

# INDIAN NOTICES TO MARINERS



EDITION NO. 10 DATED 16 MAY 2023

(CONTAINS NOTICES 099 TO 103)

REACH US 24 x 7



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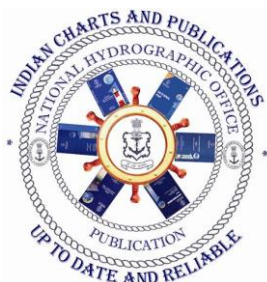
[www.hydrobharat.gov.in](http://www.hydrobharat.gov.in)

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

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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 IX with this notice. Also visit our website for downloading and filling up instructions for Hydrographic Note.

**Chief Hydrographer  
to the Government of India**

### **WARNING AGAINST USE OF COUNTERFEIT PRODUCTS**

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

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

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

### III

## **EXPLANATORY NOTES**

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

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

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

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

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

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

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

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

**Radio Navigational Warnings.**

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

## IV

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

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

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

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

**Use of Global Positioning System (WGS 84) positions.**

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

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

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

## **NEWLY PUBLISHED INDIAN CHARTS, ENCs AND PUBLICATION**

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2508	31-03-2023	AGALEGA JETTY 10° 21'.40S; 056° 33'.65E. 10° 20'.10S; 056° 35'.35E.	5,000	1	Rs. 2000.00

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

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

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

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

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN62508A	2508	AGALEGA JETTY	12-05-23

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

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

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

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

7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2025	RELIANCE TANKER BERTHS	7,500	NEW CHART
2596	KULHUDHUFFUSHI ANCHORAGES	25,000	NEW CHART
2695	WESTERN APPROACHES TO PEMBA ISLAND	50,000	NEW CHART
302	SAGAR ISLAND TO DHAMRA PORT	1,50,000	NEW CHART

## VI

<b>303</b>	<b>DHAMRA PORT TO PARADIP PORT</b>	<b>1,50,000</b>	<b>NEW CHART</b>
<b>3030</b>	<b>BHIMUNIPATNAM ANCHORAGE</b>	<b>12,500</b>	<b>NEW EDITION</b>
	<b>APPROACHES TO BHIMUNIPATNAM</b>	<b>25,000</b>	<b>NEW EDITION</b>
<b>315</b>	<b>PALK STRAIT</b>	<b>1,25,000</b>	<b>NEW EDITION</b>

### Availability of ENC's

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

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

**SECTION – I**

The list of charts affected by the Notices 099 to 103 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	103 (T)
31 (INT 756)	5	103 (T)
32 (INT 754)	5	103 (T)
33 (INT 755)	5	103 (T)
291	2	103 (T)
308 (INT 7409)	5	101
315	5	103 (T)
316	5	103 (T)
354 (INT 7408)	5	101
358 (INT 7394)	5	103 (T)
2008	3	100
2009	3	100
2010	3	099, 100
2512	1	102
7070 (INT 70)	1	103 (T)
7071 (INT 71)	1	103 (T)
7072 (INT 72)	1	103 (T)
7073 (INT 73)	1	103 (T)
7508 (INT 508)	1	103 (T)
7701 (INT 701)	1	103 (T)
7702 (INT 702)	1	103 (T)
7703 (INT 703)	1	103 (T)
7705 (INT 705)	1	103 (T)
7706 (INT 706)	1	103 (T)
7707 (INT 707)	1	103 (T)
7708 (INT 708)	1	103 (T)

**SECTION – II****PERMANENT NOTICES**

**\*099 (10/23) INDIA – WEST COAST – Karwar Naval Harbour – Cautionary Note.**

Source: NHO, Dehradun.

**Chart 2010** [previous update 074/23]

Insert Cautionary Note, centered on;

14° 45′.81N., 074° 10′.99E.

**\*100 (10/23) INDIA – WEST COAST – Karwar Naval Harbour – Buoys.**

Source: HQKNA, Karwar.

**Chart 2009** [previous update 100/18]

Amend characteristics to *Fl(3)R.15s*

14° 44′.42N., 074° 07′.40E.

**Chart 2008** [previous update 091/23]

characterstics to *Fl(3)R.15s*

14° 44′.42N., 074° 07′.32E.

characterstics to *Fl(3)G.15s*

14° 45′.01N., 074° 07′.68E.

Amend

characterstics to *Fl.R.5s*

14° 45′.00N., 074° 07′.31E.

characterstics to *Fl.G.5s*

14° 45′.63N., 074° 07′.68E.

**Chart 2010** [previous update 099/23]

characterstics to *Fl(3)R.15s*

14° 44′.41N., 074° 07′.37E.

characterstics to *Fl(3)G.15s*

14° 45′.02N., 074° 07′.64E.

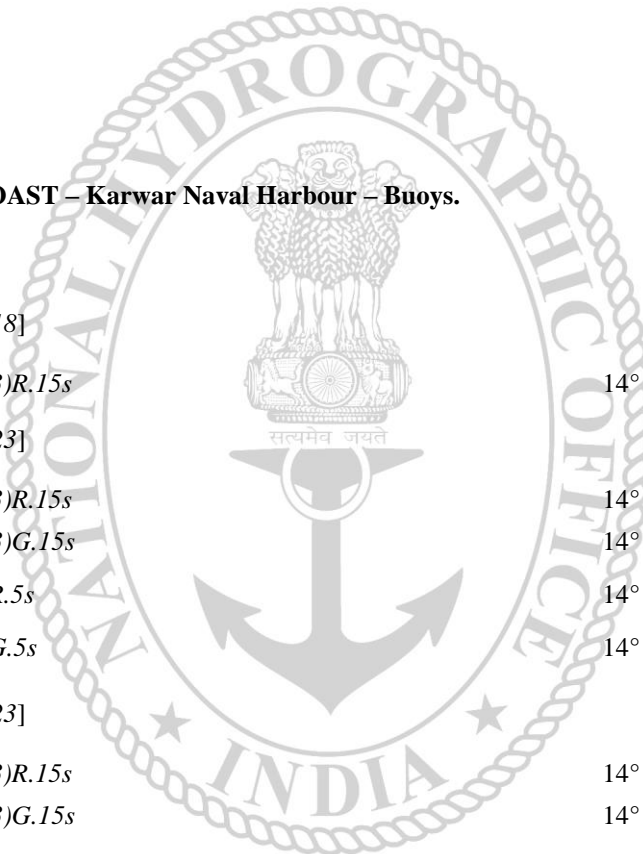
Amend

characterstics to *Fl.R.5s*

14° 44′.99N., 074° 07′.37E.

characterstics to *Fl.G.5s*

14° 45′.63N., 074° 07′.64E.





**\*101 (10/23) INDIA – EAST COAST – Outer Approaches to Visakhapatnam – Port Limit and Legend.**

Source: The Andhra Pradesh Gazette No. 383/2023.

**Chart 354 (INT 7408)** [previous update 183/22]

port limit, —————, joining

Insert

Legend, “Limit of Port of Rambilli”

17° 28′.00N., 082° 59′.10E.

17° 17′.25N., 083° 04′.35E.

17° 10′.90N., 082° 50′.35E.

17° 22′.00N., 082° 45′.60E.

17° 15′.00N., 082° 56′.20E.

**Chart 308 (INT 7409)** [previous update 183/22]

port limit, —————, joining

Insert

Legend, “Limit of Port of Rambilli”

17° 28′.00N., 082° 59′.10E.

17° 17′.25N., 083° 04′.35E.

17° 17′.00N., 082° 47′.74E.

17° 17′.00N., 083° 03′.80E.

17° 22′.00N., 082° 45′.60E.

17° 20′.00N., 082° 46′.86E.

17° 21′.15N., 083° 02′.02E.

*102 (10/23)	Miscellaneous updates to charts.	
Source: NHO, Dehradun.		
Chart No.	Previous Updates	Details
2512 (INT 77396)	NC 31 Jan 2017	Insert Chart No. 2508 and Magenta limit as follows: 10° 21′.40S., 056° 33′.65E. 10° 21′.40S., 056° 35′.35E. 10° 20′.10S., 056° 35′.35E. 10° 20′.10S., 056° 33′.65E. 10° 21′.40S., 056° 33′.65E.

**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).

**103 (T) (10/23) 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° 58'.90S., 100° 22'.30E
RA175A	01° 32'.90S., 080° 34'.00E
<b>RA183A</b>	<b>07° 53'.50N., 068° 10'.30E</b>
<b>RA182A</b>	<b>04° 13'.00N., 066° 41'.70E</b>
RA181A	08° 07'.70S., 110° 32'.90E
<b>RA180A</b>	<b>00° 25'.10N., 067° 01'.50E</b>
<b>RA179A</b>	<b>01° 36'.20S., 066° 49'.50E</b>
<b>RA177A</b>	<b>04° 07'.00S., 057° 11'.20E</b>
<b>RA178A</b>	<b>09° 24'.90S., 051° 07'.20E</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
<b>RT036</b>	<b>07° 39'.70S., 070° 47'.70E</b>
<b>RT035</b>	<b>12° 11'.30S., 067° 13'.50E</b>
RT032	25° 06'.80N., 062° 20'.00E

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) - 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 089 (T)/23 is cancelled.**

## **SECTION – IV**

### **MARINE INFORMATION**

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

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

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

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

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

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

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

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

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website [www.iho.int](http://www.iho.int), to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode. Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See [www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html](http://www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html) for further information.

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

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

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

(a) **Safety Fairways:** An area within which permits are not granted for the erection of oil or gas related structures. The use of a safety fairway is not usually mandatory, but is recommended. Safety fairways have been promulgated in and round offshore development area in Arabian Sea up to the Exclusive Economic Zone (EEZ) due to increased weather related marine accidents and dense traffic. These are mandatory for all Indian ships and vessels transiting through the ODA and recommendatory for all foreign flag ships and vessels irrespective of size.

(b) **Traffic Separation Schemes (TSS):** The TSS is mandatory for all Indian and foreign flag ships and vessels entering and leaving.

#### 5. **GAGAN SYSTEM COMMISSIONED FOR OPERATIONS**

The GAGAN System is now commissioned for safety of life, civil aviation, and en- route operations in addition to all other non-aviation applications. The GAGAN signal is being broadcasted through GSAT-8 and GSAT-10 with PRN127& 128 respectively. All the GPS users are requested to enable SBAS functionality in their receivers, configure it to receive PRN- 127& 128 and avail the benefits of GAGAN in terms of increased accuracy and reliability. There may be occasional signal outages due to system up-gradation activities.

#### 6. **USAGE OF THURAYA/ IRIDIUM AND SATELLITE PHONE**

(a) The use of Thuraya, Iridium and other such satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act. It is intimated to all shipping companies/ shipping agents that use of Thuraya/ Iridium and other such satellite phones are banned in Indian waters and seafarers should not use the same.

(b) Satellite phones can be used only after no objections certificate issued by department of telecommunication (DOT) on a case to case basis. The shipping agents should mandatorily intimate the details of person carrying Thuraya and the particulars of Thuraya, Iridium and other such sets in Pre Arrival Notification on Security (PANS).

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

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

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

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

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

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

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

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

### **List of Indian Chart Agents**

<b>OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a>	<b>M/s VDO Marine Instruments</b> Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: <a href="mailto:atmain@md4.vsnl.net.in">atmain@md4.vsnl.net.in</a>
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<b>M/s Zenith Surveys (I) Pvt. Ltd.</b> Lakhani'sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: <a href="mailto:zenithsurveys703@gmail.com">zenithsurveys703@gmail.com</a> <a href="mailto:nyvmane@yahoo.com">nyvmane@yahoo.com</a> Web: <a href="http://www.zenithsurvey.com">www.zenithsurvey.com</a>	<b>M/s CNC</b> Office No. S-12-92, Haware's Centurion Premises Coop. Soc. Ltd Plot no 88-91, Sector 19, NERUL, Navi Mumbai – 400706 Tel: +91 22 22660017/ +91 22 49747575 Cell No: +91 9920654848/ +91 7506097212 Email: <a href="mailto:sales@emariner.net">sales@emariner.net</a>

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

1. All in force NAVAREA and NAVTEX messages are available for visualisation along with details of affected Charts and ENC's for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on [www.hydrobharat.gov.in](http://www.hydrobharat.gov.in).
2. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2020.
3. NAVAREA VIII Warnings in force as on 16 May 23: -

**2021 SERIES** - 286 340 478 658 759 833  
**2022 SERIES** - 049 093 117 118 134 162 180 237 253 259 286 313 391 437 445 446 461 476 497 513 519 536 546 584 601 617 646 651 656 688 757 805 824 856 970 980 997 1011  
**2023 SERIES** - 037 064 071 104 116 144 161 162 172 178 179 205 231 238 239 240 254 272 276 280 307 329 343 344 356 363 369 375 381 386 390 394 401 402 409 410 412 416 424 425 431 438 444 445 455 456 459 461 463 464 465 466 467 468 472 473 474 475 476 477 478 479 480 481 482 483

4. NAVAREA VIII Warnings issued during the period from 01 May 23 to 15 May 23 (both dates inclusive) are as tabulated below: –

<b>422. Indian Ocean.</b> Charts IN 22 32 7706 INT 706. Albatross 5 progressing survey in area bounded by 07-06.29N 075-21.13E, 05-58.89N 077-50.53E, 05-48.99N 077-44.73E, 06-53.64N 075-26.28E. Length of tow 250 meters from stern. Wide berth from area advised. 2. Cancel this MSG 071830 UTC May 23.
<b>423. India West Coast - off Mumbai.</b> Charts IN 21 210 292 INT 7021. Sai Sowbhagya progressing survey in areas bounded by (a) 20-09.90N 071-38.35E, 20-06.70N 071-46.84E, 19-59.21N 071-43.72E, 20-01.73N 071-35.59E (b) 20-13.01N 071-21.98E, 20-11.13N 071-27.50E, 20-05.01N 071-24.72E, 20-06.86N 071-18.52E (c) 20-30.89N 071-45.30E, 20-30.62N 071-46.41E, 20-09.14N 071-40.43E, 20-09.56N 071-39.36E (d) 20-45.07N 071-51.53E, 20-43.95N 071-52.87E, 20-43.21N 071-50.83E, 20-30.62N 071-46.41E, 20-30.89N 071-45.30E, 20-43.96N 071-49.21E. Wide berth requested. 2. Cancel this MSG 111830 UTC May 23.
<b>424. Andaman Sea - off Myanmar.</b> Charts IN 41 7706 INT 706. CS Nusantara explorer progressing cable route survey from 02 May to 12 July 23 along (a) 14-46.41N 096-23.52E, 14-44.85N 096-23.43E (b) 14-42.90N 096-23.37E, 14-41.83N 096-23.26E (c) 14-12.64N 096-21.34E, 14-11.64N 096-21.33E (d) 14-06.63N 096-23.02E, 14-08.87N 096-23.45E (e) 14-07.38N 096-22.41E, 14-06.63N 096-22.10E, 14-07.66N 096-23.05E, 14-07.16N 096-22.41E (f) 14-44.85N 096-23.43E, 14-07.38N 096-22.41E. Wide berth requested. 2. Cancel this MSG 121830 UTC July 23.
<b>425. India West Coast.</b> Charts IN 21 255 292 INT 7021. Rig move. GD Chaaru (18-43.02N 072-19.02E), CE Thronton (19-25.36N 071-33.56E). Refer to 096(T) of INTM 09/23. Wide berth requested.
<b>426. Southern Indian Ocean.</b> Charts IN 7070 7072 INT 72. Space debris predicted in area bounded by 30-58S 064-40E, 28-55S 064-07E, 42-17S 014-03E, 44-19S 014-42E from 04 to 10 May 23 between 0645 UTC and 1338 UTC. 2. Cancel this MSG 101438 UTC May 23.
<b>427. India West Coast.</b> Charts IN 22 217 294 INT 7023. Malpe LT ( 13-20.65N 074-41.09E) not operational.
<b>428. India East Coast.</b> Charts IN 31 32 355 INT 7405. Nagayalanka LT (15-47.11N 080-59.22E) not operational.
<b>429. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. Subsurface firing scheduled from 032330 UTC to 051230 UTC May 23 in danger area bounded within 18-25N to 18-45N and 070-20E to 070-30E. Wide berth from area advised. 2. Cancel this MSG 051330 UTC May 23.
<b>430. Andaman Sea.</b> Charts IN 33 41 7706 INT 706. Eagle explorer progressing seismic survey in vicinity of 08-05.77N 090-30.09E, 08-05.77N 092-04.34E, 10-35.74N 092-04.34E, 10-35.74N 095-13.74E, 07-39.50N 095-13.74E, 06-16.20N 094-24.18E, 04-18.67N 092-43.36E, 03-51.10N 092-09.57E, 04-29.63N 091-20.55E, 05-52.55N 090-30.09E. Tow length 10km. Wide berth requested. 2. Cancel this MSG 131830 UTC May 23.
<b>431. India West Coast.</b> Rig move. GD Chaaru (18-43.05N 072-19.13E), Jindal Supreme (19-32.89N 071-45.60E), Sagar

<b>431. Continued.</b> Uday (19-10.96N 072-11.23E), Jindal Explorer (18-35.99N 071-00.22E). Refer to 096(T) of INTM 09/23. Wide berth requested.
<b>432. Cancel NAVAREA VIII MSG 297/23, 319/23, 324/23, 328/23, 329/23 and this MSG.</b>
<b>433. Bay of Bengal.</b> Charts IN 7071 7073 7706 INT 706. Firing scheduled from 031200 to 062300 UTC May 23 in danger areas bounded by (a) 15-10N 086-06E, 15-10N 088-46E, 14-03N 088-46E, 14-03N 086-06E (b) 08-59N 090-10E, 10-15N 091-10E, 09-10N 091-50E, 08-00N 090-50E. Wide berth from area advised. 2. Cancel this MSG 070001 UTC May 23.
<b>434. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. DSV Wilchief-1 progressing structural work of ONGC Platforms in areas bounded by (a) 19-12N 071-40E, 19-12N 071-54E, 19-15N 071-54E, 19-15N 072-00E, 18-59N 072-00E, 18-59N 071-40E (b) 18-42N 072-11E, 18-42N 072-17E, 18-37N 072-20E, 18-26N 072-20E, 18-26N 072-11E. Wide berth requested. 2. Cancel this MSG 151830 UTC May 23.
<b>435. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7334. Ocean invincible progressing marine route survey along 18-32.88N 071-27.88E, 18-21.35N 070-53.79E, 18-15.60N 070-32.47E, 18-14.20N 070-26.06E, 18-12.76N 070-16.88E, 18-09.30N 068-20.41E. Wide berth requested. 2. Cancel this MSG 141830 UTC May 23.
<b>436. India West Coast - off Mormugao.</b> Charts IN 22 293 7705 INT 752. Firing scheduled from 080230 to 111230 UTC May 23 in danger areas bounded by (a) 15-36N 071-50E, 14-39N 073-40E, 14-00N 074-00E, 13-30N 073-02E, 14-31N 071-24E (b) 17-23N 070-35E, 16-58N 071-25E, 16-24N 072-09E, 14-31N 071-24E, 16-15N 068-37E. Wide berth from area advised. 2. Cancel this MSG 111330 UTC May 23.
<b>437. Cancel NAVAREA VIII MSG 241/23 and this MSG.</b>
<b>438. India West Coast.</b> Charts IN 21 255 292 INT 7021. Rig move. Sagar Ratna (19-15.92N 072-11E), Vivekanand 2 (19-14.62N 070-53.04E). Refer to 096(T) of INTM 09/23. Wide berth requested.
<b>439. India West Coast - Kochi.</b> Charts IN 22 220 259 2004 2029 INT 7356. Firing scheduled on 07 May 23 from 0430 to 0730 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. Wide berth from area advised. 2. Cancel this MSG 070830 UTC May 23.
<b>440. India West Coast - Off Kochi.</b> Charts IN 22 220 259 INT 7356. Firing Scheduled 09 And 10 May 23 From 0500 To 0930 UTC In Danger Area Bounded Within 09-55N To 10-05N And 075-20E To 075-30E. Wide Berth From Area advised. 2. Cancel This MSG 101030 UTC May 23.
<b>441. Andaman Sea - off Barren I.</b> Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled on 09 May 23 from 0745 to 0945 UTC in danger area bounded within 11-50N to 12-00N AND 093-40E TO 094-10E. Wide Berth from area advised. 2. Cancel this MSG 091045 UTC May 23.
<b>442. Andaman Sea.</b> Charts IN 41 472 7706 INT 706. Firing scheduled 09 to 11 May 23 from 0100 to 0530 UTC in danger area bounded within 06-40N to 09-40N and 092-05E to 094-13E. Wide berth from area advised. 2. Cancel this MSG 110630 UTC May 23.
<b>443. Andaman Sea.</b> Charts IN 41 472 4185 INT 7032. Campbell bay (07-00.44N 093-55.08E) DGPS transmission will be switched off from 062330 to 071130 UTC May 23 for maintenance. 2. Cancel this MSG 071130 UTC May 23.
<b>444. India East Coast - off Puducherry.</b> Charts IN 32 357 INT 7397. Oceanic Sirius will carry out seismic survey from 07 May to 06 Jun 23 in area bounded by 11-45.29N 080-40.48E, 11-45.31N 080-08.69E, 11-47.94N 080-02.09E, 12-00.27N 080-02.12E, 12-12.71N 080-08.97E, 12-12.72N 080-40.50E. Tow length 10km. Wide berth requested. 2. Cancel this MSG 061830 UTC Jun 23.
<b>445. India West Coast - off Mumbai.</b> Charts IN 22 256 293 INT 7022. Normand clipper will carry out cable laying operation from 06 to 30 May 23 in vicinity of 17-24.56N 071-59.48E, 17-24.70N 071-58.99E, 17-24.55N 071-59.53E. Wide berth requested. 2. Cancel NAVAREA VIII MSG 401/23 and this MSG 301830 UTC May 23.
<b>446. India West Coast - off Mormugao.</b> Charts IN 22 293 7705 INT 752. Firing scheduled 08 to 13 May 23 from 0230 to 1230 UTC in danger area bounded by 14-38.69N 073-41.36E, 14-28.74N 073-36.36E, 14-15.42N 073-47.28E, 13-55.72N 074-19.80E, 14-01.32N 074-23.16E, 14-24.90N 074-04.08E, 14-38.58N 073-57.24E. Wide berth from area advised. 2. Cancel this MSG 131330 UTC May 23.
<b>447. Cancel NAVAREA VIII MSG 428/23 and this MSG.</b>
<b>448. Bay of Bengal - off Balasore.</b> Charts IN 31 351 7706 INT 7419. IAF exercise scheduled 08 to 12 May 23 from 0430 to 0630 UTC and 0830 to 1030 UTC in danger area bounded by (a) 21-41N 087-44E (b) 20-57N 086-53E (c) 20-12N 087-19E (d) 20-00N 087-59E. Danger area extending upto coastline joining point A and B. Wide berth from area advised. 2. Cancel this MSG 121130 UTC May 23.

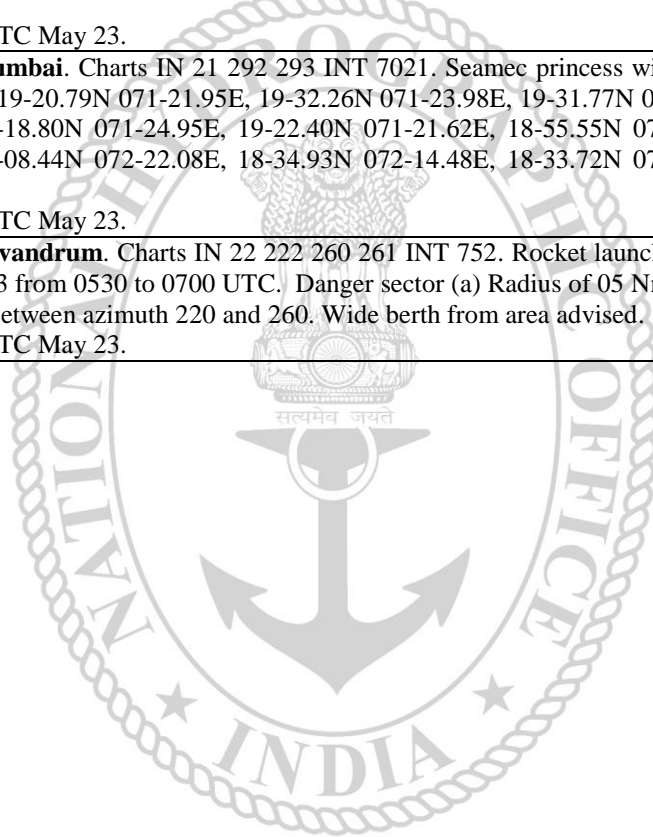


<p><b>449. NAVAREA VIII - Warnings in force as on 04 May 2023</b>  <b>2021 Series</b> - 286 340 478 658 759 833  <b>2022 Series</b> - 049 093 117 118 134 162 180 237 253 259 286 313 391 437 445 446 461 476 497 513 519 536 546 584 601 617 646 651 656 688 757 805 824 856 970 980 997 1011  <b>2023 Series</b> - 037 064 071 104 112 116 126 144 161 162 172 178 179 205 224 231 238 239 240 241 254 272 276 280 307 329 343 344 353 355 356 357 363 369 375 378 381 386 390 391 394 400 401 402 404 409 410 412 416 417 422 423 424 425 426 427 429 430 431 433 434 435 436 438 439 440 441 442 443 444 445 446 447 448  (A) NAVAREA VIII Warnings less than 42 days promulgated via safetynet.  (B) Text of NAVAREA VIII warning in force including those which no longer broadcast available in www.hydrobharat.gov.in  2. Cancel NAVAREA VIII MSG 421/23 and this MSG 121830 UTC May 23.</p>
<p><b>450. Andaman Sea - off Cinque I.</b> Charts IN 405 473 4030 INT 7440. Firing by aircraft scheduled 08 to 12 May 23 from 0045 to 0245 UTC and 0745 to 0945 UTC in danger area bounded by 11-15N 092-30E, 11-20N 092-55E, 11-05N 092-55E, 11-00N 092-30E. Wide berth from area advised.  2. Cancel this MSG 121045 UTC May 23.</p>
<p><b>451. Cancel NAVAREA VIII MSG 427/23 and This MSG.</b></p>
<p><b>452. India West Coast - off Porbandar.</b> Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled on 10 May 23 from 0330 to 0830 UTC in danger area bounded by 21-32N 069-24E, 21-17N 069-24E, 21-17N 069-06E, 21-32N 068-56E. Wide berth from area advised.  2. Cancel this MSG 100930 UTC May 23.</p>
<p><b>453. India East Coast - off Sagar I.</b> Charts IN 31 301 351 INT 7419. Firing by CG aircraft scheduled on 11 May 23 from 0430 to 1030 UTC in danger area bounded within 20-37N to 20-52N and 088-30E to 089-00E. Wide berth from area advised.  2. Cancel this MSG 111130 UTC May 23.</p>
<p><b>454. India West Coast - Okha.</b> Charts IN 21 202 203 2068 INT 7319. Firing scheduled on 10 May 23 from 0630 to 0830 UTC in danger sector extending upto 12 Nm within bearing 305 and 025 from 22-28.75N 069-04.05E. Wide berth from area advised.  2. Cancel this MSG 100930 UTC May 23.</p>
<p><b>455. Andaman Sea - North Passage I.</b> Charts IN 41 473 4001 INT 7031. Cape Portman LT (12-18.57N 092-56.04E) Unlit.</p>
<p><b>456. Andaman Sea - off North Passage I.</b> Charts IN 41 473 4001 INT 7031. Submerged rocks marked by green buoy (12-16.43N 092-53.88E) Red Buoy (12-15.44N 092-54.54E) and beacon (12-21.34N 092-55.84E) Demarcating shallow depth observed.</p>
<p><b>457. Cancel NAVAREA VIII MSG 442/23 and this MSG.</b></p>
<p><b>458. India West Coast.</b> Charts IN 22 215 216 293 (INT 7022). Belekeri LT (14-42.62N 074-14.36E) not operational.</p>
<p><b>459. India West Coast - off Daman.</b> Charts IN 21 210 255 292 INT 7334. Seismic survey being progressed by crest Argus 2, Voyager Explorer, Trinidad-1 and Victoria-1 with node deployment vessel Stanford Buzzard, Stanford Hawk, Pinging vessel Mat Mercury, Raafi, Parasea Two, Nand Sarathi and survey vessel Genesis in area bounded by 20-15.38N 071-44.47E, 20-15.31N 071-58.95E, 20-38.87N 072-27.96E, 20-54.83N 072-28.02E, 20-54.93N 071-44.48E. Wide berth of 05 Nm requested.  2. Cancel this MSG 071830 UTC Jun 23.</p>
<p><b>460. India West Coast - off Kochi.</b> Charts IN 22 220 259 INT 7356. Firing scheduled 12 and 13 May 23 from 0430 to 1130 UTC in danger area bounded within 10-08N to 10-18N and 075-30E to 075-40E. Wide berth from area advised.  2. Cancel this MSG 131230 UTC May 23.</p>
<p><b>461. Cancel NAVAREA VIII MSG 458/23 and this MSG.</b></p>
<p><b>462. Lakshadweep Sea - off Minicoy I.</b> Charts IN 22 273 2006 INT 752. Firing scheduled on 12 May 23 from 0230 to 1130 UTC in danger area bounded by 08-15.36N 073-04.50E, 08-14.89N 073-03.32E, 08-16.57N 073-03.43E. Wide berth from area advised.  2. Cancel this MSG 121230 UTC May 23.</p>
<p><b>463. India West Coast - off Mumbai.</b> Charts IN 21 211 255 292 INT 7021. Sea Star 7 will carry out cable route survey in area bounded by 19-07.21N 072-48.40E, 19-06.33N 072-48.82E, 19-01.94N 072-37.49E, 19-02.23N 072-37.35E. Wide berth requested.  2. Cancel this MSG 311830 UTC May 23.</p>
<p><b>464. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. Samudra sarvekshak progressing Geo Technical survey in vicinity of 19-18.51N 071-45.45E, 20-22.07N 072-13.74E, 19-24.20N 071-40.88E, 19-19.69N 071-41.79E, 18-40.36N 070-57.90E, 18-38.84N 070-59.49E, 21-03.50N 072-24.44E, 18-36.93N 071-01.48E. Wide berth requested.  2. Cancel this MSG 301830 UTC May 23.</p>
<p><b>465. India West Coast - off Mangalore.</b> Charts IN 22 217 272 2359 INT 7350. Hydrographic survey being progressed in area bounded within 12-47N to 13-04.70N and 074-43.70E TO 074-52.50E. Wide berth requested.</p>



<b>465. Continued.</b>
2. Cancel this MSG 251830 UTC May 23.
<b>466. Southern Indian Ocean.</b> Charts IN 7070 7072 INT 72. Space debris predicted in area bounded by 30-58S 064-40E, 28-55S 064-07E, 42-17S 014-03E, 44-19S 014-42E from 14 to 20 May 23 between 0419 UTC and 1112 UTC.
2. Cancel this MSG 201212 UTC May 23.
<b>467. India West Coast - off Surat.</b> Charts IN 21 211 255 292 INT 7021. Sai sowbaghya will carry out pipeline SURVEY from 12 to 30 May 23 in areas bounded by (a) 20-52.80N 072-17.52E, 20-51.86N 072-18.20E, 20-43.85N 071-52.29E, 20-45.07N 071-51.53E (b) 21-02.91N 072-24.14E, 21-01.56N 072-24.95E, 20-52.49N 072-20.85E, 20-51.86N 072-18.20E, 20-52.80N 072-17.52E (c) 21-11N 072-35.99E, 21-09.99N 072-35.85E, 21-10.35N 072-32.97E, 21-03.08N 072-33.32E, 21-04.42N 072-37.10E, 21-01.98N 072-38.82E, 21-00.51N 072-33.04E, 21-01.56N 072-24.95E, 21-02.91N 072-24.14E, 21-02.19N 072-32.30E, 21-04.46N 072-31.10E, 21-11.30N 072-31.64E. Wide berth requested.
2. Cancel this MSG 301830 UTC May 23.
<b>468. India East Coast - off Sagar I.</b> Charts IN 31 301 351 INT 7419. Firing by CG aircraft scheduled 16 and 18 may 23 from 0430 to 1030 UTC in danger area bounded within 20-37N TO 20-52N AND 088-30E TO 089-00E. Wide berth from area advised.
2. Cancel this MSG 181130 UTC May 23.
<b>469. Andaman Sea - off Barren I.</b> Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled on 15 may 23 from 0745 to 0945 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised
2. Cancel this MSG 151045 UTC May 23.
<b>470. India West Coast – Kochi.</b> Charts IN 22 220 259 2004 2029 INT 7356. Firing scheduled on 14 may 23 from 0430 to 0730 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. Wide berth from area advised.
2. Cancel this MSG 140830 UTC may 23.
<b>471. India West Coast – Azhikod.</b> Charts IN 220 259 2029 INT 7358. DGNSS (10-12.20N 076-09.46E) transmission will be switched off on 14 may 23 from 0130 to 1030 UTC for maintenance.
2. Cancel this MSG 141030 UTC May 23.
<b>472. NAVAREA VIII - Warnings in force as on 12 May 2023</b> <b>2021 Series -</b> 286 340 478 658 759 833 <b>2022 Series -</b> 049 093 117 118 134 162 180 237 253 259 286 313 391 437 445 446 461 476 497 513 519 536 546 584 601 617 646 651 656 688 757 805 824 856 970 980 997 1011 <b>2023 series -</b> 037 064 071 104 112 116 126 144 161 162 172 178 179 205 224 231 238 239 240 241 254 272 276 280 307 329 343 344 355 356 357 363 369 375 378 381 386 390 394 400 401 402 404 409 410 412 416 424 425 430 431 434 435 438 444 445 446 455 456 459 460 461 463 464 465 466 467 468 469 470 471 (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 191000 UTC May 23.
<b>473. Andaman Sea.</b> Charts IN 33 41 7706 INT 706. Eagle explorer progressing seismic survey in vicinity of 08-05.77N 090-30.09E, 08-05.77N 092-04.34E, 10-35.74N 092-04.34E, 10-35.74N 095-13.74E, 07-39.50N 095-13.74E, 06-16.20N 094-24.18E, 04-18.67N 092-43.36E, 03-51.10N 092-09.57E, 04-29.63N 091-20.55E, 05-52.55N 090-30.09E. Tow length 10km. Wide berth requested.
2. Cancel this MSG 131830 UTC Jun 23.
<b>474. India West Coast - off Mumbai.</b> Charts IN 21 255 293 INT 7022. Responder progressing cable installation works in vicinity of 17-44.50N 070-55.55E, 17-43.01N 070-57.17E, 18-24.11N 071-41.63E, 18-40.80N 071-57.80E, 18-48.38N 072-10.18E, 18-50.93N 072-26.96E, 18-56.73N 072-35.14E, 18-58.03N 072-33.93E, 18-52.88N 072-24.83E, 18-52.41N 072-22.11E, 18-51.96N 072-14.71E, 18-50.14N 072-08.81E, 18-48.45N 072-07.11E, 18-41.35N 071-55.81E, 18-25.70N 071-39.73E. Wide berth requested.
2. Cancel this MSG 301830 UTC May 23.
<b>475. India West Coast.</b> Charts IN 21 255 293 INT 7022. Rig move. Sagar Gaurav (19-45.44N 072-11.23E), Aban 2 (19-22.42N 071-11.50E), Jt Angel (18-31.16N 072-14.47E). Refer to 096(T) of INTM 09/23. Wide berth requested.
<b>476. India West Coast - off Porbandar.</b> Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled on 17 May 23 from 0330 to 0830 UTC in danger area bounded by 21-32N 069-24E, 21-17N 069-24E, 21-17N 069-06E, 21-32N 068-56E. Wide berth from area advised.
2. Cancel this MSG 170930 UTC May 23.
<b>477. India West Coast - Gulf of Khambhat.</b> Charts IN 21 208 254 INT 7331. Trewenna, Wenna and Kohinoor1 progressing seismic survey in area bounded by 22-12.90N 072-22.60E, 22-12.96N 072-25.09E, 22-11.22N 072-25.15E, 22-11.27N 072-28.65E, 22-13.02N 072-28.59E, 22-13.08N 072-30.73E, 22-02.88N 072-30.88E, 22-02.85N 072-30.27E, 21-52.76N 072-30.36E, 21-52.69N 072-33.45E, 21-49.19N 072-33.47E, 21-48.98N 072-19.75E, 21-54.34N 072-19.72E, 21-54.35N 072-22.68E. Wide berth requested.
2. Cancel this MSG 141830 UTC Jun 23.

<p><b>478. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. DSV Wilchief-1 will carry out structural work of ONGC platforms from 16 May to 10 Jun 23 in areas bounded by (a) 18-42N 072-11E, 18-42N 072-17E, 18-37N 072-20E, 18-26N 072-20E, 18-26N 072-11E (b) 19-42.80N 071-13.05E, 19-42.80N 071-25.18E, 19-10.40N 071-36.78E, 19-10.40N 071-22.35E, 19-14.98N 071-18.20E, 19-14.98N 071-14.13E, 19-31.31N 071-13.05E, 19-17.76N 071-09.47E, 19-31.51N 071-09.47E. Wide berth requested.</p> <p>2. Cancel this MSG 101830 UTC Jun 23.</p>
<p><b>479. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7334. Posh Natuna, Posh Arcturus and Posh Paglima will carry out pipeline survey in vicinity of 19-20.79N 071-21.95E, 19-31.77N 071-18.07E, 19-32.26N 071-23.98E, 18-34.93N 072-14.43E, 18-33.72N 072-17.64E. Wide berth requested.</p> <p>2. Cancel this MSG 311830 UTC May 23.</p>
<p><b>480. India West Coast - off Mumbai.</b> Charts IN 21 254 255 292 INT 7334. Fugro mapper will carry out seabed survey from 16 May to 12 Jun 23 in vicinity of 19-22.45N 071-21.47E, 19-34.71N 071-23.15E, 19-23.52N 071-25.18E, 18-34.96N 072-14.44E, 18-45.65N 072-19.21E, 19-12.87N 072-06.78E, 19-10.61N 070-57.71E, 18-36.10N 071-01.60E, 20-08.68N 071-44.93E, 18-16.44N 072-22.79E. Length of tow 150 meters from stern. Wide berth requested.</p> <p>2. Cancel this MSG 121830 UTC Jun 23.</p>
<p><b>481. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7334. LTB 300, AHTS Shakti, Maria 1 and Lanpan 27 will carry out pipeline survey from 16 to 31 May 23 in vicinity of 18-34.98N 072-14.41E, 18-33.76N 072-17.63E. Wide berth requested.</p> <p>2. Cancel this MSG 311830 UTC May 23.</p>
<p><b>482. India West Coast - off Mumbai.</b> Charts IN 21 292 293 INT 7021. Seamec princess will carry out pipeline survey from 16 to 31 May 23 in vicinity of 19-20.79N 071-21.95E, 19-32.26N 071-23.98E, 19-31.77N 071-18.07E, 19-22.41N 071-21.56E, 19-20.96N 071-18.09E, 19-18.80N 071-24.95E, 19-22.40N 071-21.62E, 18-55.55N 072-02.49E, 19-18.27N 071-58.58E, 18-29.37N 072-14.74E, 18-08.44N 072-22.08E, 18-34.93N 072-14.48E, 18-33.72N 072-17.64E, 18-38.27N 072-14.04E. Wide berth requested.</p> <p>2. Cancel this MSG 311830 UTC May 23.</p>
<p><b>483. India West Coast - off Trivandrum.</b> Charts IN 22 222 260 261 INT 752. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 17 May 23 from 0530 to 0700 UTC. Danger sector (a) Radius of 05 Nm between azimuth 190 and 300 (b) Radii of 45 Nm and 75 Nm between azimuth 220 and 260. Wide berth from area advised.</p> <p>2. Cancel this MSG 170800 UTC May 23.</p>



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

**Bay of Bengal Pilot (INP-2)**

**Chapter - 9 (Page 324)**

*Article 9.16, Heading*

*Delete text “TARASA ISLAND” and replace by:  
“TERESSA ISLAND”*

*Article 9.16, para 1, lines 1, delete text “Tarasa Island”  
and replace by “Teressa Island”.*

*Article 9.17, para 1, lines 2, 3, delete text “Tarasa  
Island” and replace by “Teressa Island”.*

*Article 9.19, para 1, lines 2, 5, delete text “Tarasa  
Island” and replace by “Teressa Island”.*

## SECTION – VII

### CORRECTINS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteri stics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D7367.89	- - Q8	24 10.01 N 53 07.86 E *	Fl R 3s	. .	5	Red □ on red beacon	. .
					*	*	
D9172.45	- RP4N	26 23.50 N 52 17.34 E *	Lit	. .	15	Platform	. .
*	*	*	*	*	*	*	*

## **SECTION – VIII**

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

#### **INP 31(1), 2019**

*(Last correction: Edition No. 09 dated 01 May 2023)*

NIL

#### **INP 31(2), 2019**

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

NIL

#### **INP 31(5), 2017**

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

NIL

#### **INP 31(6), 2018**

*(Last correction: Edition No. 09 dated 01 May 2023)*

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

#### **Pilots section, PROCEDURE**

*Delete entry and replace by:*

#### **Pilots**

#### **CONTACT DETAILS:**

##### **Port Control**

Call: Musaffah Port Control  
VHF Channel: Ch 16; 14  
Telephone: +971(0)2 5552423  
+971(0)2 5109394 (Mobile)  
Fax: +971(0)2 5109395  
E-mail: musaffah.vts@adports.ae

**HOURS:** H24

#### **PROCEDURE:**

- (1) **Pilotage is compulsory** within the port limits of Musaffah for all commercial vessels navigating in the channels or shifting berth.
- (2) The following vessels are exempt from compulsory pilotage for holders of a Musaffah Channel Familiarization Course Certificate (MFC):
  - (a) All vessels 80m LOA or less
  - (b) All vessels of 40m LOA or less carrying hazardous goods in bulk
  - (c) All assisting tugs with side towage of 40m LOA or less
  - (d) All passenger vessels of 40m LOA or less carrying less than 12 passengers
  - (e) Warships and vessels designated for public service or owned, used or managed by the UAE Government, or any of its public bodies or organisations
- (3) Vessels over 80m LOA and 140m LOA or less are exempt from compulsory pilotage for holders of a Pilot Exemption Certificate (PEC).
- (4) **Notice of ETA:** Vessels requiring a Pilot are required to give Musaffah Port Control 48h, 24h and 12h advance notification to include the following:
  - (a) ETA
  - (b) Maximum arrival draught
  - (c) Destination
- (5) A further ETA should be sent to Musaffah Port Control via VHF no later than 3h prior to arrival at the Pilot boarding place.
- (6) **Notice of ETD:** Outward-bound vessels or vessels moving within the Port of Musaffah requiring a Pilot should give Musaffah Port Control 12h and 3h notice and confirm no less than 1h prior to their ETD.
- (7) **Pilot boards** in the following positions:
  - (a) New Musaffah Channel:
    - (i) Primary - Outer pilot boarding ground - Alpha (A): 24°34'30N 54°13'94E (Deep draught vessels and any other vessels regardless of size and type)
    - (ii) Secondary - Inner pilot boarding ground - Bravo (B): 24°29'00N 54°14'20E (Vessels with a draught of less than 5m and for other vessels depending on type, LOA, weather and tide)
  - (b) Old Musaffah Channel - Khour Al Bateen: 24°30'10N 54°17'90E (Vessels calling at N side of causeway (floating Bridge), maximum draught limits apply, subject to Hr Mr approval)

**REMOTE PILOTAGE:**

Remote pilotage operation in Musaffah Port is subject to authorisation, undertaken at the discretion of the Hr Mr and considered on a case-by-case basis. Consult Musaffah Port Pilotage Directions for further details.

## **SECTION – IX**

### **REPORTING OF NAVIGATIONAL DANGERS**

#### **Appeal to all Mariners**

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / Harbour and other waterways, are requested to look out for new or suspected dangers to navigation, changes in aids to navigation, or corrections to published charts and Sailing Directions. Whenever any such changes / dangers are observed, mariners are requested to notify the same to the Chief Hydrographer to the Government of India at the following address: -

National Hydrographic Office  
107-A, Rajpur Road,  
Dehradun - 248001  
(Uttarakhand), India

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

#### **Instructions for filling up IH 102**

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

#### **Position Reporting**

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

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

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

#### **Depth Reporting**

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

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

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

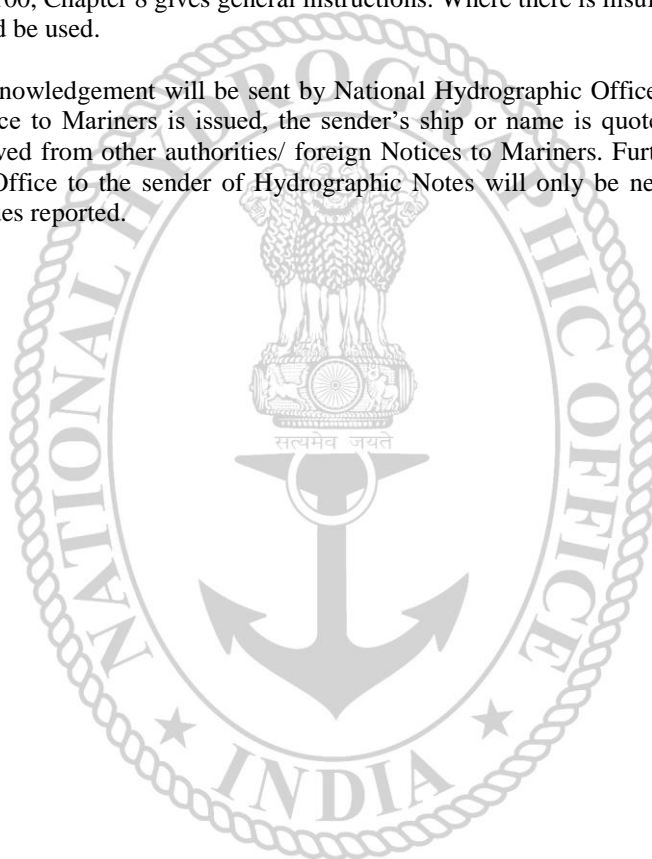
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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

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

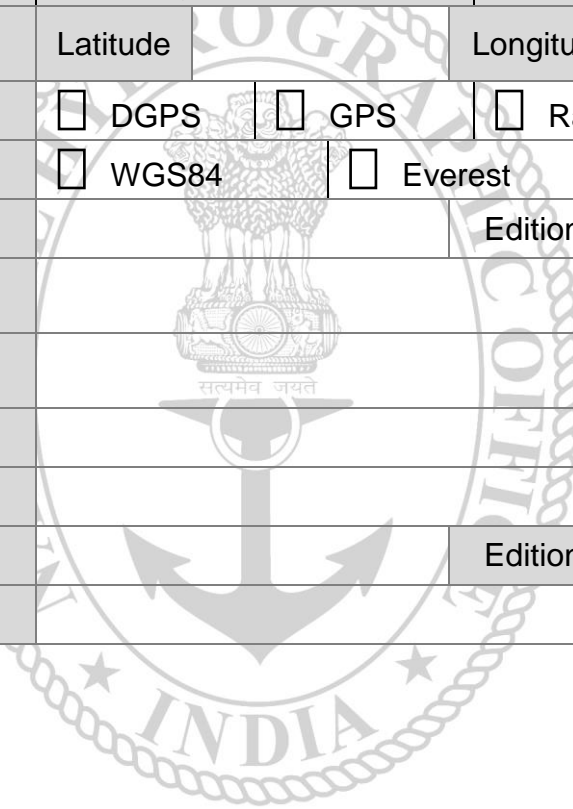
9. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers in such that any uncharted depth under 30 meters or 15 fathoms may be of sufficient importance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

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

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





HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes Observed (Tick appropriate)	<input type="checkbox"/> Bathymetry		<input type="checkbox"/> Nav. Dangers		<input type="checkbox"/> Nav. aids
	<input type="checkbox"/> Designated Areas		<input type="checkbox"/> Others		
Geographical Position (See Instructions Overleaf)	Latitude		Longitude		
Position Method	<input type="checkbox"/> DGPS	<input type="checkbox"/> GPS	<input type="checkbox"/> Radar	<input type="checkbox"/> Others	
Datum Used	<input type="checkbox"/> WGS84	<input type="checkbox"/> Everest	<input type="checkbox"/> Others		
Charts Affected			Edition		
Latest Edition of Indian Notices to Mariners Held					
Tracing/Plot/Photograph if enclosed					
ENCs Affected					
Latest Update Disk Held					
Publication Affected			Edition		
Page No./Light No. etc					
Details:					
					
Limitations if any in Reporting the Changes Above					
Details of Documents/Photos attached:					
Signature of the Master/Reporter/Observer					

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

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

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

CAUTIONARY NOTE

Harbour works and dredging is in progress. Mariners are advised to consult local authority for latest information.



**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**