

# INDIAN NOTICES TO MARINERS



EDITION NO. 20 DATED 16 OCT 2022

(CONTAINS NOTICES 181 TO 188)

REACH US 24 x 7



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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, 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 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>
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>
254	APPROACHES TO GULF OF KHAMBHAT	3,00,000	NEW EDITION
295	LAKSHADWEEP TO MALDIVES	7,50,000	NEW CHART
4104	APPROACHES TO PORT MEADOWS AND KOTARA ANCHORAGE	25,000	NEW EDITION
4252	DILIGENT STRAIT TO KOTARA ANCHORAGE	60,000	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:

<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 181 to 188 contained in this edition is as follows: -

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	185(T), 186(T), 187(T), 188(T)
22 (INT 752)	3	185(T), 186(T)
31(INT 756)	5	184(T), 188(T)
32 (INT 754)	5	182, 184(T), 188(T)
33 (INT 755)	5	184(T), 188(T)
41 (INT 757)	6	184(T)
209	3	187(T)
210	3	187(T)
211	3	186(T)
254 (INT 7331)	3	187(T)
255 (INT 7334)	3	186(T)
262 (INT 7365)	5	182
268 (INT 7353)	4	185(T)
273	4	185(T)
291	2	188(T)
292 (INT 7021)	2	185(T), 186(T), 187(T)
293 (INT 7022)	2	185(T)
294 (7023)	2	185(T)
308 (INT 7409)	5	183
313	5	184(T)
315	5	188(T)
316	5	188(T)
317	5	182
354 (INT 7408)	5	183
356 (INT 7400)	5	184(T)
357 (INT 7397)	5	184(T)
358 (INT 7394)	5	182, 188(T)
391	5	183, 184(T)
404 (INT 7439)	5	184(T)
405 (INT 7440)	5	184(T)
473 (INT 7031)	6	184(T)
2020	3	181
2047	4	185(T)
2078 (INT 7346)	3	181
3001 (INT 7402)	5	184(T)
3004 (INT 7403)	5	184(T)
3030	5	183
3040	5	182
4115	6	184(T)
7070 (INT 70)	1	188(T)
7071 (INT 71)	1	188(T)
7072 (INT 72)	1	188(T)
7073 (INT 73)	1	188(T)
7508 (INT 508)	1	188(T)
7701 (INT 701)	1	188(T)
7702 (INT 702)	1	188(T)
7703 (INT 703)	1	185(T), 188(T)

7705 (INT 705)	1	185(T), 188(T)
7706 (INT 706)	1	184(T), 188(T)
7707 (INT 707)	1	188(T)
7708 (INT 708).	1	188(T)





## SECTION – II

### PERMANENT NOTICE

**\*181 (20/22) INDIA – WEST COAST – Port of Mormugao – Buoys.**

Source: NHO, Dehradun.

**Chart 2020** [previous update 072/21]

Insert

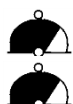


15° 24′.47N., 073° 49′.58E.

15° 24′.49N., 073° 49′.51E.

**Chart 2078 (INT 7346)** [previous update 072/21]

Insert



15° 24′.47N., 073° 49′.58E.

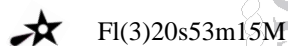
15° 24′.49N., 073° 49′.51E.

**\*182 (20/22) INDIA – EAST COAST – Rameshwaram to Adam’s Bridge – Light.**

Source: DLL, Chennai.

**Chart 32 (INT 754)** [previous update 164/22]

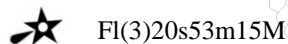
Insert



09° 10′.65N., 079°25′.12E.

**Chart 262 (INT 7365)** [previous update 167/21]

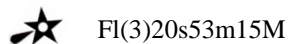
Insert



09° 10′.65N., 079°25′.12E.

**Chart 358 (INT 7394)** [previous update 184/18]

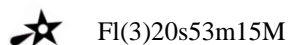
Insert



09° 10′.65N., 079°25′.12E.

**Chart 317** [previous update 088/19]

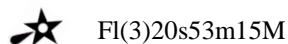
Insert



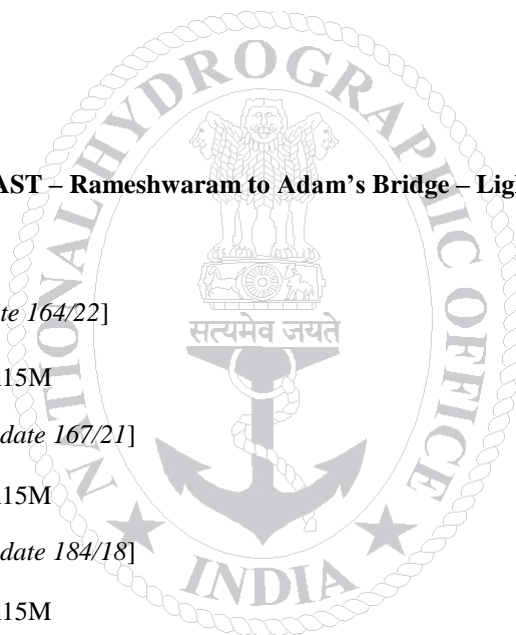
09° 10′.65N., 079°25′.12E.

**Chart 3040** [previous update 052/20]

Insert



09° 10′.65N., 079°25′.12E.



**\*183 (20/22) INDIA – WEST COAST – Bhimunipatnam Anchorage – Light.**

Source: DLL, Visakhapatnam.

**Chart 391** [previous update 137/22]

Amend characteristics of light to, “Fl(3)15s12m15M”, centered on; 17° 53′.45N., 083° 27′.35E.

**Chart 354 (INT 7408)** [previous update 100/22]

Amend characteristics of light to, “Fl(3)15s12m15M”, centered on; 17° 53′.45N., 083° 27′.35E.

**Chart 308 (INT 7409)** [previous update 100/22]

Amend characteristics of light to, “Fl(3)15s12m15M”, centered on; 17° 53′.45N., 083° 27′.35E.

**Chart 3030 (Approaches)** [previous update 181/21]

Amend characteristics of light to, “Fl(3)15s12m15M”, centered on; 17° 53′.45N., 083° 27′.35E.

**Chart 3030 (Anchorage)** [previous update 181/21]

Amend characteristics of light to, “Fl(3)15s12m15M”, centered on; 17° 53′.45N., 083° 27′.35E.



### SECTION – III

#### TEMPORARY AND PRELIMINARY NOTICE

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.

**\*184 (T) (20/22) INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys and Tsunami Buoys.**

Source: NIOT, Chennai.

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

<b>Buoy No./Name</b>	<b>Position</b>	<b>Chart Affected</b>
BD08/OB	17° 49'·25N., 089° 12'·50E	31(INT 756)
BD09/OB	17° 30'·13N., 089° 08'·28E	31(INT 756)
BD10/OB	16° 18'·32N., 087° 59'·20E	31(INT 756)
BD11/OB	13° 25'·15N., 083° 58'·35E	32 (INT 754), 33 (INT 755), 391
CB01/CB	11° 35'·33N., 092° 35'·76E	33 (INT 755), 41 (INT 757), 473 (INT 7031), 404 (INT 7439), 405 (INT 7440), 4115
CB06/CB	13° 05'·85N., 080° 18'·86E	32 (INT 754), 33 (INT 755), 356 (INT 7400), 357 (INT 7397), 391, 313, 3001 (INT 7402), 3004 (INT 7403)
TB06/TB	13° 27'·80N., 084° 21'·65E	32 (INT 754), 33 (INT 755), 391
TB09/TB	17° 06'·25N., 089° 59'·55E	31(INT 756), 7706 (INT 706)
STB05/TB	13° 28'·20N., 088° 59'·40E	33(INT 755), 7706 (INT 706)

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

**Former INTM 169 (T)/22 is cancelled.**

<b>185 (T) (20/22)</b>	<b>INDIA – WEST COAST – Arabian Sea – Data Buoys and Tsunami Buoys.</b>	
Source: NIOT, Chennai.		
1. Following yellow color data buoys characteristics FL(4)15s4M, 3m diameter and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:-		
<b>Buoy No./Name</b>	<b>Position</b>	<b>Chart Affected</b>
AD06/OB	18° 24'·60N., 067° 28'·02E	21, 292 (INT 7021), 293 (INT 7022)
AD07/OB	14° 56'·62N., 068° 59'·08E	293 (INT 7022)
AD08/OB	12° 03'·60N., 068° 37'·63E	7703 (INT 703), 7705 (INT 705)
AD09/OB	08° 05'·02N., 073° 15'·67E	22 (INT 752), 273
AD10/OB	10° 19'·53N., 072° 37'·37E	22 (INT 752), 273, 268 (INT 7353)
CALVAL/MB	10° 35'·52N., 072° 15'·98E	22 (INT 752), 273, 268 (INT 7353)
CBO2/CB	10° 52'·42N., 072° 12'·57E	22 (INT 752), 273, 268 (INT 7353), 294 (7023), 2047
STBO2/TB	20° 45'·60N., 065° 16'·80E	21, 7705 (INT 705)
TB12/TB	19° 53'·75N., 066° 59'·82E	21, 292 (INT 7021)
2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.		
3. All positions are in WGS 84 datum.		
<b>Former INTM 167 (T)/22 is cancelled.</b>		

**\*186 (T) (20/22) INDIA – WEST COAST – Satpati to Dighi Harbour – Salvage operation.**

Source: Directorate General of Shipping, Mumbai

1. Salvage operation of Barge “PAPAA 305” is being carried out by vessels, ‘SMITBARGE 1’ and ‘TAG 13’ in the following coordinates:-

Sl No.	Position
(a)	19° 15′.87N., 72° 19′.83E.
(b)	19° 14′.86N., 72° 19′.83E.
(c)	19° 14′.86N., 72° 20′.89E.
(d)	19° 15′.87N., 72° 20′.89E.

2. During the operation period, anchoring, fishing and trawling are prohibited within 4 Km and the vessels are advised to keep proper clearance of 1 NM × 1 NM from above mentioned area.

3. Mariners are advised to navigate with caution in the area.

**Charts affected – 21 – 211 – 22 (INT 752) – 255 (INT 7334) – 292 (INT 7021)**

**\*187 (T) (20/22) INDIA – WEST COAST – Hazira to Umargam – Salvage operation.**

Source: Directorate General of Shipping, Mumbai

1. Salvage operation of “M.V. KANCHAN ” is being carried out by vessel, “TAKLIFT-7” in the following coordinates:-

Sl No.	Position
(a)	20° 13′.92N., 72° 38′.85E.
(b)	20° 12′.91N., 72° 38′.85E.
(c)	20° 12′.91N., 72° 39′.92E.
(d)	20° 13′.92N., 72° 39′.92E.

2. During the operation period, anchoring, fishing and trawling are prohibited within 4 Km and the vessels are advised to keep proper clearance of 1 NM × 1 NM from above mentioned area.

3. Mariners are advised to navigate with caution in the area.

**Charts affected – 21 – 209 – 210 – 254 (INT 7331) – 292 (INT 7021)**

**\*188 (T) (20/22) INDIAN OCEAN - NORTHERN PART - RAMA Buoys.**

Source: NOAA.

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

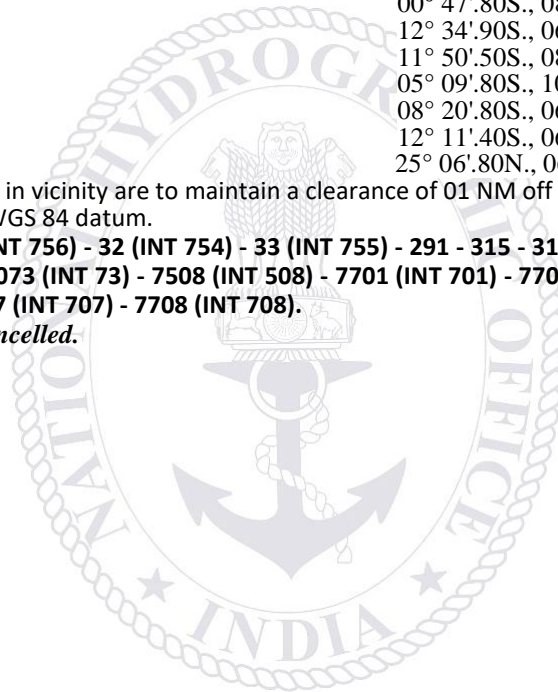
<b>Buoy No./Name</b>	<b>Position</b>
RA185A	15° 01'.70N., 089° 02'.50E
RA184A	00° 00'.00N., 089° 57'.60E
RA176A	00° 59'.30S., 100° 22'.90E
RA175A	01° 32'.90S., 080° 34'.00E
RA183A	07° 56'.50N., 067° 06'.80E
RA182A	04° 12'.80N., 066° 42'.00E
RA181A	08° 07'.70S., 110° 32'.90E
RA180A	00° 24'.20N., 067° 01'.80E
RA179A	01° 36'.70S., 066° 49'.00E
RA177A	04° 06'.50S., 057° 09'.80E
RA178A	09° 24'.80S., 051° 07'.30E
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
RT031	05° 09'.80S., 101° 37'.10E
RT036	08° 20'.80S., 066° 16'.40E
RT035	12° 11'.40S., 067° 13'.60E
RT032	25° 06'.80N., 062° 20'.00E

2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.

3. All positions are in WGS 84 datum.

**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 172 (T)/22 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>								
Sl.	Station Name	B1	Broad Cast Timings in UTC					
			0110	0510	0910	1310	1710	2110
(a)	Veraval	H	0110	0510	0910	1310	1710	2110
(b)	Vengurla Point	J	0130	0530	0930	1330	1730	2130
(c)	Muttam Point	L	0150	0550	0950	1350	1750	2150
(d)	Porto Novo	O	0220	0620	1020	1420	1820	2220
(e)	Vakalpudi	Q	0240	0640	1040	1440	1840	2240
(f)	Balasore	S	0300	0700	1100	1500	1900	2300
(g)	Keating Point	V	0330	0730	1130	1530	1930	2330

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### List of Indian Chart Agents

<p><b>OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a></p>	<p><b>M/s VDO Marine Instruments</b> PO Bag No – 645, 45/271, Shanghar Building, Corner of Bristow &amp; Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Email: <a href="mailto:atmain@gmail.com">atmain@gmail.com</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. SunderlalBahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: <a href="mailto:sales@globalcharts.in">sales@globalcharts.in</a> Web: <a href="http://www.globalcharts.com.sg">www.globalcharts.com.sg</a></p>	<p><b>SMS Marine Private Ltd</b> 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a> , <a href="mailto:raj.chakravorty@smsmap.com">raj.chakravorty@smsmap.com</a> Web: <a href="http://www.smsmaps.co.in">www.smsmaps.co.in</a></p>
<p><b>M/s C &amp; C Marine Combine</b> 25 Bank Street, 1<sup>st</sup> Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: <a href="mailto:vijay@ccmarine.in">vijay@ccmarine.in</a>, <a href="mailto:sales@ccmarine.in">sales@ccmarine.in</a></p>	<p><b>M/s Global Marine Infratech Pvt. Ltd.</b> SikshaSandan, Ground Floor, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +91-9337477799, 7077702499 Email: <a href="mailto:tusarkantha@gmiindia.in">tusarkantha@gmiindia.in</a> Web: <a href="http://www.gmiindia.in">www.gmiindia.in</a></p>
<p><b>M/s JM Maritime Services</b> 24/24C Kawarana Building, Ground Floor, Wadi Bunder, P.D. Mellow Road Masjid Bunder East Mumbai – 400 009, Maharashtra India Mobile: +91 9820788357/+91-9167961448 Email : <a href="mailto:jmcharts@gmail.com">jmcharts@gmail.com</a> , <a href="mailto:jmmcharts@gmail.com">jmmcharts@gmail.com</a></p>	<p><b>L. R. Marine Services</b> 301, 3rd Floor, Biryra House, 265, PerinNariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: <a href="mailto:lrcharts@gmail.com">lrcharts@gmail.com</a>, <a href="mailto:lrmarine@live.com">lrmarine@live.com</a></p>
<p><b>M/s Lift o Marine</b> Allen's Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: <a href="mailto:sankar@liftomarine.org">sankar@liftomarine.org</a>, <a href="mailto:liftomarine77@gmail.com">liftomarine77@gmail.com</a> Web: <a href="http://www.liftomarine.org">www.liftomarine.org</a></p>	<p><b>IIC Technologies Limited</b> 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a></p>
<p><b>M/s Zenith Surveys (I) Pvt. Ltd.</b> Lakhani'sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: <a href="mailto:zenithsurveys703@gmail.com">zenithsurveys703@gmail.com</a> <a href="mailto:nyvmane@yahoo.com">nyvmane@yahoo.com</a> Web: <a href="http://www.zenithsurvey.com">www.zenithsurvey.com</a></p>	<p><b>M/s CNC</b> Office No. S-12-92, Haware's Centurion Premises Coop. Soc. Ltd Plot no 88-91, Sector 19, NERUL, Navi Mumbai – 400706 Tel: +91 22 22660017/ +91 22 49747575 Cell No: +91 9920654848/ +91 7506097212 Email: <a href="mailto:sales@emariner.net">sales@emariner.net</a></p>



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

1. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2020.
2. NAVAREA VIII Warnings in force as on 16 Oct 22: -

<b>2021 SERIES</b>	-	017	147	286	340	387	447	463	478	479	544	629	658	690	759	761	771	833				
<b>2022 SERIES</b>	-	049	093	117	118	134	162	180	194	237	253	259	270	286	313	391	423	436	437			
		445	446	461	476	489	497	513	518	519	536	546	569	571	583	584	597	601	606	613	615	617
		623	646	651	656	660	682	688	691	702	723	726	733	737	738	739	743	744	745	746	750	752
		753	754	755	757	758	759	761	763	764	765	766	767	768	769	770	771	772	773	774	775	776
		777	778																			

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

<b>731. Arabian Sea.</b> Charts IN 7073 7703 INT 703. Surface and subsurface firing scheduled on 04 Oct 22 in danger areas bounded by (A) 13-27N 065-41E, 12-27N 066-50E, 10-58N 065-49E, 12-08N 064-32E from 0930 to 1230 UTC (B) 10-00N 066-38E, 09-50N 068-18E, 07-58N 068-10E, 08-00N 066-30E from 0430 to 0830 UTC. Wide berth from area advised. 2. Cancel this MSG 041330 UTC Oct 22.
<b>732. India West Coast - off Kochi.</b> Charts IN 22 220 259 INT 7356. Surface firing scheduled ON 03, 04 Oct 22 from 0430 to 1130 UTC in danger area bounded by 10-08N 075-39.9E, 10-08N 075-30E, 10-18N 075-30E, 10-18N 075-39.9E. Wide berth from area advised. 2. Cancel this MSG 041230 UTC Oct 22.
<b>733. India West Coast - off Mumbai.</b> Charts IN 22 211 255 INT 7334. ACOMS 11 will carry out pipeline survey in area bounded by 18-41.63N 072-09.35E, 18-36.97N 072-23.93E, 17-58.8N 072-23.19E, 17-59.05N 072-08.57E from 30 Sep TO 05 Oct 22. Wide berth requested. 2. Cancel this MSG 051830 UTC Oct 22.
<b>734. India West Coast - off Hazira.</b> Charts IN 209 254 INT 7331. SAI SOWBHAGYA progressing pipeline survey in area bounded by 21-04.76N 072-21.29E, 21-04.65N 072-26.8E, 21-01.29N 072-26.72E, 21-01.4N 072-21.21E from 04 to 09 OCT 22. Wide berth requested. 2. Cancel this MSG 091830 UTC Oct 22.
<b>735. Andaman Sea - off Barren I.</b> Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled 06, 07 Oct 22 from 0830 to 1030 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 071130 UTC Oct 22.
<b>736. India East Coast - off Visakhapatnam.</b> Charts IN 31 INT 756. Subsurface firing scheduled in danger areas bounded by (A) 17-04N 084-49E, 16-45N 084-38E, 17-15N 083-45E, 17-33N 083-55E from 060730 to 061230 UTC OCT 22 (B) 16-14N 085-48E, 15-12N 086-58E, 14-05N 085-58E, 15-07N 084-49E from 070030 to 071230 UTC OCT 22 (C) 16-46N 083-00E, 16-05N 084-13E, 15-50N 084-03E, 16-30N 082-50E from 080030 to 080730 UTC OCT 22. Wide berth from area advised. 2. Cancel this MSG 080830 UTC Oct 22.
<b>737. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. ACOMS 11 will carry out pipeline survey in area bounded by 19-42.47N 070-45.40E, 19-41.77N 071-40.37E, 18-55.88N 071-39.67E, 18-55.92N 070-44.90E from 06 to 18 OCT 22. Wide berth requested. 2. Cancel this MSG 181830 UTC Oct 22.
<b>738. India West Coast - Vengurla point.</b> Charts IN 22 214 293 INT 7022. Navtex transmitter (15-51.32N 73-37.89E) inoperative
<b>739. India East Coast - off Kakinada.</b> Charts IN 31 INT 756. Hydrographic survey being progressed in area bounded by 16-31N 082-13.2E, 16-48.5N 082-13.2E, 16-48.5N 082-41E, 16-51.77N 082-41E, 16-31N 083-02.79E from 07 to 31 OCT 22. Wide berth requested. 2. Cancel this MSG 311830 UTC Oct 22.
<b>740. India West Coast - off Mormugao.</b> Charts IN 22 215 257 293 294 INT 752. Firing scheduled from 070230 to 091230 UTC Oct 22 in danger area bounded by 15-36N 071-50E, 14-39N 073-40E, 14-00N 074-00E, 13-30N 073-02E, 14-31N 071-24E. Wide berth from area advised. 2. Cancel this MSG 091330 UTC Oct 22.

<p><b>741. India East Coast - off Visakhapatnam.</b> CHARTS IN 31 INT 756. Firing scheduled on 062330 to 070430 UTC, 070930 to 071530 UTC, 072330 to 080430 UTC Oct 22 in danger area bounded by 16-14.60N 085-48.60E, 15-12.60N 086-58.20E, 14-05.60N 085-58.60E, 15-07.20N 084-48.90E. Wide berth from area advised.</p> <p>2. Cancel this MSG 080530 UTC Oct 22.</p>
<p><b>742. India West Coast - off Trivandrum.</b> Charts IN 22 261 273 7706 INT 752. Rocket launch scheduled on 07 Oct 22 from 0530 to 0700 UTC. Danger sector 75 NM between azimuth 220 and 260 from Thumba 08-31.98N 076-52.05E. Wide berth from area advised.</p> <p>2. Cancel this MSG 070800 UTC Oct 22.</p>
<p><b>743. India West Coast - off Mumbai.</b> Charts IN 21 293 INT 7022. Albatross 5 will carry out cable route survey along (A) 18-14.16N 070-54.17E, 18-13.77N 070-54.62E, 18-10.09N 070-53.80E, 18-02.51N 070-49.18E, 17-40.05N 070-26.61E, 17-41.5N 070-24.72E, 17-46.79N 070-29.28E, 17-51.74N 070-36.69E, 18-03.04N 070-48.72E, 18-10.03N 070-52.95E, 18-13.26N 070-53.20E FROM 07 TO 14 OCT 22 (B) 17-41.49N 070-24.72E, 17-40.75N 070-25.69E, 17-26.63N 070-15.11E, 17-21.58N 070-21.65E, 17-19.43N 070-20.29E, 17-25.29N 070-13.96E, 17-01.38N 069-40.70E, 17-02.13N 069-40.17E, 17-25.01N 070-12.55E, 17-26.59N 070-14.07E from 15 to 25 OCT 22 length of tow 250 meters from stern. Wide berth requested.</p> <p>2. Cancel this MSG 251830 UTC Oct 22.</p>
<p><b>744. India West Coast.</b> Charts IN 21 255 INT 7334. Rig move. Virtue-1 (19-10.61N 070-57.65E) and trident 12 (19-07.39N 072-06.44E). Refer to 178(T) OF INTM 19/22. Wide berth requested</p>
<p><b>745. India West Coast - off Mormugao.</b> Charts IN 22 214 2020 2022 INT 7345. Hydrographic survey being progressed in area bounded within 15-18.70N TO 15-32N AND 073-42E TO 073-51E from 08 OCT to 30 Nov 22. Wide berth requested.</p> <p>2. Cancel this MSG 301830 UTC Nov 22.</p>
<p><b>746. India West Coast - off Mormugao.</b> Charts IN 22 215 257 293 294 INT 752. Subsurface firing scheduled from 070230 TO 091530 and 080230 TO 081530 UTC Oct 22 in danger area bounded by 15-36N 071-50E, 14-39N 073-40E, 14-00N 074-00E, 13-30N 073-02E, 14-31N 071-24E. Wide berth from area advised.</p> <p>2. Cancel this MSG 081630 UTC Oct 22.</p>
<p><b>747. India West Coast - off Mormugao.</b> Charts IN 22 215 257 272 293 294 INT 752. Subsurface firing scheduled from 070130 to 070830 UTC Oct 22 in danger area bounded within 14-30N to 15-00N and 072-30E to 073-00E. Wide berth from area advised</p> <p>2. Cancel this MSG 070930 UTC Oct 22.</p>
<p><b>748. Arabian Sea.</b> Charts IN 7703 7705 INT 703. Surface and subsurface firing scheduled in danger area bounded by (A) 09-40N 062-07E, 08-30N 063-21E, 07-19N 062-21E, 08-20N 061-10E from 080430 to 080930 UTC Oct 22 (B) 11-17N 061-25E, 10-50N 062-30E, 09-25N 062-00E, 09-50N 060-50E from 090430 to 090930 UTC Oct 22. Wide berth from area advised.</p> <p>2. Cancel this MSG 091030 UTC Oct 22.</p>
<p><b>749. India East Coast - Sriharikota.</b> Charts IN 31 32 356 391 7706 INT 7400. Rocket launch from 13-41N 080-14E Scheduled on 10 Oct 22 from 0530 to 0730 UTC</p> <p>2. Danger zone as follows  ZONE-1: circle of 10 NM around launcher.  ZONE-2: Sector of 45 NM and 75 NM between azimuth 080 and 120 from launch pad.</p> <p>3. Wide berth from area advised.</p> <p>4. Cancel this MSG 100830 UTC Oct 22.</p>
<p><b>750. India West coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. SAI Sowbhagya progressing pipeline survey in area bounded by 19-42.47N 070-45.40E, 19-41.76N 071-40.37E, 18-55.88N 071-39.67E, 18-55.92N 070-44.90E from 10 to 22 OCT 22. Wide berth requested.</p> <p>2. Cancel this MSG 221830 UTC Oct 22.</p>
<p><b>751. India West Coast - off Mormugao.</b> Charts IN 22 215 257 293 294 7705 INT 705. Firing scheduled from 110230 to 121230 UTC Oct 22 in danger areas bounded by (A) 15-36N 071-50E, 14-39N 073-40E, 14-00N 074-00E, 13-30N 073-02E, 14-31N 071-24E (B) 17-23N 070-35E, 16-58N 071-25E, 16-24N 072-09E, 14-31N 071-24E, 16-15N 068-37E. Wide berth from area advised.</p> <p>2. Cancel this MSG 121330 UTC Oct 22.</p>
<p><b>752. India West Coast - off Porbandar.</b> Charts IN 21 252 292 INT 7325. Firing by CG aircraft scheduled 10, 12, 14 Oct 22 from 0330 to 0530 UTC in danger area bounded by 21-32N 069-24E, 21-17N 069-24E, 21-17N 069-06E, 21-32N 068-56E. Wide berth from area advised.</p> <p>2. Cancel this MSG 140630 UTC Oct 22.</p>
<p><b>753. Navarea VIII - Warnings in force as on 07 Oct 2022</b></p> <p><b>2021 SERIES</b> - 017 147 286 340 387 447 463 478 479 544 629 658 690 759 761 771 833</p> <p><b>2022 SERIES</b> - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437  445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 597 601 606 613 615 617  623 646 651 656 660 682 688 691 702 723 726 729 733 734 736 737 738 739 740 741 743</p>

<p><b>753. Continued.</b> 744 745 746 747 748 749 750 751 752 (A) Navarea VIII Warnings less than 42 days promulgated via safetynet (B) Text of Navarea VIII Warning inforce including those which no longer broadcast available in www.hydrobharat.gov.in 2. Cancel this MSG 141000 UTC Oct 22.</p>
<p><b>754. India West Coast - off Umargam.</b> Charts IN 21 209 210 254 INT 7331. Salvage operation of MV Kanchan being progressed in vicinity OF 20-13.42N 072-39.39E and area bounded within 20-12.92N TO 20-13.92N and 072-38.85E TO 072-39.89E. Wide berth from area advised</p>
<p><b>755. India West Coast - off Mumbai.</b> Charts IN 22 211 255 292 INT 7334. Salvage operation of barge PAPAA 305 being progressed in vicinity of 19-15.37N 072-20.36E and area bounded within 19-14.87N TO 19-15.87N and 072-19.83E TO 072-20.89E. Wide berth from area advised</p>
<p><b>756. Cancel Navarea VIII MSG 701/22 and this MSG</b></p>
<p><b>757. India west Coast - off Hazira.</b> CHARTS IN 21 254 292 2101 INT 7347. Capsized tug Nawaz reported sunk in position 21-04.43N 072-39.53E at 1645 UTC on 07 Oct 22.</p>
<p><b>758. India East Coast - off Gopalpur.</b> Charts IN 31 353 INT 7413. Army air defence firing scheduled from 14 to 15 Oct, 18 to 21 Oct, 25 to 29 Oct 22 from 0130 to 0830 UTC and 0930 to 1430 UTC in danger area bounded by (A) 19-14.6N 084-53.7E (B) 19-07.39N 085-35.94E (C) 18-33.61N 084-53.74E and arc of 41 NM radius joining point B and C. Wide berth from area advised. 2. Cancel Navarea VIII MSG 729/22 and this MSG 291530 UTC Oct 22.</p>
<p><b>759. Lakshadweep Sea - off Kavaratti I.</b> Charts IN 22 268 273 2023 INT 7353. Firing scheduled on 14 Oct 22 from 0130 to 1030 UTC 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 MSG141130 UTC Oct 22.</p>
<p><b>760. India West Coast - off Mormugao.</b> Charts IN 22 215 257 293 294 INT 752. Firing scheduled from 121230 to 130930 UTC Oct 22 in danger area bounded by 15-36N 071-50E, 14-39N 073-40E, 14-00N 074-00E, 13-30N 073-02E, 14-31N 071-24E. Wide berth from area advised. 2. Cancel this MSG 131030 UTC Oct 22.</p>
<p><b>761. India West Coast - off Jawaharlal Nehru Port.</b> Charts IN 21 22 211 2076 INT 7338. Echo buoy in position 18-57.40N 072-56.54E retrieved</p>
<p><b>762. India West Coast - off Mormugao.</b> Charts IN 22 293 294 7705 7706 INT 752. Subsurface firing scheduled from 120230 to 121530 UTC Oct 22 in danger area bounded by 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 121630 UTC Oct 22.</p>
<p><b>763. India East Coast - off Chennai.</b> Charts IN 32 313 356 391 INT 7400. Firing by CG aircraft scheduled on 14 Oct 22 from 0130 to 1130 UTC in danger area bounded within 12-49N TO 12-59N and 080-46E TO 081-26E. Wide berth from area advised. 2. Cancel this MSG 141230 UTC Oct 22.</p>
<p><b>764. India West Coast - Mormugao.</b> Charts IN 22 214 257 293 2022 INT 7345. Firing scheduled on 14 Oct 22 from 0330 to 0730 UTC in danger sector extending upto 15 NM between bearing 220 TO 260 from 15-24.7N 073-47.01E. Wide berth from area advised. 2. Cancel this MSG 140830 UTC Oct 22.</p>
<p><b>765. India East Coast. -</b> Charts IN 31 7706 INT 756 experimental flight trial scheduled 14, 15 Oct 22 from 0800 to 1100 UTC in danger area bounded by 17-56.33N 082-42.29E, 21-29.8N 088-39.69E, 19-06.20N 089-53.7E, 16-25.92N 088-38.62E, 14-20.12N 085-06.60E Wide berth from area advised 2. Cancel this MSG 151200 UTC Oct 22.</p>
<p><b>766. India West Coast.</b> Rig move compact driller demobilised refer to 178(T) of INTM 19/22 2. Cancel this Msg 151000 utc Oct 22.</p>
<p><b>767. India West Coast - Off Mumbai.</b> Charts IN 21 211 255 292 INT 7334 fugro mapper progressing survey in vicinity of 19-22.45N 071-21.48E, 18-47.74N 071-15.67E, 20-37.32N 071-38.77E, 18-34.97N 072-14.45E, 18-45.65N 072-19.22E, 19-07.8N 071-59.93E, 19-34.72N 071-23.16E, 19-23.52N 071-25.18E, 19-20.06N 072-01.27E, 18-36.10N 071-01.60E, 18-16.44N 072-22.80E, 19-10.62N 070-57.72E, 20-08.69N 071-44.94E length of tow 150 meters from stern wide berth requested. 2. Cancel this Msg 131830 UTC Nov 22.</p>
<p><b>768. India West Coast - Off Mormugao.</b> Charts IN 22 214 257 293 2022 INT 7345 survey operations being progressed in area bounded by 14-31.92N 073-21.77E, 15-00.77N 073-14.90E, 14-17.46N 073-51.93E, 13-44.03N 073-00.19E wide berth requested. 2. Cancel Navarea VIII MSG 768/22 And this MSG 181800 UTC Oct 22.</p>

<p><b>769. India West Coast - Off Mormugao.</b> Charts IN 22 214 257 293 2022 INT 7345 survey operations being progressed in area bounded by 14-31.92N 072-21.77E, 15-00.77N 073-14.90E, 14-17.46N 073-51.93E, 13-44.03N 073-00.19E wide berth requested.</p> <p>2. Cancel Navarea VIII MSG 768/22 And this MSG 181800 UTC Oct 22.</p>
<p><b>770. India West Coast.</b> Charts IN 22 293 294 7706 INT 752 subsurface firing scheduled from 140130 to 140430 UTC Oct 22 in danger area bounded within 16-15N TO 16-45N and 071-15E TO 071-45E wide berth from area advised.</p> <p>2. Cancel this Msg 140530 UTC Oct 22.</p>
<p><b>771. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig move. Parameswara (19-19.55N 071-01.62E). Refer to 178(T) of INTM 19/22. Wide berth requested.</p>
<p><b>772. India East Coast.</b> Charts IN 31 391 7706 INT 706. Firing scheduled 19, 20, 21 and 22 Oct 22 from 0030 to 1130 utc in danger area bounded by 12-59.35N 083-43.87E, 14-37N 081-56E, 16-27.6N 083-56.2E, 14-41.2N 085-40.7E. Wide berth from area advised.</p> <p>2. Cancel this MSG 221230 UTC Oct 22.</p>
<p><b>773. NAVAREA VIII - warnings in force as on 14 Oct 2022.</b></p> <p><b>2021 series</b> - 017 147 286 340 387 447 463 478 479 544 629 658 690 759 761 771 833</p> <p><b>2022 series</b> - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 597 601 606 613 615 617 623 646 651 656 660 682 688 691 702 723 726 733 737 738 739 743 744 745 746 750 754 755 757 758 761 763 765 766 767 769 771 772</p> <p>(a) NAVAREA VIII warnings less than 42 days promulgated via safetynet.</p> <p>(b) Text of NAVAREA VIII warning inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a></p> <p>2. Cancel this MSG 211000 UTC Oct 22.</p>
<p><b>774. India West Coast - off Porbander.</b> Charts IN 21 252 292 INT 7021. Subsurface firing scheduled from 151030 to 160030 utc in danger area bounded within 21-11.31N to 21-15.50N and 068-48.18E to 068-52.56E. Wide berth from area advised.</p> <p>2. Cancel this MSG 160130 UTC Oct 22.</p>
<p><b>775. India West Coast - off Kochi.</b> Charts IN 22 220 221 259 INT 752. Firing scheduled from 170830 to 171030 UTC in danger area bounded within 09-32N to 09-52N and 075-24E to 75-43E. Wide berth from area advised</p> <p>2. Cancel this MSG 171130 UTC Oct 22.</p>
<p><b>776. India West Coast - off Mumbai.</b> Charts IN 21 210 255 292 INT 7334. Seismic survey being progressed by Sanco Star with node deployment vessel MMA Valour in area bounded by 19-37.1N 071-29.76E, 19-10.85N 071-40.99E, 19-00.86N 071-12.11E, 19-28.11N 071-01.02E. Wide berth of 05 NM requested</p> <p>2. Cancel this MSG 091830 UTC Nov 22.</p>
<p><b>777. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7334. Offshore supporter progressing pipeline survey in area bounded by 19-42.47N 070-45.4E, 19-41.77N 071-40.37E, 18-55.89N 071-39.67E, 18-55.92N 070-44.9E. Wide berth requested.</p> <p>2. Cancel this MSG 301830 Oct 22.</p>
<p><b>778. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig move. Jindal Supreme (19-03.02N 070-56.15E). Refer to 178(T) of INTM 19/22. Wide berth requested.</p>

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

NIL

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

No	Name & Location	Position (Lat-Long)	Characteri stics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D7371-052	- Jabal Az Zannah. Breakwater. JD-12 *	24 12-81 N 52 35-51 E *	FI Y 5s	..	5	Yellow beacon *	..
D7371-053	- Jabal Az Zannah. Harbour. Entrance. JD-11 *	24 12-80 N 52 35-55 E	FI G 3s	..	5	Green Δ on green beacon *	..
D7371-054	-- JD-10 *	24 12-80 N 52 35-64 E *	FI R 3s	..	5	Red □ on red beacon *	..
D7371-055	-- JD-8 *	24 12-99 N 52 35-75 E	FI R 3s	..	5	Red beacon *	..
D7371-056	-- JD-9 *	24 12-99 N 52 35-67 E *	FI G 3s	..	5	Green beacon *	..
D7371-057	-- JD-6 *	24 13-22 N 52 35-77 E	FI R 3s	..	5	Red beacon *	..
D7371-058	-- JD-7 *	24 13-22 N 52 35-69 E	FI G 3s	..	5	Green beacon *	..
D7371-0595	-- JD-5 *	24 13-44 N 52 35-72 E *	FI G 3s	..	5	Green beacon *	..
D7371-07	- Jabal Az Zanah. JD-3 *	24 13-81 N 52 35-84 E *	FI R 3s	..	5	Red beacon *	..
D7371-073	-- JD-2 *	24 14-18 N 52 35-82 E *	FI R 3s	..	5	Red beacon *	..
D7371-075	-- JD-1 *	24 14-52 N 52 35-76 E *	FI R 3s	..	5	Red beacon *	..
D7371-09	SIR BANI YAS. Ra's Khudayriyah -- SB-1 PALACE *	24 15-98 N 52 36-38 E *	FI G 3s	..	5	.. *	..
D7371-091	-- SB-2 PALACE *	24 16-01 N 52 36-49 E	FI R 3s	..	5	.. *	..
D7371-094	-- *	24 16-25 N 52 36-51 E *	FI Y 5s	..	5	.. *	..
D7371-095	-- SB-4 PALACE *	24 16-32 N 52 36-50 E *	FI Y 5s	..	5	.. *	..
D7384-69	JAZIRAT DALMA - D-3 *	24 25-01 N 52 18-24 E *	FI R 3s	..	5	Red beacon *	..

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



**INP 31(1), 2019**

*(Last correction: Edition No. 06 dated 01 Aug 2022)*

Page 10,INDIA ( Eastern Region)

**HALDIA MRSC**

Delete entry and replace by:

<b>HALDIA MRSC</b>		<b>22°02' N 88°06' E</b>	
MMSI 004194404	DSC VHF		Diagram page 13
 +91 3224 267755 MSAR CALL: 1554 (Toll free)		 +91 3224 264541 +91 3224 263407	
Inmarsat C: 441907110=DHQH X Inmarsat Fleet: 773158596 (Voice) 783246662 (Fax)		e-mail: <a href="mailto:dhq8@indiancoastguard.nic.in">dhq8@indiancoastguard.nic.in</a> <a href="mailto:mrcs-haldia@indiancoastguard.nic.in">mrcs-haldia@indiancoastguard.nic.in</a> Website: <a href="http://indiancoastguard.gov.in/">http://indiancoastguard.gov.in/</a>	

**VHF**

		Ch 16	H24
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**INP 31(2), 2019**

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

NIL

**INP 31(5), 2017**

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

NIL

**INP 31(6), 2018**

*(Last correction: Edition No. 08 dated 16 Sep 2022)*

NIL

## SECTION – IX

### REPORTING OF NAVIGATIONAL DANGERS

#### Appeal to all Mariners

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

National Hydrographic Office  
 107-A, Rajpur Road,  
 Dehradun - 248001  
 (Uttarakhand), India  
 e-mail : [msis-inho@navy.gov.in](mailto:msis-inho@navy.gov.in), [inho@navy.gov.in](mailto:inho@navy.gov.in)  
 Fax No. : +91-135- 2748373  
 Web : [www.hydrobharat.gov.in](http://www.hydrobharat.gov.in)

#### Instructions for filling up IH 102

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

#### Position Reporting

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

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

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

#### Depth Reporting

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

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

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



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

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

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

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

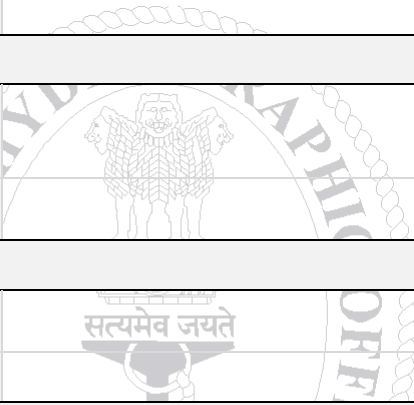

***Please Note:*** - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further,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



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

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

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

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



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

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

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

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

**AFTN: VABBYXYC**