 19-45.78N 087-48.07E, 21-02.72N 088-52.75E, 21-28.55N 087-59.30E, 21-35.58N 087-10.70E. Wide berth from area advised. 2. Cancel this MSG 251200 UTC Mar 25</p>
<p><b>223. Andaman Sea - off Little Nicobar I.</b> Charts IN 41 409 4036 INT 7448. Hydrographic Survey will be carried out from 10 to 12 Mar 25 in area bounded within 07-25.70N to 07-27.90N and 093-41.20E to 093-43.35E. Wide berth requested. 2. Cancel this MSG 121830 UTC Mar 25.</p>
<p><b>224. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig move. Foresight driller ix (19-19.25N 072-00.50E). INTM 045(T) of 04/25 refers. Wide berth requested.</p>
<p><b>225. India West Coast - Mormugao.</b> Charts IN 22 214 293 INT 7022. Firing scheduled from 110330 to 110730 UTC Mar 25 in danger area bounded within 15-15.50N to 15-25N and 073-37E to 073-47.33E. Wide berth from area advised 2. Cancel this MSG 110830 UTC Mar 25.</p>
<p><b>226. Arabian Sea - off Somalia.</b> Charts IN 7703 INT 703. Firing exercise scheduled 11 to 13 Mar 25 from 1000 to 1400 UTC in danger area bounded within 10-13N to 10-43N and 052-40E to 054-41E. Wide berth from area advised. 2. Cancel this MSG 131500 UTC Mar 25.</p>
<p><b>227. Bay of Bengal - off Balasore.</b> Charts IN 31 351 7706 INT 756. Experimental flight trials scheduled 12 to 13 Mar 25 from 0430 to 0630 UTC and 0830 to 1030 UTC in danger area bounded by 21-35.58N 087-10.70E, 21-28.55N 087-59.30E, 21-02.72N 088-52.75E, 18-27.23N 089-21.15E, 18-23.33N 089-21.33E, 18-09.25N 088-59.70E, 21-14.47N 086-44.40E. Wide berth from area advised. 2. Cancel this MSG 131130 UTC Mar 25.</p>
<p><b>228. India East Coast - off Paradip.</b> Charts IN 31 304 305 352 INT 7416. Teja will carry out seismic survey from 10 to 31 Mar 25 in area bounded by 19-34N 086-03E, 19-43N 085-59E, 19-55N 086-29E, 19-51N 086-32E. Wide berth of 02 nm requested. 2. Cancel this MSG 311830 UTC Mar 25.</p>
<p><b>229. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. Vanessa 7 progressing survey in vicinity of 18-42.85N 072-18.86E, 19-28.48N 071-14.83E, 19-31.76N 071-22.37E, 19-25.36N 071-19.57E, 19-25.66N 071-16.15E, 19-28.98N 071-19.64E, 18-56.82N 070-54.81E, 18-39.23N 070-58.86E. Wide berth of 01 nm requested. 2. Cancel this MSG 311830 UTC Mar 25.</p>
<p><b>230. NAVAREA VIII - Warnings in force as on 07 Mar 2025.</b> <b>2023 Series</b> - 161 386 484 574 703 733 748 750 929 1046 1057 <b>2024 Series</b> - 180 188 215 317 481 539 550 584 600 604 640 669 691 707 709 791 817 843 901 947 958 1063 1089 1111 1113 1118 <b>2025 Series</b> - 003 015 024 035 044 046 048 063 073 091 093 094 095 104 106 108 114 121 122 124 138 142 146 148 149 150 151 154 163 164 172 173 176 179 180 189 190 192 193 196 198 200 201 202 203 205 206 207 208 209 212 213 215 217 219 220 221 222 223 224 225 226 227 228 229 (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>.</p>
<p><b>231. India West Coast - off Daman.</b> Charts IN 21 210 254 INT 7331. Lts 3000, Britoil 71 and Vallianz Steadfast progressing offshore installation works in vicinity of 20-16.76N 071-55.66E, 20-09N 071-48.25E, 20-08.40N 071-53.14E, 20-02.96N 071-45.72E. Wide berth requested. 2. Cancel this MSG 301830 UTC Apr 25.</p>
<p><b>232. Andaman Sea - Bompoka and Chowra I.</b> Charts IN 33 408 472 INT 7446. Hydrographic survey being progressed in areas bounded within (a) 08-07.20N to 08-20.60N and 093-10.50E to 093-19.30E (b) 08-22.30N to 08-31.10N and 092-55E to 093-08.40E. Wide berth requested. 2. Cancel this MSG 201830 UTC Mar 25.</p>
<p><b>233. India West Coast - off Daman.</b> Charts IN 21 210 254 INT 7331. Vallianz pegasus progressing survey in vicinity of 20-08.99N 071-48.24E, 20-16.76N 071-55.65E, 20-08.39N 071-53.13E, 20-02.96N 071-45.71E, 20-13.31N 071-54.79E, 20-20.13N 072-01.32E, 20-36.02N 072-02.23E. Wide berth requested. 2. Cancel this MSG 311830 UTC May 25</p>
<p><b>234. India West Coast - off Mumbai.</b> Charts IN 21 292 293 INT 7021. Samudra sarvekshak progressing survey in vicinity of 20-02.99N 071-45.71E, 18-21.73N 070-40.49E, 18-07.57N 070-46.86E, 18-06.03N 070-59.42E, 19-25.66N 071-16.15E, 20-56.25N 072-34.27E, 19-15.69N 071-21.08E, 21-03.50N 072-24.44E, 19-36.50N 071-18.85E. Wide berth requested. 2. Cancel this MSG 091830 UTC Apr 25.</p>
<p><b>235. India East Coast - Antarvedi.</b> Charts IN 32 355 391 INT 7405. Dgps (16-19.02N 081-43.55E) Transmission switched off.</p>
<p><b>236. India East Coast - off Gopalpur.</b> Charts IN 31 305 353 INT 7413. Army air defence firing scheduled 14 to 16 Mar 25 from 0130 to 1430 UTC in danger area bounded by (a) 19-14.60N 084-53.70E (b) 19-07.39N 085-35.94E (c) 18-33.61N</p>

<p><b>236. Continued.</b> 084-53.74E and arc of 41 nm radius joining point b and c. Wide berth from area advised. 2. Cancel this MSG 161530 UTC Mar 25.</p>
<p><b>237. Indian Ocean - off Somalia.</b> Charts IN 7071 7701 INT 701. Oruc reis with zaganos pasa, ataman and sancar will carry out seismic survey from 15 mar to 15 may 25 in areas bounded by (a) 03-23.38N 048-25.29E, 04-21.63N 049-15.95E, 04-24.73N 049-11.46E, 03-27.20N 048-21.46E (b) 04-26.37N 048-53.85E, 03-59.30N 049-33.07E, 04-41.41N 049-33.32E, 04-56.73N 049-10.91E. Wide berth of 5nm ahead, 4nm on each side and 8nm astern requested. 2. Cancel this MSG 151830 UTC May 25.</p>
<p><b>238. India West Coast - off Kochi.</b> Charts IN 22 220 260 INT 7362. Firing by aircraft scheduled 17 to 21 Mar 25 from 0300 to 1130 UTC in danger area bounded by 09-50N 076-08E, 09-55N 076-06E, 09-54.03N 076-01.01E, 09-46.52N 076-03.30E. Wide berth from area advised. 2. Cancel this MSG 211230 UTC Mar 25.</p>
<p><b>239. India East Coast - off Balasore.</b> Charts IN 31 351 7706 INT 706. Firing by IAF aircraft scheduled 17 Mar to 17 Apr 25 from 0400 to 0630 UTC and 0830 to 1030 UTC in danger area bounded by (a) 20-57N 086-54E (b) 21-13N 087-23E (c) 21-31N 087-42E (d) 21-41N 087-45E (.) Danger area extending up to coastline joining point a and d. Wide berth from area advised. 2. Cancel this MSG 171130 UTC Apr 25.</p>
<p><b>240. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig move Sagar shakti (19-10.07N 072-16.03E). INTM 045(T) of 04/25 refers. Wide berth requested.</p>
<p><b>241. India West Coast - Gulf of Kachchh.</b> Charts IN 21 203 2068 INT 7319. Paga buoy (22-35.40N 069-14.60E) retrieved for maintenance.</p>
<p><b>242. Cancel NAVAREA VIII MSG 138/25, 142/25 and this MSG.</b></p>
<p><b>243. Andaman Sea - off Little Nicobar I.</b> Charts IN 41 409 4206 INT 7448. Firing scheduled 17 to 20 Mar 25 from 2330 UTC and extending upto 1030 UTC on next day in danger area bounded by 07-28.55N 093-38.36E, 07-28.26N 093-38.11E, 07-28.05N 093-38.96E, 07-28.81N 093-38.65E. Wide berth from area advised. 2. Cancel this MSG 211130 UTC Mar 25.</p>
<p><b>244. India East Coast - off Kakinada.</b> Charts IN 31 355 391 INT 7405. Coastal triumph will carry out geotechnical survey from 16 Mar to 26 Apr 25 in area bounded by 16-36.83N 082-24.50E, 16-28.50N 082-33.83E, 16-21N 082-24.50E, 16-28.50N 082-13.83E. Wide berth of 02 nm requested. 2. Cancel this MSG 261830 UTC Apr 25.</p>
<p><b>245. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. Pfs supplier will carry out survey from 15 Mar to 13 Apr 25 at various locations in area bounded within 19-15N to 19-38N and 071-12E to 071-26E. Wide berth requested. 2. Cancel this MSG 131830 UTC Apr 25.</p>
<p><b>246. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig move. Sagar uday (19-18.85N 071-24.94E), Ce thornton (19-19.41N 071-17.78E). INTM 045(T) of 04/25 refers. Wide berth requested. 2. Cancel NAVAREA VIII MSG 149/25.</p>
<p><b>247. Andaman Sea.</b> Charts IN 41 7706 INT 706. Rig move. Ddkg1 (13-18.22N 095-12.36E) (.) INTM 034(T) of 01/25 refers. Wide berth requested.</p>
<p><b>248. NAVAREA VIII - Warnings in force as on 13 Mar 2025.</b> <b>2023 Series</b> - 161 386 484 574 703 733 748 750 929 1046 1057 <b>2024 Series</b> - 180 188 215 317 481 539 550 584 600 604 640 669 691 707 709 791 817 843 901 947 958 1063 1089 1111 1113 1118 <b>2025 Series</b> - 003 015 024 035 044 046 063 073 091 093 094 095 104 106 108 114 121 122 124 146 150 151 154 163 164 172 173 176 179 180 189 190 192 193 196 198 200 201 202 203 206 207 208 212 213 215 219 220 221 222 224 228 229 230 231 232 233 234 235 236 237 238 239 240 241 243 244 245 246 247 (a) NAVAREA VIII Warnings less than 42 days promulgated via safetynet. (b) Text of NAVAREA VIII warning inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a>. 2. Cancel this MSG 211000 UTC Mar 25.</p>
<p><b>249. Lakshadweep Sea - off Kavaratti I.</b> Charts IN 268 273 2023 INT 7353. Firing scheduled from 150330 to 151230 UTC Mar 25 in danger area bounded by 10-33.32N 072-38.05E, 10-32.54N 072-38.72E, 10-31.92N 072-37.90E, 10-32.60N 072-37.25E. Wide berth from area advised. 2. Cancel this MSG 151330 UTC Mar 25.</p>
<p><b>250. India West Coast - Gulf of Kachchh.</b> Charts IN 21 203 2068 INT 7319. Channel marking buoy Ranwara (22-39.20N 069-19.80E) retrieved for maintenance.</p>
<p><b>251. Southern Indian Ocean.</b> Charts IN 7070 7073 7707 INT 707. Space debris predicted from 170700 to 171300 UTC Mar 25 in danger area bounded by 09-27S 089-17E, 09-20S 088-45E, 06-42S 089-16E, 06-48S 089-48E. Wide berth from area advised. 2. Cancel this MSG 171400 UTC Mar 25.</p>

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

NIL

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

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D6892-5	- Recif Vacluse	12 39-38 S 45 07-28 E	Fl(4)G 15s	9	4	Δ on white beacon	TE 2025 *
D6893-6	- Port de Longoni. Pointe de Longoni. Northward	12 42-74 S 45 09-83 E	Q(9)W 15s	9	7	⊗ on yellow beacon, black band 7	TE 2024 *
D7260	Boosaaso (Bender Cassim). Ldg Lts 138°. Front	11 17-27 N 49 10-74 E	Q R	..	8	Red Δ on white post	PA. TE 2024 *
D7260-1	Boosaaso (Bender Cassim). Ldg Lts 138°. Rear. 200m from front	11 17-25 N 49 10-75 E	Iso R 4s	..	10	Red ∇ on white post	TE 2024 *
D7261	Boosaaso (Bender Cassim). Breakwater. W End	11 17-51 N 49 10-65 E	Fl W 3s	..	8	Red column with ladder	PA. TE 2024 *
D7296-98	<b>Ra's Rawahimi</b>	28 43-20 N 32 49-41 E	Fl(3)W 20s	22	15	Black GRP tower 10	..
	-	..	Racon	..	..	..	ILRS Vol 2 Station 74740 *
D7297-28	SUEZ BAY (BAHR AL QULZUM) - <b>Birkat Misallat.</b> South-eastward	29 54-44 N 32 35-56 E	Fl W 3s	42	18	White daymark on metal framework tower 39	..
	- - -	..	Racon	..	..	..	ILRS Vol 2 Station 75400 *
D7297-73	STRAIT OF TIRAN. GRAFTON PASSAGE. JAZIRAT TIRAN - Johnson Point. North-westward	28 00-83 N 34 29-17 E	Fl G 5s	9	8	White GRP tower, green top 6	.. *
D7354-92	Remove from list; deleted						
D7673.5	Bu ol Kheyr	28 31-89 N 51 05-09 E	Fl(2)R 6s	13	7	□ on red beacon	.. * * * * *
D7674-52	Lavar-e Saheli	28 14-55 N 51 16-29 E	Fl(2)G 6s	..	7	Δ on beacon	.. * * * * *
D7674-53	Lavar-e Saheli	28 14-48 N 51 16-24 E	Fl(2)R 6s	..	7	□ on beacon	.. * * * * *
F0557-6	Chaul Kadu Reefs	18 35-80 N 72 50-90 E	Fl R 3s	17	4	White round masonry tower 17	// 0-3 *
F1212-2	Flat Rock	11 08-23 N 93 30-81 E	Fl(2)W 5s	..	10	..	<b>On trial (T) 2024</b> *
F1736-957	- Pengerang Terminal. Ldg Lts 321°. Front	01 19-99 N 104 11-23 E	Iso W 4s	32	10	White pile beacon	.. * * * * *
F1736-9571	- Pengerang Terminal. Ldg Lts 321°. Rear	01 20-21 N 104 11-06 E	Iso W 4s	46	15	White pile beacon	.. * * * * *

## 7.2

<b>F1736-9572</b>	- Pengerang Terminal. J3-HL1	01 19-44 N 104 12-27 E	Fl Y 3s	..	..	Black post	..
*	*	*	*	*	*	*	*
<b>F1736-9573</b>	- Pengerang Terminal. J3-HL2	01 19-38 N 104 11-79 E	Fl Y 3s	..	..	Black post	..
*	*	*	*	*	*	*	*
<b>F1736-9574</b>	- Pengerang Terminal. HL-4	01 19-43 N 104 11-37 E	Fl(2)R 10s	..	..	Red pile beacon	..
*	*	*	*	*	*	*	*
<b>F1736-9575</b>	- Pengerang Terminal. HL-2	01 19-75 N 104 11-24 E	Fl G 5s	..	..	Green pile beacon	..
*	*	*	*	*	*	*	*
<b>F1837-75</b>	- Selat Lampa. Pian Padang	03 39-85 N 108 08-12 E	Fl G 9s	31	5	Green $\Delta$ on beacon	// 0-9
		*		*		*	

8.1  
**SECTION – VIII**  
**CORRECTION TO LIST OF RADIO SIGNALS**

**INP 31(1), 2024**

*(Last correction: Edition No. 01 dated 01 Jan 2025)*

NIL

**INP 31(2), 2024**

*(Last correction: INP 31(2), 2019, Edition No. 19 dated 01 Oct 2024)*

NIL

**INP 31(5), 2021**

*(Last correction: Edition No. 01 dated 01 Jan 2025)*

NIL

**INP 31(6), 2023**

*(Last correction: Edition No. 05 dated 01 Mar 2025)*

**PAGE 243, TANZANIA, TANGA, CONTACT DETAILS, Pilots, VHF  
Channel section.**

*Delete and replace by:*

VHF Channel: Ch 12

**PAGE 243, TANZANIA, TANGA, below PROCEDURE section,**

*Insert new entry:*

**Tugs**

**HOURS:** H24

**PROCEDURE:**

Tugs are compulsory for tankers.

**PAGE 247, UNITED ARAB EMIRATES, GENERAL NOTES, ISPS  
DESIGNATED AUTHORITY.**

*Delete and replace by:*

**ISPS DESIGNATED AUTHORITY  
CONTACT DETAILS:**

**Ministry of Interior, Central Operation Department**

Telephone: +971(0)2 4415288

+971(0)2 4415277

+971(0)50 6678700 (Mobile)

Fax: +971(0)2 4415266

+971(0)2 4415288

Website: [www.moi.gov.ae](http://www.moi.gov.ae)

**General Headquarters Armed Forces, Coast Guard Group**

Telephone: +971(0)2 6550900

+971(0)2 6550996 (Emergency)

+971(0)50 9060888 (Mobile)

Fax: +971(0)2 6733328

E-mail: [info@cna.ae](mailto:info@cna.ae)

Website: [cicpa.ae](http://cicpa.ae)

**Command and Control - Security Department, Ports, Customs, and  
Free Zone Corporation (PCFC)**

Telephone: +971 (0)56 4043333 (WhatsApp, H24)

+971 800990 (Related queries and support)

E-mail: [command.control@pcfc.ae](mailto:command.control@pcfc.ae)

[info@pcfc.ae](mailto:info@pcfc.ae) (Related queries and support)

Website: [www.pcfc.ae](http://www.pcfc.ae)

**SECTION – IX**  
**CORRECTIONS TO MISCELLANEOUS NAUTICAL PUBLICATIONS**

NIL

## SECTION – X

### 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@nic.in](mailto:msis-inho-navy@nic.in), [inho-navy@nic.in](mailto:inho-navy@nic.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 recognized 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.

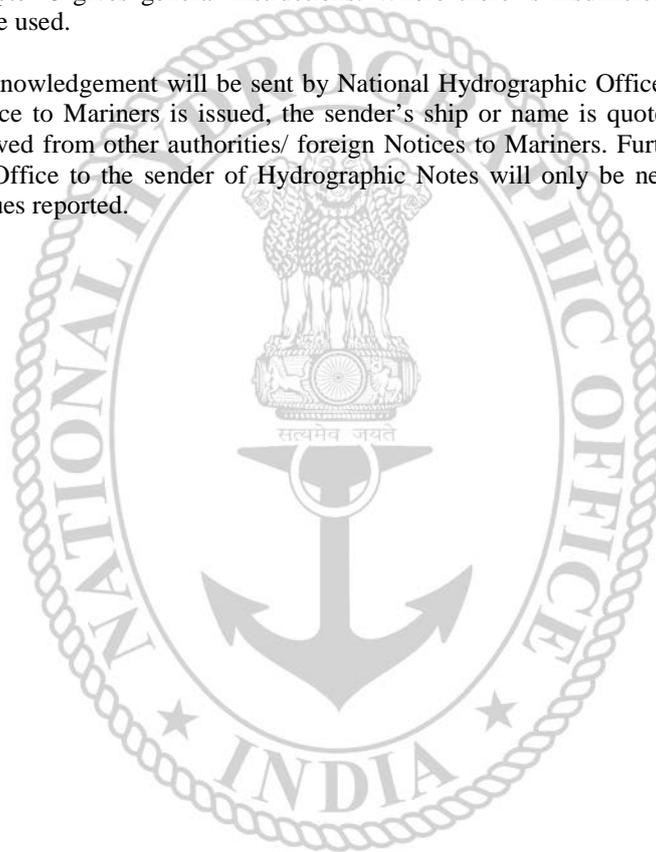
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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

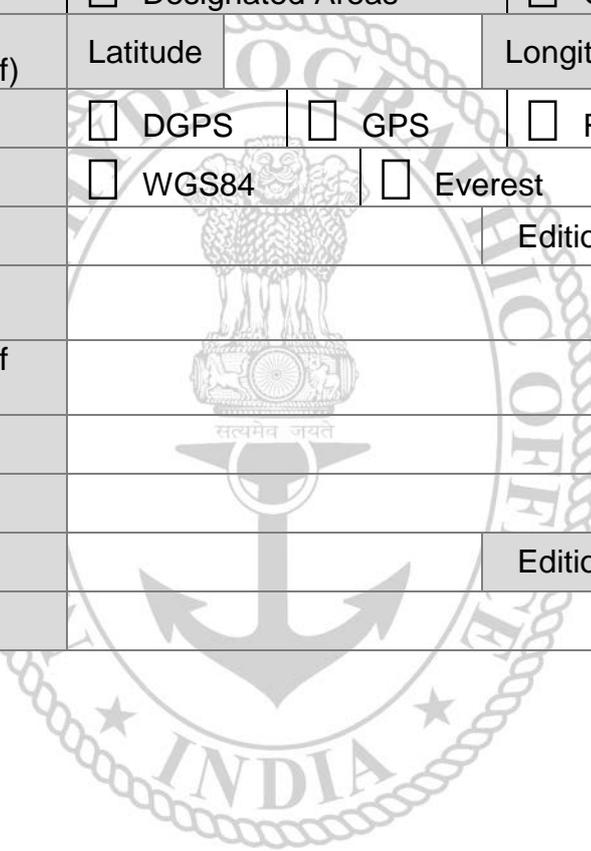
8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

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					

HYDROGRAPHIC NOTE FOR PORT INFORMATION (To accompany Form IH.102)											IH.102-A (Revised 2024)											
Date			D	D	M	M	Y	Y	Y	Y	Ref. No.											
Name of the Ship, Port or Sender																						
Mailing Address			Office Name																			
			Flat/ Room No.																			
			Building																			
			Street																			
			Landmark/ Locality																			
			City																			
			State																			
			Country																			
			ZIP/ Pin Code																			
Contact Details (with ISD country code)			Tel:		+																	
			Fax:		+																	
			Mobile:		+																	
Email id																						
<b>Explanatory Notes for filling up the IH.102-A (Revised 2024)</b> <ol style="list-style-type: none"> <li>All positional details be referred to WGS 84 in Latitude and Longitude, example: DD° MM' SS".SS (N/S), DDD° MM' SS".SS (E/W).</li> <li>All time details to be in format him.</li> <li>Clearly state the Time Zone adopted for field observations/ recording of data. Examples:- 00:00, UTC, GMT or +05:30 (IST) or ±hh:mm (LMT/ National Time Zone).</li> <li>Where applicable relevant data files may be shared in .txt, .pdf, .csv, files in the prescribed format.</li> <li>The photographs being forwarded be duly annotated, highlighting the object/ features to be referred for charting purpose and disseminating information to mariner as part of Sailing Directions.</li> <li>All diagrams are to be prepared with relevant Chart/ ENC in background where available.</li> <li>Where relevant, the diagrams, pictorial representation being forwarded are to be prepared with latest geo referenced satellite image in the background, appending the details, highlighting the information with adequate annotations for ready reference as visual representation.</li> </ol>																						



<b>HYDROGRAPHIC NOTE FOR PORT INFORMATION</b> (To accompany Form IH.102)	<b>IH.102-A</b> (Revised 2024)
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<b>1. NAME OF PORT</b>			
Port Location (WGS 84)	Latitude	DD° MM' SS".SS (N/S)	
	Longitude	DDD° MM' SS".SS (E/W)	
<b>2. GENERAL REMARKS</b>			
(a) Principal activities and trade			
(b) Number of ships and tonnage handled per year			
(c) Copy of Port handbook (if available)			
<b>3. ARRIVAL INFORMATION</b>			
(a) Notice of ETA required	At least ____ hours, prior to ETA, followed by ____ hours; confirmation or amendment must be made not less than ____ hours prior to arrival)		
(b) Port Radio VHF channel	Vessels arriving must establish VHF contact to Harbour Control on VHF channel _____, _____ hours before vessel arrival to pilot boarding ground.		
<b>4. ANCHORAGES</b>			
(a) Type/ Purpose (Describe Category of anchorage: Unrestricted anchorage, deep water anchorage, tanker anchorage, or any other specific category and limits for each separately.			
(b) Recommended Anchorage Area Limits	Limit	Position in WGS 84	
		Lat (N/S)	Long (E/W)
	A	DD°MM'SS".SSS	DDD°MM'SS".SSS
	B	DD°MM'SS".SSS	DDD°MM'SS".SSS
	C	DD°MM'SS".SSS	DDD°MM'SS".SSS
	D	DD°MM'SS".SSS	DDD°MM'SS".SSS
	Positions of all nodes of the polygon with diagrammatic representation on background of relevant Chart/ ENC.		
(c) Minimum depth at anchorage in Meters and Decimeters (mm.mm) and Max LOA with draught allowed for anchoring	Minimum depth in anchorage area (m)	Max LOA allowed for anchoring (m)	Max Draught allowed for anchoring (m)
(d) A brief (if any) on Shelter afforded, Holding ground, recommended pilotage to the anchorage			
(e) <b>Restrictions:</b> anchoring prohibited, trawling prohibited, entry prohibited, discharging prohibited, and, or any other specific category Information, provide details for each <b>separately</b>	Limit	Position in WGS 84	
		Lat (N/S)	Long (E/W)
	A	DD°MM'SS".SSS	DDD°MM'SS".SSS
	B	DD°MM'SS".SSS	DDD°MM'SS".SSS
	C	DD°MM'SS".SSS	DDD°MM'SS".SSS
	D	DD°MM'SS".SSS	DDD°MM'SS".SSS
	Positions of all nodes of the polygon with diagrammatic representation on background of relevant Chart/ ENC.		

5. PILOTAGE						
(a) State the Authority, to whom the request for Pilotage to be addressed (email id, telephone and Fax number).						
(b) Provide brief on Category of Pilot Boarding place: <b>boarding by pilot-cruising vessel, boarding by helicopter, pilot comes out from shore.</b>						
(c) Provide Pilot Boarding position in WGS 84,	Position	Lat (N/S)		Long (E/W)		
	A	DD°MM'SS".SSS		DDD°MM'SS".SSS		
	B	DD°MM'SS".SSS		DDD°MM'SS".SSS		
(d) Provide details of Pilot Boat and attach photographs	Pilot Boat Name		Pilot Boat Colour and LOA		Pilot Boat VHF Channel	
(e) Regulations						
(f) List of Documents to be provided by ships/ mariners calling the port						
(g) Recommended pilotage to approach of Harbour.						
(h) Information on VTMS						
6. DIRECTIONS						
(a) Entry and Berthing Information						
(b) Height of Tides (m.mm) during Springs (if available)	MHWS/ MHHW			MLWS/ MLLW		
(c) Seasonal Tidal Stream Information (if available)	Flood Rate (maximum)			Direction (Azimuth)		
				DDD°		
	Ebb Rate (maximum)			Direction (Azimuth)		
			DDD°			
(d) Seasonal Wind Speed and Direction	Month	Wind Speed (Knots)	Direction/ Azimuth	Month	Wind Speed (Knots)	Direction/ Azimuth
	Jan		DDD°	Jul		DDD°
	Feb		DDD°	Aug		DDD°
7. POLLUTION CONTROL						
(a) Compliance with MARPOL regulations, give details						
(b) Local regulation in force (If Any)						
8. TUGS						
(a) Number available / Tug type (Provide photographs and details such as registration number, call signs as an attachment to this document).	<u>Ser.</u>	<u>Tug Name</u>	<u>Tug Type</u>	<u>Max HP / Bollard pull</u>	<u>VHF Channel</u>	
(b) State the Authority, to whom the request for Tugs is to be addressed to along with email id, telephone number and FAX number as applicable.						
(c) Availability timings						
9. BERTHING AND WHARVES						
(a) Type & Number of berths available. Provide diagrammatic representation on background of relevant Chart/ ENC/CAD diagram if available	<u>Ser.</u>	<u>Berth Name/ Number</u>	<u>Length (m)</u>	<u>Lay (Azimuth) (DDD°-DDD°)</u>	<u>Least Depth Alongside (mm.mm)</u>	<u>Facilities available</u>

(b) State the Authority, to whom the request for Berthing is to be addressed to including telephone number, email id, FAX number as applicable, prior notice required for berthing and procedure for requesting berth with hiring charges							
<b>10. CARGO HANDLING</b>							
(a) Containers							
(b) Lighters & Ro-Ro etc.							
<b>11. CRANES</b>							
*[Provide details of Category of Crane: <b>container crane/gantry, Sheerlegs, travelling crane, A-frame</b> Colour pattern: <b>horizontal stripes, vertical stripes, diagonal stripes, Squared, stripes, border stripe for each separately</b> ]. Where applicable attach diagrammatic representation on relevant Chart/ ENC and also forward photographs with annotation.							
(a) Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	<u>Ser.</u>	<u>Crane Location on Berth/ Wharf</u>	<u>*Category of Crane</u>	<u>Max Lifting Capacity</u>	<u>Height of Boom at Berth/ wharf level</u>	<u>Outreach</u>	
(b) Provide Container handling facilities							
(c) State the Authority, to whom the request for Cranes is to be addressed to with contact information including email, Telephone and FAX numbers as applicable and Procedure							
<b>12. BRIDGES</b>							
*[Category of Bridge: <b>fixed bridge, opening bridge, swing bridge, lifting bridge, bascule bridge, pontoon bridge, draw bridge, transporter bridge, foot bridge, viaduct, aqueduct, suspension bridge</b> : Colour pattern: <b>horizontal stripes, vertical stripes, diagonal stripes, Squared, stripes (direction unknown)</b> . Vertical Clearance: <b>from MHHW/MHWS</b>							
Vertical clearance (Provide diagrammatic representation of Bridges on background of relevant Chart/ ENC, with Start and End of Positions of Bridges, duly annotated with names as an attachment)	<u>Ser.</u>	<u>Bridge Name</u>	<u>*Category of Bridge</u>	<u>Bridge Lay (Azimuth) (DDD°-DDD°)</u>	<u>Bridge Length (m)</u>	<u>Vertical Clearance (m)</u>	<u>Min and Max depths below Bridge</u>
<b>13. REPAIR FACILITIES – describe facilities available with all relevant information</b>							
(a) Hull machinery and underwater							
(b) Ship and Boat yards							
(c) Docking or Slipway facilities (Size/ Dimensions of vessels handled/ tonnage)							
(d) Hards and Ramps							
(e) Divers/ Diving assistance							
<b>14. SERVICES</b>							
(a) Radio / FAX / Telephone / Internet etc.							
(b) Medical							
(c) Quarantine							
(d) Consul							
(e) Ship chandlery and Stevedores							
(f) Compass adjustment							
(g) Tank cleaning							
(h) Hull painting							

(i) Nearest Police Station	Address	
	Telephone No.	
(j) Nearest Hospital	Address	
	Telephone No.	
	Details of Health Care and Lab Services	
(k) Ambulance	Telephone No.	
(l) Firefighting (Fixed and Mobile facilities) with telephone numbers		
(m) Nav. Warning and Weather bulletin		
(n) Garbage disposal / Waste oil disposal		
(o) Helicopter landing facilities. If available provide position details of Helipad with a diagrammatic representation on relevant Chart/ ENC		
<b>15. RESCUE &amp; DISTRESS</b>		
Salvage, Lifeboat, Life guards, etc		
<b>16. SUPPLIES</b>		
(a) Fuel (Type, Quantities & Method of delivery)		
(b) Fresh water (Method of delivery and Rate of supply)		
(c) Provisions		
(d) Chart agents		
<b>17. COMMUNICATIONS</b>		
(a) Road, Rail and Air services available		
(b) Nearest airport or airfield		
(c) Port Radio and Information Service (Frequencies and Operating Hours)		
<b>18. SECURITY</b>		
(a) Security of ports / International Ship and Port Facility Security (ISPS) compliance		
(b) Custom and Immigration Regulations in force		
<b>19. SMALL CRAFT FACILITIES</b>		
(a) Information and facilities for small craft, yachts visiting the port		
(b) Yacht clubs, berths etc		
<b>20. SHORT LEAVE</b>		
<b>21. CLUBS RECREATION</b>		
(a) Information Kiosk (Location)		
(b) Foreign Exchange firms / Banks (within / near Port Area)		
(c) Places of interest near port		
<b>22. VIEWS</b>		
Annotated Photographs of the approaches, leading marks, the entrance to the harbour etc in soft copy if available.		
<b>23. BATHYMETRY DATA (IF PROVIDED)</b>		
(a) To be forwarded in 'XYZ/ASCII' format (#, *) with time stamp (&)	& - Time Stamp	hh:mm:ss
	# - Position WGS 84 Latitude, Longitude	DD°MM'SS".SSS N, DDD°MM'SS".SSS E
	* - Depth (Metres and decimeters)	mm.mm

&, #, *	Example of data string (hh:mm:ss, DD° MM' SS".SSS N, DDD° MM' SS".SSS E, mm.m) Digital data file to be forwarded separately.			
(b) Time zone	+(hh:mm)			
(c) Sounding Accuracy ( $\pm$ m.mm) achieved if ascertained				
(d) Latest survey data being forwarded to include the following				
(i) Limits of surveyed area	Limit Point	Position in WGS 84		
		Lat (N/S)	Long (E/W)	
	A	DD°MM'SS".SSS	DDD°MM'SS".SSS	
	B	DD°MM'SS".SSS	DDD°MM'SS".SSS	
	C	DD°MM'SS".SSS	DDD°MM'SS".SSS	
D	DD°MM'SS".SSS	DDD°MM'SS".SSS		
Positions of all nodes of the surveyed area polygon. A diagrammatic representation with relevant Chart/ ENC/ Satellite image to be forwarded along with survey data				
(ii) Scale of survey (Resolution)				
(iii) Details of positioning equipment and update rate of positioning data (DGPS/ RTK), min and max positional outages ( $\pm$ m.mmm) observed during survey and provide a scatter plot)	Positioning System (GPS/ DGPS/ RTK)	Make/ Model of equipment	Position update rate	Maximum Outages in time/ distance if any
(iv) Details of sounding equipment (Multibeam/ Singlebeam) Frequency used for sounding	Make Model of Echosounder	Frequency Used (hz)	Depth update rate	Any filters/ gates applied
(v) Details of certified Hydrographic Surveyors employed	Ser.	Name	Designation	Hydrographic Certification
	Certified by which Organisation			
(vi) Provide diagrammatic representation with relevant Chart/ ENC/ CAD diagram if available in background with positional details earmarking the following:-				
(aa) Limits of Turning Circles	Position of Centre of Circle		Radius of Circle in metres	
(ab) Dimensions, length and direction of approach Channels	<b>Channel</b>	<b>Azimuth/ Lay</b>		<b>Width of the Channel (m)</b>
	A	DDD°- DDD°		
	B	DDD°- DDD°		
	C	DDD°- DDD°		
(ac) Designation of channels, Channel 'A' and 'B' (Primary/ alternate or multiple)				
(ad) Dredged area with depths achieved in the designated Channels	<b>Channel</b>	<b>Dredged Depth/ Minimum Depth Maintained at all times (mm.mm)</b>	<b>Limits of Channel Positions in WGS 84</b>	<b>Dredged Date</b>
	A		From	DD-MMM-YYYY

			DD° MM' SS".SSS N/S, DDD° MM' SS".SSS E/W To DD° MM' SS".SSS N/S, DDD° MM' SS".SSS E/W	
	B		From DD° MM' SS".SSS N/S, DDD° MM' SS".SSS E/W To DD° MM' SS".SSS N/S, DDD° MM' SS".SSS E/W	DD-MMM-YYYY
(ae) Self explaining annotations and legend as applicable	Diagrammatic representation of layout on relevant Chart/ ENC/ satellite/CADE image background if available			
<b>24. HORIZONTAL CONTROL</b>				
Geodetic Control Stations established by Survey of India in Port Premises.	<b>Details of Horizontal Control - Reference Station</b>			
	(a) Name of ITRF/ GCP/ Reference Station with Authority letter if available			
	(b) Description of the Reference Station along with photograph if available			
	(c) Position in WGS 84 datum if available	Latitude	DD° MM' SS".SSS (N/S)	
		Longitude	DDD° MM' SS".SSS (E/W)	
Ellipsoidal Ht		mm.mmm (metres)		
<b>25. VERTICAL CONTROL</b>				
Benchmark/ Local Bench Mark established by Survey of India in Port Premises	<b>Details Required</b>		<b>Data, Description and Remarks</b>	
	(a) Name and description of Benchmark along with authority			
	(b) Photographs in soft copy if available			
	(e) Position in WGS 84 Datum			
	Latitude		DD° MM' SS".SSS (N/S)	
	Longitude		DDD° MM' SS".SSS (E/W)	
	Ellipsoidal Ht		mm.mmm (metres)	
(d) Height of Bench Mark above Sounding/ Chart Datum mm.mmm (value in meters)				
<b>26. TIDE GAUGE</b>				
Pertains to tide gauge employed for tide observation. The details to be included area as follows:-	<b>Details of Tide Gauge</b>			
	<b>Details Required</b>		<b>Data, Description and Remarks</b>	
	(a) Type of Tide gauge used for observations			
	(i) Manual Tide Gauge Type(Flat/ Round Tide Pole)/ATG			
	(ii) Position of Tide Gauge		Latitude DD° MM' SS".SSS (N/S)	
			Longitude DDD° MM' SS".SSS (E/W)	
	(iii) Resolution of Tide Gauge			
	(iv) Level of Zero of Tide gauge with respect to Benchmark			
	(v) Level of Zero of Tide gauge with respect to Sounding/ Chart Datum			
	(b) Calibration details of ATG provide by OEM (Provide a copy as attachment)		Calibration Date	
			Valid up to	
	(c)Details offset/ reduction values if any.			
(d) State whether tide observations carried out round the clock or for duration of survey				

(e) State the tide observations interval (Example 1min, 5 min, 10 min, 15 min etc).	___ Minutes
(f) State whether the observed tides were compared with predicted tides if any. If yes please provide relevant comparison with tables of difference and tide graphs	
(g) State whether the time used is Local Mean Time/ UTC	IST/ UTC (Time Zone $\pm$ him)
(h) State whether, the clocks of ATG/ manual tide observation team and survey systems were regularly synchronised	Yes / No
(i) State whether regular periodic check leveling was undertaken to rule out shift in tide gauge (ATG/ manual) and change in zero of tide gauge level with respect to Chart Datum/ Benchmark.	
(j) Attach a diagram representing relation between the Chart Datum, Local Bench Mark and Zero of Tide Gauge or Reference level of ATG as applicable.	

**27. TIDE OBSERVATION BE FORWARDED IN FORMAT**

Tide observed data is to be forwarded in the format given. The details to be included area as follows:-

<b>Observed Tide</b>					
<u>Date</u> DD-MMM- YYYY	<u>Time</u> (IST/UTC ) HH:MM: SS	<u>Height of Tide (HoT<sub>Obs</sub>) m</u>  Observed on gauge (m.mm m metres )	<u>Reduction applied with respect to value of Zero of tide gauge above / below Chart Datum.</u> + if above Chart Datum - if below Chart Datum (m.mmm metres)	<u>Corrected/ Reduced Tide with respect to Chart Datum HoT</u> <u>Reduced</u> (m. mm metres)	<u>Smoothed and Reduced tide used for correcting observed soundings</u> <u>HoT</u> <u>Applied</u> (m.mmm metres)
DD-MMM- YYYY	HH <sub>1</sub> :MM <sub>1</sub> :SS <sub>1</sub>	m.mm m <sub>1</sub>	m.mmm <sub>r</sub>	m.m mm <sub>c</sub> 1	m.mmm actual1
DD-MMM- YYYY	HH <sub>2</sub> :MM <sub>2</sub> :SS <sub>2</sub>	m.mm m <sub>2</sub>	m.mmm <sub>r</sub>	m.m mm <sub>c</sub> 2	m.mmm actual2
DD-MMM- YYYY	HH <sub>2</sub> :MM <sub>2</sub> :SS <sub>2</sub>	m.mm m <sub>2</sub>	m.mmm <sub>r</sub>	m.m mm <sub>c</sub> 3	m.mmm actual3
DD-MMM- YYYY	HH <sub>n</sub> :MM <sub>n</sub> :SS <sub>n</sub>	m.mm m <sub>n</sub>	m.mmm <sub>r</sub>	m.m mm <sub>c</sub> n	m.mmm actualn

28. PORT LIMITS				
Pertains to Port Limit authorized vide Govt. of India gazette. (Copy of gazette to be enclosed), as follow	<b>Port Limits (WGS-84)</b>			
	<b>Ser.</b>	<b>Latitude(N/S)</b>	<b>Longitude (E/W)</b>	<b>Remarks (Brief Description if any)</b>
	(a)	DD°MM' SS".SSS	DDD°MM' SS".SSS	Start point on shore line (landward)
	(b)	DD°MM' SS".SSS	DDD°MM' SS".SSS	Seaward point
	(c)	DD°MM' SS".SSS	DDD°MM' SS".SSS	Seaward point
(d)	DD°MM' SS".SSS	DDD°MM' SS".SSS	End□ point on shore line (landward)	
29. DETAILS OF DUMPING GROUND				
(a) Name of the dumping ground with details regarding *category of Dumping ground: chemical waste dumping ground, nuclear waste dumping ground, explosives dumping ground, spoil ground, vessel dumping ground. <b>Details for each dumping ground be provided separately</b>	Name of Dumping Ground		*Category of Dumping Ground	
(b) Area and limits of the dumping ground	<b>Limits and Area of Dumping Ground</b>			
	<b>Ser.</b>	<b>Latitude (N/S)</b>	<b>Longitude (E/W)</b>	<b>Remarks (Brief Description if any)</b>
	(a)	DD°MM'SS".SSS	DDD°MM'SS".SSS	
	(b)	DD°MM'SS".SSS	DDD°MM'SS".SSS	
	(c)	DD°MM'SS".SSS	DDD°MM'SS".SSS	
(d)	DD°MM'SS".SSS	DDD°MM'SS".SSS		
(c) Least known depth	Least Depth Observed date			
	Specify the means by which least depth was ascertained (Example singlebeam sounding, multibeam survey, wire drag etc)			
	Confirm whether the Least depth observed is corrected for tide and referred to chart datum			
	List Restrictions in dumping ground: anchoring prohibited, trawling prohibited, entry prohibited, discharging prohibited, and, or any other specific category.			
30. DETAILS OF FOUL AREA				
(a) Nomenclature of the foul area with *Category of Obstruction: snag/stump, diffuser, Crib, fish haven, foul area, foul ground, ice boom, ground tackle, boom	Nomenclature of Foul Area		*Category of Foul Area	
(b) Area and limits of the foul area. Provide details of each foul ground/ area separately.	<b>Limits and Area of Foul Area</b>			
	<b>Ser.</b>	<b>Latitude (N/S)</b>	<b>Longitude (E/W)</b>	<b>Remarks (Brief Description if any with debris and seabed sample)</b>
	(a)	DD°MM'SS".SSS	DDD°MM'SS".SSS	
	(b)	DD°MM'SS".SSS	DDD°MM'SS".SSS	
	(c)	DD°MM'SS".SSS	DDD°MM'SS".SSS	
(d)	DD°MM'SS".SSS	DDD°MM'SS".SSS		
(c) Least known depth	Least Depth Observed date and Time			
	Specify the means by which least depth was ascertained (Example singlebeam sounding, multibeam survey, wire drag etc)			

	Confirm whether the Least depth observed is corrected for tide and referred to chart datum		
<b>31. DETAILS OF DRY DOCK AREA</b>			
To include the following:-			
(a) Nomenclature of the Dry Dock. *Category of Dock area: tidal, non-tidal (wet dock)	<b>Nomenclature of the Dry Dock</b>	<b>Category of Dock area</b>	
(b) Area and limits of the Dry Dock. Provide details of each dock separately.	<b>Dry Dock Limits</b>		
	<b>Ser.</b>	<b>Latitude (N/S)</b>	
		<b>Longitude (E/W)</b>	
		<b>Remarks (Brief Description if any)</b>	
	(a)	DD°MM' SS".SSS	
	(b)	DD°MM' SS".SSS	
	(c)	DD°MM' SS".SSS	
	(d)	DD°MM' SS".SSS	
(c) Details of the Dry Dock Gate			
(d) Depth at the entry gate			
(e) Any other significant information			
<b>32. RELEVANT DRAWINGS OF THE PORT AREA/ DRY DOCKS ETC.</b>			
<b>33. AIDS TO NAVIGATION</b>			
<p>(a) <b>Detail of buoys</b> *Cardinal, Installation, isolated danger, lateral, safe water special purpose.</p> <p>§Conical/nun/ogival, can/cylindrical, Spherical, Pillar, spar/spindle, Barrel, super-buoy, ice buoy.</p> <p>%Can, Cone, sphere etc</p>	<b>Buoys</b>		
	<b>Details Required</b>		<b>Data, Description and Remarks</b>
	(a) Name of Buoy		
	(b) *Category of buoy		
	(c) Number		
	(d) Colour		
	(e) Position of buoy in WGS 84		
	Latitude	DD° MM' SS".SSS (N/S)	
	Longitude	DDD° MM' SS".SSS (E/W)	
	(f) Purpose of buoy (Example IALA buoy fairway, safe water mark)		
	(g) §Type of Structure		
	(h) %Top Mark		
	(i) Identification by day Shape and colour		
(j) Identification by night (Characteristics of the light and Colour of light)			
(k) <u>Photography</u> . Attach two photographs with the Buoy in centre focus and other with relevant prominent features			
<b>Details of transit marks/ beacons</b>			
(b) Fwd transit mark position	DD°MM' SS".SSS N/S, DDD°MM' SS".SSS E/W		
(c) Fwd transit Name, Number			
(d) Fwd transit mark structure			
(e) Fwd transit mark shape			
(f) Fwd transit mark colour			
(g) Fwd transit mark top mark shape for day			
(h) Fwd transit mark top mark and colour for day identification			
(i) Fwd transit mark top mark light colour and characteristics for night identification			
(j) Aft transit mark position	DD°MM' SS".SSS N/S, DDD°MM' SS".SSS E/W		

(k) Aft transit Name, Number		
(l) Aft transit mark structure		
(m) Aft transit mark shape		
(n) Aft transit mark colour		
(o) Aft transit mark top mark shape for day		
(p) Aft transit mark top mark and colour for day identification		
(q) Aft transit mark top mark light colour and characteristics for night identification		
(r) Line of bearing of Transit Azimuth	DDD°MM'SS".SSS	
(s) Shape of Beacon		
(t) Colour of Beacon		
(u) Port signal mast position		
(v) Fixing marks (Jetty light, structures, building, conspicuous object)		
<b>34. DRONE IMAGERY OF THE PORT AREA IF AVAILABLE</b>		
<b>SIGNATURE OF THE OBSERVER / REPORTER / MASTER</b> With Contact details including email id, Fax and Telephone number as applicable.	<b>Sign</b>	
	<b>Name</b>	
	<b>Designation</b>	
	<b>Telephone No.</b>	
	<b>FAX No.</b>	
	<b>Email id</b>	
	<b>Address</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)**

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