

# INDIAN NOTICES TO MARINERS



EDITION NO. 21 DATED 01 NOV 2022

(CONTAINS NOTICES 189 TO 195)

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)

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



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 Charts that are permanently withdrawn are 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>
207	DIU HEAD TO GOPNATH POINT	150000	NEW EDITION
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

## VI

### Availability of ENC's

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

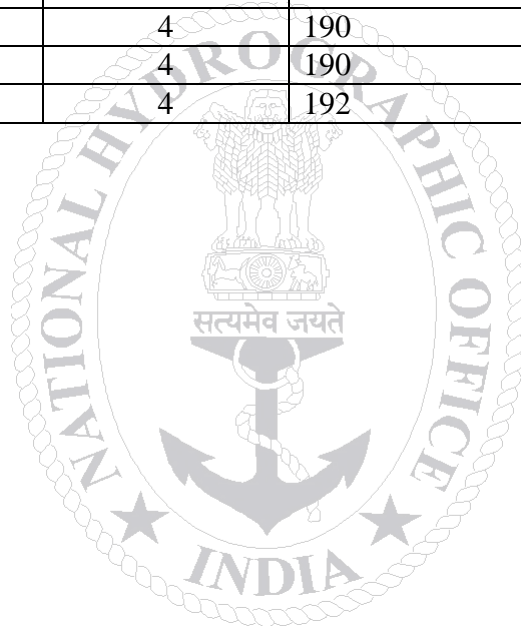
<b>United Kingdom Hydrographic Office</b> Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel : +44 (0) 1823 337900 Fax : +44 (0) 1823 330561, 1823 284077 Web site : <a href="http://www.hydro.gov.uk">www.hydro.gov.uk</a>	<b>M/s IIC Technologies Limited</b> B-2-350/5/B-22, Road No. 3 Banjara Hills, Hyderabad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



**SECTION – I**

The list of charts affected by the Notices 189 to 195 contained in this edition is as follows: -

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
22 (INT 752)	3	190, 191, 192
31 (INT 756)	5	195(T)
32 (INT 754)	5	189, 190
41 (INT 757)	6	193(T), 194(T)
217	4	192
220	4	190, 191
225	5	189
258 (INT 7348)	4	192
259 (INT 7356)	4	190, 191
260 (INT 7362)	4	190
263 (INT 7383)	5	189
272	4	192
294 (INT 7023)	4	192
2004 (INT 7359)	4	190
2029 (INT 7358)	4	190
2358	4	192




## SECTION – II

### PERMANENT NOTICE

**\*189 (21/22) SRI LANKA – WEST COAST – Colombo to Galle – Wreck.**

Source: MRCC, Colombo.

**Chart 32 (INT 754)** [previous update 182/22]

Insert  PA

07° 04′.87N., 079° 46′.77E.

**Chart 263 (INT 7383)** [previous update 164/22]

Insert  PA

07° 04′.87N., 079° 46′.77E.

**Chart 225** [previous update 164/22]

Insert  PA

07° 04′.85N., 079° 46′.65E.

**\*190 (21/22) SRI LANKA – WEST COAST – Kochi Harbour – Wreck.**

Source: INS, Jamuna.

**Chart 22 (INT 752)** [previous update 174/22]

Insert  PA

09° 58′.23N., 076° 13′.20E.

**Chart 32 (INT 754)** [previous update 184/22]

Insert  PA

09° 58′.23N., 076° 13′.20E.

**Chart 259 (INT 7356)** [previous update 134/22]

Insert  PA


09° 58′.23N., 076° 13′.20E.

**Chart 260 (INT 7362)** [previous update 151/22]

Insert  PA

09° 58′.23N., 076° 13′.20E.

**Chart 220** [previous update 134/22]

Insert  PA

09° 58′.23N., 076° 13′.20E.

**Chart 2029 (INT 7358)** [previous update 150/21]

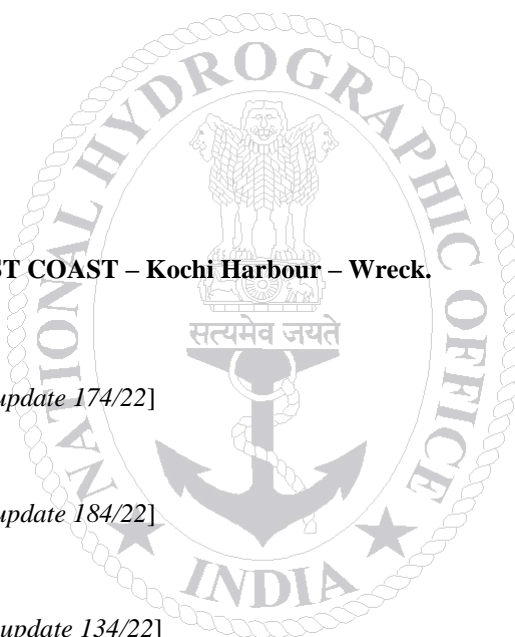
Insert  PA

09° 58′.23N., 076° 13′.20E.

**Chart 2004 (INT 7359)** [previous update 214/19]

Insert  PA

09° 58′.23N., 076° 13′.20E.






**\*191 (21/22) INDIA – WEST COAST – Tanur Nagaram to Manakkodam – Wreck.**

Source: ICGS, Aryaman.

**Chart 22 (INT 752)** [previous update 190/22]

Insert  PA 10° 28′·30N., 075° 45′·00E.

**Chart 259 (INT 7356)** [previous update 190/22]

Insert  PA 10° 28′·30N., 075° 45′·00E.

**Chart 220** [previous update 190/22]

Insert  PA 10° 28′·30N., 075° 45′·00E.

**\*192 (21/22) INDIA – WEST COAST – Approaches to Hangarkatta and Malbe – Wreck.**

Source: ICGS, Varana.

**Chart 22 (INT 752)** [previous update 191/22]

Insert  13° 11′·85N., 074° 40′·38E.

**Chart 294 (INT 7023)** [previous update 151/22]

Insert  13° 11′·85N., 074° 40′·38E.

**Chart 272** [previous update 182/21]

Insert  13° 11′·85N., 074° 40′·38E.

**Chart 258 (INT 7348)** [previous update 132/21]

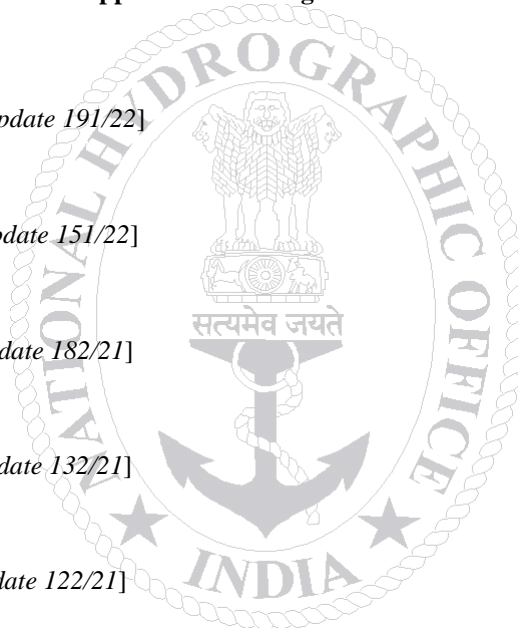
Insert  13° 11′·85N., 074° 40′·38E.

**Chart 217** [previous update 122/21]

Insert  13° 11′·85N., 074° 40′·38E.

**Chart 2358** [previous update 043/20]

Insert  13° 11′·85N., 074° 40′·38E.



**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.

**\*193 (T) (21/22) BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Drilling.**

Source: Myanmar NTM No. 23/2022.

1. Development drilling campaign 2023-2024 (ID) survey area will be carried out by Semi – Tender assist drilling Rig. **GUO HAI TAI HE “GHTH”** (Call Sign; **5LBM6**) from **01 Nov to 31 Dec 2022** in the area bounded by the following Coordinates:-

<b>Point</b>	<b>Position</b>
A	14° 40'.15N., 095° 29'.73E
B	14° 40'.00N., 095° 15'.00E
C	14° 00'.00N., 096° 15'.00E
D	14° 00'.00N., 095° 51'.00E
E	13° 52'.18N., 095° 51'.00E
F	13° 52'.18N., 095° 29'.84E
A	14° 40'.15N., 095° 29'.73E

2. Tentative schedule for drilling with **GUO HAI TAI HE “GHTH” Rig for M 9, ID** at the following Coordinates:-

<b>Name</b>	<b>Position</b>
ZWP-05	14° 24'.53N., 096° 02'.04E
ZWP-06	14° 08'.48N., 095° 51'.41E
ZWP-07	14° 10'.63N., 096° 04'.80E
ZWP-08	14° 19'.10N., 095° 50'.41E
ZWP-12	14° 11'.88N., 095° 36'.73E
ZWP-13	14° 29'.13N., 095° 59'.38E
ZWP-14	13° 59'.90N., 095° 47'.76E
ZWP-15	14° 16'.45N., 096° 05'.25E

3. During the operation period, anchoring, fishing and trawling are prohibited within 04 km and vessels are advised to keep proper clearance from above mentioned area.
4. All positions are in WGS 84 datum.

**Charts Affected – 41 (INT 757)**

**\*194 (T) (21/22) BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea –Construction Activity and Pipeline Installation.**

Source: Myanmar NTM No. 25/2022 and 26/2022

1. Development construction project and Pipeline installation is being carried out by Derrick Crane/Accommodation work Barge “ **HUATIAN LONG DP24,000T**” (CALL SIGN **BSGA**) and vessel “**TIMAS 1201DP2 HEAVY LIFT**” (CALL SIGN **YCXE2**) respectively, till 31<sup>st</sup> August 2023 in the area bounded by the following Coordinates:-

<b>Point</b>	<b>Position</b>
ZMP 12 P/F	14° 11'.88N., 095° 36'.73E
ZMP 13 P/F	14° 29'.13N., 095° 59'.38E
ZMP 15 P/F	14° 16'.45N., 096° 05'.21E
ZMP 14 P/F	13° 59'.90N., 095° 47'.75E

2. During the operation period, anchoring, fishing and trawling are prohibited within 04 km and vessels are advised to keep proper clearance from above mentioned area.
3. All positions are in WGS 84 datum.

**Charts Affected – 41 (INT 757)**

**\*195 (T) (21/22) INDIAN OCEAN – BAY OF BENGAL – Northern Portion (Krishanapatnam to Bassein River) – Drilling.**

Source: Myanmar NTM No. 24/2022.

1. Mariners are warned not to approach within a radius of 05 NM from the points given by the following Coordinates:-

<b>Point</b>	<b>Position</b>
SHS Manifold	19° 41'.74N., 092° 32'.47E
SPS ILT	19° 48'.04N., 092° 27'.77E
SPS Manifold	19° 48'.84N., 092° 26'.65E
PLET – D1	19° 51'.24N., 092° 24'.63E

2. Mariners are warned not to approach within 500 m from both side of gas pipeline connecting between from **SHS Manifold to SHWE Platform** ( 12” Pipeline ) given by the following Coordinates:-

<b>Point</b>	<b>Position</b>
SHS Manifold	19° 41'.74N., 092° 32'.50E
TP-1	19° 41'.46N., 092° 32'.62E
IP-1	19° 41'.13N., 092° 32'.77E
TP-2	19° 40'.78N., 092° 32'.68E
CR-1	19° 40'.57N., 092° 32'.62E
SHP	19° 40'.47N., 092° 32'.60E

3. Mariners are warned not to approach within 500 m from both side of gas pipeline connecting between from **PLET- D1 to SPS Manifold** ( 6” Pipeline ) given by the following Coordinates:-

<b>Point</b>	<b>Position</b>
PLET-D1	19° 51'.24N., 092° 24'.64E
TP-1	19° 50'.96N., 092° 24'.77E
IP-1	19° 50'.73N., 092° 24'.87E
TP-2	19° 50'.57N., 092° 25'.06E
TP-3	19° 49'.82N., 092° 25'.95E
IP-2	19° 49'.73N., 092° 26'.07E
TP-4	19° 49'.60N., 092° 26'.16E
PLET-D2	19° 48'.87N., 092° 26'.66E

4. Mariners are warned not to approach within 500 m from both side of gas pipeline connecting between from **SPS Manifold to SPS ILT** ( 14” Pipeline ) given by the following Coordinates:-

<b>Point</b>	<b>Position</b>
Tie-in point / SPS Manifold	19° 48'.85N., 092° 26'.67E
TP-1	19° 48'.60N., 092° 26'.84E
IP-1	19° 48'.32N., 092° 27'.04E
TP-2	19° 48'.20N., 092° 27'.36E
CR-2	19° 48'.05N., 092° 27'.70E
Tie-in 1 / SPS ILT	19° 48'.03N., 092° 27'.76E

5. Mariners are warned not to approach within 500 m from both side of gas pipeline connecting between from **SPS ILT to SHWE Platform** ( 14” Pipeline ) given by the following Coordinates:-

<b>Point</b>	<b>Position</b>
Tie-in 2 / SPS ILT	19° 48'.03N., 092° 27'.78E
TP-3	19° 47'.86N., 092° 28'.17E
IP-2	19° 47'.71N., 092° 28'.55E
TP-4	19° 47'.36N., 092° 28'.74E
TP-5	19° 46'.40N., 092° 29'.26E
IP-3	19° 46'.32N., 092° 29'.30E
TP-6	19° 46'.26N., 092° 29'.35E
TP-7	19° 41'.88N., 092° 32'.66E

IP-4

19° 41'.38N., 092° 33'.05E

TP-8

19° 40'.81N., 092° 32'.77E

START-UP/TIE-IN POINT/SHP

19° 40'.46N., 092° 32'.60E

6. Until further notice, during the development of Shwe Phyu gas field, unauthorized navigation, anchoring, fishing, trawling and other under water operation are prohibited and vessels are advised to keep proper clearance from above mentioned Coordinates.

7. All positions are in WGS 84 datum.

**Charts Affected – 31 (INT 756)**

## **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 01 Nov 22: -

<b>2021 SERIES</b>	-	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	688	691	702	723	739	743	745	757	761	767	777	778	785	790	791	802	804	
		805	809	810	812	813	814	815	817	818	819	820	821	822	823	825	826	827	828				

3. NAVAREA VIII Warnings issued during the period from 16 Oct 22 to 31 Oct 22 (both dates inclusive) are as tabulated below: -

<b>779. India East Coast - off Chennai.</b> Charts IN 32 313 356 391 INT 7400. Firing by CG aircraft scheduled on 19 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 191230 utc Oct 22.
<b>780. India West Coast - Okha.</b> Charts IN 21 202 203 2068 INT 7319. Firing scheduled on 20 Oct 22 from 0530 to 0730 UTC in danger sector extending upto 12 nm within bearing 300 to 020 from 22-28.75N 069-04.05E. Wide berth from area advised. 2. Cancel this MSG 200830 UTC Oct 22.
<b>781. India West Coast - off Porbandar.</b> Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled 19, 21 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. 2. Cancel this MSG 210630 UTC Oct 22.
<b>782. India West Coast - Gulf of Khambhat.</b> Charts IN 21 255 292 INT 7021. Acoms 11 will carry out pipeline survey in area bounded by 21-04.76N 072-21.28E, 21-04.65N 072-26.80E, 21-01.29N 072-26.72E, 21-01.40N 072-21.21E from 19 to 21 OCT 22. Wide berth requested. 2. Cancel this MSG 211830 UTC Oct 22.
<b>783. India East Coast - off Chennai.</b> Charts IN 32 313 356 391 INT 7400. Firing by CG aircraft scheduled on 21 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 211230 UTC Oct 22.
<b>784. Bay of Bengal.</b> Charts IN 31 7706 INT 706. Experimental flight trial scheduled 21 to 23 Oct 22 from 0330 to 0730 UTC in danger area bounded by 20-48.36N 087-02.58E, 18-14.71N 085-34.55E, 05-26.65N 085-46.01E, 05-52.58N 091-01.05E, 18-31.81N 089-02.15E, 20-48.76N 087-07.40E. Wide berth from area advised. 2. Cancel this MSG 230830 UTC Oct 22.
<b>785. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. Oceanic Sirius will carry out seismic survey in area bounded by 19-22.84N 071-1.39E, 19-22.84N 071-12.90E, 19-12.44N 071-23.29E, 18-49.16N 071-13.53E, 18-49.14N 070-47.34E from 18 Oct to 16 Nov 22. Tow length 10km. wide berth requested. 2. Cancel this MSG 161830 UTC Nov 22.
<b>786. India West Coast - off Bhatkal.</b> Charts IN 22 216 257 294 2356 INT 7023. Firing scheduled 21 to 24 Oct 22 from 0230 to 1130 UTC in danger area bounded by 14-01.05N 074-27.57E, 13-51.05N 074-27.57E, 13-51.05N 074-07.57E, 14-11.05N 074-07.57E, 14-09.05N 074-22.57E. Wide berth from area advised. 2. Cancel this MSG 241230 UTC Oct 22.
<b>787. Bay of Bengal and Indian Ocean.</b> Charts IN 32 7071 7706 INT 71. Rocket launch scheduled 20 Oct to 08 Nov 22 from 1700 to 2100 UTC. 2. Danger zone as follows: Zone-1: Circle of 10 nm around 13-43.2N 080-13.8E. Zone-2: 11-45N 081-20E, 12-10N 081-50E, 11-05N 082-45E, 09-30N 083-15E, 09-15N 082-40E, 10-40N 082-15E. Zone-3: 00-05N 083-45E, 00-05N 085-00E, 05-00S 085-00E, 05-00S 083-45E. 3. Wide berth from area advised. 4. Cancel this MSG 082200 UTC Oct 22.
<b>788. Cancel Navarea VIII MSG 754/22, 755/22 and this MSG. 186(T), 187(T) of INTM 20/22 refers.</b>



<p><b>789. 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 and MMA Vigilant 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 Navarea VIII MSG 776/22 and this MSG 091830 UTC Nov 22.</p>
<p><b>790. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig move. Aban VIII (19-40.40N 071-19.38E). Refer to 178(T) of INTM 19/22. Wide berth requested.</p>
<p><b>791. India West Coast - off Mumbai.</b> Charts IN 21 292 293 253 255 INT 7021. GS Rashi will carry out pipeline survey in area bounded by (a) 19-27.84N 071-45.34E, 19-27.53N 072-12.94E, 18-59.58N 072-20.18E, 19-00.14N 071-46.33E from 20 to 25 Oct 22 (b) 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 25 Oct to 10 Nov 22 (c) 18-46.37N 072-09.43E, 18-43.14N 072-24.05E, 17-58.80N 072-23.18E, 17-59.05N 072-08.57E from 11 to 15 Nov 22 (d) 20-40.94N 071-43.30E, 20-40.49N 072-09.69E, 20-04.21N 072-08.95E, 20-04.63N 071-42.66E from 16 to 20 Nov 22. Wide berth requested.</p> <p>2. Cancel this MSG 201830 UTC Nov 22.</p>
<p><b>792. India West Coast - off Kochi.</b> Charts IN 22 273 7703 INT 703. SW cook will carry out seismic survey area bounded by 08-07.54N 070-14.66E, 07-54.62N 069-15.36E, 08-20.54N 068-55.75E, 09-13.78N 068-39.15E, 10-14.33N 073-11.61E, 09-09.24N 073-32.30E, 09-17.13N 074-06.30E, 08-41.84N 074-18.98E, 07-49.22N 070-21.67E from 20 to 31 Oct 22. Wide berth of 05 nm requested.</p> <p>2. Cancel this MSG 311830 UTC Oct 22.</p>
<p><b>793. Indian Ocean.</b> Charts IN 7703 INT 703. Surface and subsurface firing scheduled from 210330 to 211530 UTC Oct 22 in danger area bounded by 00-00S 060-13E, 04-03N 063-00E, 02-07N 066-47E, 01-53S 064-00E. Wide berth from area advised.</p> <p>2. Cancel this MSG 211630 UTC Oct 22.</p>
<p><b>794. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. Sai sowbhagya progressing pipeline survey in area bounded by 19-27.84N 071-45.34E, 19-27.53N 072-12.92E, 18-59.58N 072-20.18E, 19-00.14N 071-46.33E from 23 to 25 Oct 22. Wide berth requested.</p> <p>2. Cancel this MSG 251830 UTC Oct 22.</p>
<p><b>795. India West Coast - off Karwar.</b> Charts IN 22 257 294 INT 7023. Survey operations being progressed from 210830 to 281800 UTC Oct 22 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 this MSG 281900 UTC Oct 22.</p>
<p><b>796. Cancel Navarea VIII MSG 017/21 and this MSG.</b></p>
<p><b>797. Andaman Sea - off Port Blair.</b> Charts IN 41 405 473 4016 INT 7031. Firing scheduled on 26 OCT 22 from 0900 to 1200 UTC in danger area bounded by 11-40.8N 092-45.9E, 11-38.13N 093-00.7E, 11-30.65N 092-56.9E, 11-26.33N 092-50.27E. Wide berth from area advised.</p> <p>2. Cancel this MSG 261300 UTC Oct 22.</p>
<p><b>798. India East Coast - off Chennai.</b> Charts IN 356 3001 INT 7400. Firing scheduled on 25 OCT 22 from 0830 to 0930 UTC in danger sector extending upto 11 nm between bearing 045 and 075 from 13-07.02N 080-18.01E. Wide berth from area advised.</p> <p>2. Cancel this MSG 251030 UTC Oct 22.</p>
<p><b>799. India West Coast - off Porbandar.</b> Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled 26, 28, 31 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 310630 UTC Oct 22.</p>
<p><b>800. Navarea VIII - warnings in force as on 21 Oct 2022.</b></p> <p><b>2021 SERIES</b> - 147 286 340 387 447 463 478 479 544 629 658 690 759 761 771 833</p> <p><b>2022 SERIES</b> - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 597 601 606 613 615 617 623 646 651 656 682 688 691 702 723 739 743 745 750 757 758 761 767 772 777 778 784 785 786 787 789 790 791 792 794 795 796 797 798 799</p> <p>(a) Navarea VIII warnings less than 42 days promulgated via SafetyNet.</p> <p>(b) Text of NAVAREA VIII warning in force 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 281000 UTC Oct 22.</p>
<p><b>801. India East Coast - off Balasore.</b> Charts IN 31351 352 INT 756. Experimental flight trial scheduled 27, 28, 29 Oct 22 from 0400 to 0800 UTC in danger area bounded by 21-33.78N 087-16.87E, 20-51.13N 088-05.37E, 19-58.77N 087-11.73E, 20-18.46N 086-49.15E, 20-46.91N 087-08.03E, 20-57.35N 086-54.47E. Wide berth from area advised.</p> <p>2. Cancel this MSG 290900 UTC Oct 22.</p>
<p><b>802. India West Coast - off Mumbai.</b> Charts IN 21 293 INT 7022. Albatross 5 will carry out cable route survey</p>

<p><b>802. Continued</b> 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 23 to 26 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 27 to 29 Oct 22 . Length of tow 250 meters from stern. Wide berth requested. 2. Cancel this MSG 291830 UTC Oct 22.</p>
<p><b>803. India West Coast - Gulf of Khambhat.</b> Charts IN 21 255 292 INT 7021. Acoms 11 will carry out pipeline survey in area bounded by 21-04.76N 072-21.28E, 21-04.65N 072-26.80E, 21-01.29N 072-26.72E, 21-01.40N 072-21.21E from 22 to 25 Oct 22. Wide berth requested. 2. Cancel this MSG 251830 UTC Oct 22.</p>
<p><b>804. India West Coast - Jawahar Lal Nehru Port.</b> Charts IN 21 2016 2076 INT 7338. Volvox olympia progressing dredging in area bounded by 18-55.74N 072-55.60E, 18-56.07N 072-55.90E, 18-56.17N 072-55.70E, 18-55.82N 072-55.51E from 22 Oct 22 to 31 Mar 23. Wide berth requested. 2. Cancel this MSG 311830 UTC Mar 23.</p>
<p><b>805. Indian Ocean - off Colombo.</b> Charts IN 32 225 263 INT 7383. Dredging being progressed in areas bounded by (a) 07-06.25N 079-46E, 07-06.52N 079-42.5E, 07-10.5N 079-42.5E, 07-10.5N 079-46E from 21 Oct to 04 NOV 22 (b) 06-56.57N 079-46.07E, 06-56.57N 079-47.79E, 06-56.02N 079-47.24E, 06-56.02N 079-46.70E from 05 Nov 22 to 30 May 23. Wide berth requested. 2. Cancel this MSG 301830 UTC May 23.</p>
<p><b>806. Andaman Sea - off Barren I.</b> Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled 27, 28 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 281130 UTC Oct 22.</p>
<p><b>807. India East Coast - off Sagar I.</b> Charts IN 31 301 351 INT 7419. Firing by CG aircraft scheduled 27, 28 Oct 22 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 281130 UTC Oct 22.</p>
<p><b>808. Bay of Bengal.</b> Charts IN 32 7706 INT 706. Firing scheduled 27, 28 Oct 22 from 0730 to 1230 UTC in danger area bounded within 12-00N to 13-20N and 083-25E to 086-20E. Wide berth from area advised. 2. Cancel this MSG 281330 UTC Oct 22.</p>
<p><b>809. India West Coast - off Mumbai.</b> Charts IN 21 210 255 292 INT 7334. Acoms 11 will carry out pipeline survey in area bounded by 19-42.47N 070-45.40E, 19-41.77N 071-40.37E, 18-55.89N 071-39.67E, 18-55.92N 070-44.90E from 26 Oct to 10 Nov 22. Wide berth requested. 2. Cancel this MSG 101830 UTC Nov 22.</p>
<p><b>810. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig move. Foresight driller IX (18-18.63N 072-21.81E). Refer to 178(T) of INTM 19/22. Wide berth requested.</p>
<p><b>811. India West Coast - off Alappuza.</b> Charts IN 22 260 7706 INT 7362. Firing scheduled 28, 29 Oct 22 from 0430 to 1130 UTC in danger area bounded within 09-17.50N to 09-28.50N and 075-11.50E to 075-21.50E. Wide berth from area advised. 2. Cancel this MSG 291230 UTC Oct 22.</p>
<p><b>812. Bay Of Bengal - off Myanmar.</b> Charts IN 31 BA 817 INT 7430. MV pacific panda progressing survey in vicinity of 19-56N 092-38E, 19-32N 092-37E, 19-32N 092-19E, 19-56N 092-19E. Wide berth from area advised. 2. Cancel this MSG 301830 UTC Nov 22.</p>
<p><b>813. India West Coast - off Mumbai.</b> Charts IN 21 22 292 293 INT 752. Samudra sarvekshak progressing survey in vicinity of 20-25.81N 071-53.78E, 20-21.16N 071-52.83E, 19-25.06N 071-12.76E, 18-46.85N 072-17.12E, 21-39.46N 068-49.27E, 19-02.27N 071-28.55E, 18-17.32N 072-20.92E, 18-58.58N 071-17.51E, 18-59.03N 071-50.45E, 19-32.89N 071-45.60E, 19-22.42N 072-13.51E from 26 Oct to 27 Nov 22. Wide berth requested. 2. Cancel this MSG 271830 UTC Nov 22.</p>
<p><b>814. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig move. Greatdrill chaaru (18-45.73N 072-19.19E). Refer to 178(T) of INTM 19/22. Wide berth requested.</p>
<p><b>815. Andaman Sea - off Middle Andaman I.</b> Charts IN 33 403 473 INT 7031. Coastal triumph progressing geophysical survey in areas bounded by (a) 12-46.43N 092-27.95E, 12-46.43N 092-30.70E, 12-43.73N 092-30.71E, 12-43.72N 092-27.95E (b)12-38.87N 093-05.85E, 12-38.87N 093-08.61E, 12-36.15N 093-08.61E, 12-36.16N 093-05.85E (c) 13-01.66N 093-07.38E, 13-01.65N 093-10.15E, 12-58.94N 093-10.15E, 12-58.95N 093-07.38E from 27 Oct to 27 Nov 22. Wide berth from area advised. 2. Cancel this MSG 271830 UTC Nov 22.</p>

<p><b>816. India West Coast - off Mumbai.</b> Charts IN 21 210 255 292 INT 7334. Seismic survey being progressed by Sanco Star and Rem Andes with node deployment vessel MMA Valour, MMA Vigilant and MMA Monarch 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 Navarea VIII MSG 789/22 and this MSG 091830 UTC Nov 22.</p>
<p><b>817. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. Sai sowbhagya progressing pre-seismic hazard clearance survey in areas bounded by (a) 19-09.09N 071-08.69E, 19-18.81N 071-37.59E, 19-10.85N 071-40.98E, 19-00.86N 071-12.11E (b) 19-19.42N 071-04.56E, 19-29.10N 071-33.33E, 19-18.81N 071-37.59E, 19-09.09N 071-08.69E. Wide berth requested.</p> <p>2. Cancel this MSG 251830 UTC Nov 22.</p>
<p><b>818. India West Coast.</b> Charts IN 211 255 292 INT 7334. Rig ABAN III (18-40.37N 072-21.47E) demobilised. Refer to 178 (T) of INTM 19/22.</p>
<p><b>819. India East Coast - off Gopalpur.</b> Charts IN 31 305 352 353 391 INT 7413. Army air defence firing scheduled from 01 to 08 Nov, 16 to 18 Nov, 22 to 24 Nov 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.</p> <p>2. Cancel this MSG 241530 UTC Nov 22.</p>
<p><b>820. India East Coast - off Paradip.</b> Charts IN 31 352 INT 756. Experimental flight trial scheduled 31 Oct to 02 Nov 22 from 0400 to 0600 UTC and 0900 to 1100 UTC in danger area bounded by 20-48.36N 087-02.58E, 19-54.38N 086-45.7E, 18-03.31N 086-50.48E, 18-08.16N 087-49.3E, 19-58.35N 087-33.95E, 20-48.76N 087-07.4E. Wide berth from area advised.</p> <p>2. Cancel this MSG 021200 UTC Nov 22.</p>
<p><b>821. India West Coast - off Mumbai.</b> Charts IN 21 255 292 293 INT 7022. Albatross 5 will carry out cable route survey in areas bounded by (a) 18-27.61N 071-21.79E, 18-27.27N 071-21.93E, 18-13.69N 070-54.71E, 18-14.16N 070-54.16E, 18-20.86N 071-07.14E FROM 30 to 31 Oct 22 (b) 18-51.04N 072-07.43E, 18-50.8N 072-08.13E, 18-46.47N 072-03.34E, 18-40.27N 071-52.04E, 18-38.45N 071-47.47E, 18-39.85N 071-47.02E, 18-46.69N 072-01.60E, 18-48.31N 072-03.46E from 01 to 04 Nov 22. Length of tow 250 meters from stern. Wide berth requested.</p> <p>2. Cancel this MSG 041830 UTC Nov 22.</p>
<p><b>822. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7334. Offshore supporter will carry out pipeline survey in area bounded by 19-27.84N 071-45.34E, 19-27.53N 072-12.94E, 18-59.58N 072-20.18E, 19-00.14N 071-46.33E from 31 Oct to 06 Nov 22. Wide berth requested.</p> <p>2. Cancel this MSG 061830 Nov 22.</p>
<p><b>823. Navarea VIII - warnings in force as on 28 Oct 2022.</b></p> <p><b>2021 SERIES</b> - 147 286 340 387 447 463 478 479 544 629 658 690 759 761 771 833</p> <p><b>2022 SERIES</b> - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 597 601 606 613 615 617 623 646 651 656 688 691 702 723 739 743 745 757 758 761 767 777 778 785 790 791 792 795 799 801 802 804 805 806 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822</p> <p>(a) Navarea VIII warnings less than 42 days promulgated via safety net.</p> <p>(b) Text of Navarea VIII warning in force 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 041000 UTC Nov 22.</p>
<p><b>824. Bay of Bengal.</b> Charts IN 32 391 INT 754. Buoy adrift 13-25.18N 084-5.1E.</p> <p>2. Cancel this MSG 311830 Oct 22.</p>
<p><b>825. Andaman Sea.</b> Charts IN 33 7706 INT 706. Eagle explorer progressing seismic survey in vicinity of 08-04.65N 089-23.51E, 04-04.65N 092-42.61E, 09-49.17N 092-42.61E, 09-49.17N 093-32.41E, 06-06.29N 093-32.41E, 06-06.29N 092-49.17E, 03-57.51N 091-35.57E, 06-05.78N 090-13.10E, 08-04.65N 089-23.51E. vessel towing streamer of 10 km. Wide berth requested.</p> <p>2. Cancel this MSG 251830 UTC Nov 22.</p>
<p><b>826. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7334. Accommodation barge sea patriot and sea venture progressing hookup activities in vicinity of 19-34.46N 71-21.78E. Wide berth requested.</p> <p>2. Cancel this MSG 011830 UTC Dec 22.</p>
<p><b>827. Andaman Sea - off Narcondam I.</b> Charts IN 7706 BA 830 INT 706. Amazon warrior progressing seismic survey in vicinity of 13-47.42N 094-31.77E, 13-47.45N 095-01.65E, 13-20.75N 095-21.01E, 13-02.50N 095-20.97E, 13-02.44N 094-38.97E, 13-09.21N 094-31.38E. Vessel towing streamer of 10 km. wide berth requested.</p> <p>2. Cancel this MSG 261830 UTC Nov 22.</p>
<p><b>828. India West Coast - off Lakshadweep I.</b> Charts IN 22 273 7703 INT 703. SW cook will carry out seismic survey in area bounded by 08-07.54N 070-14.66E, 07-54.62N 069-15.36E, 08-20.54N 068-55.75E, 09-13.78N 068-</p>

**828. Continued**

39.15E, 10-14.33N 073-11.61E, 09-09.24N 073-32.30E, 09-17.13N 074-06.30E, 08-41.84N 074-18.98E, 07-49.22N 070-21.67E from 01 to 10 Nov 22. Wide berth of 05 nm requested.

2. Cancel this MSG 101830 UTC Nov 22.

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

**West Coast of India Pilot (INP-1)**  
**Chapter - 9 (Page 355)**  
**Essar Bulk Terminal (Salaya) Limited**

*Article 9.67, Insert new para 3,*

3 **Lighterage Operations.** Lighterage operations carried out at anchorage within the designated Salaya anchorage area, marked with following coordinates:-

- (a) 22°30' N, 69°32' E
- (b) 22°30' N, 69°34' E
- (c) 22°32' N, 69°34' E
- (d) 22°32' N, 69°32' E

During lighterage operation, vessel to comply with minimum under keel clearance of 10% of static draft or 2.0m, whichever is greater at all times.



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

**INP 31(1), 2019**

*(Last correction: Edition No. 06 dated 16 Oct 2022)*

NIL

**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.

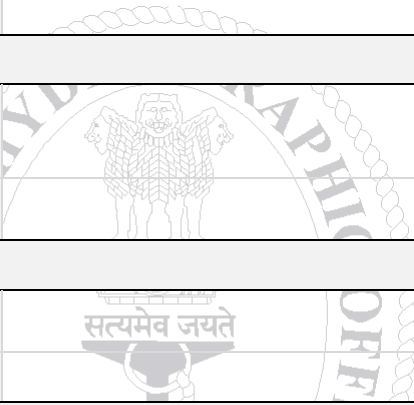

***Please Note:*** - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further,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