

INDIAN NOTICES TO MARINERS



EDITION NO. 05 DATED 01 MAR 2024

(CONTAINS NOTICES 050 TO 053)

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(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

FEEDBACK: 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. Sl Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

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

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

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

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

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

Radio Navigational Warnings.

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

IV

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

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

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

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

Use of Global Positioning System (WGS 84) positions.

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

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

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

NEWLY PUBLISHED INDIAN CHARTS, ENC_s 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 & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
<i>Nil</i>					

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 & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
<i>Nil</i>					

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

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

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

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

5. The new edition 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>
IN3212AA	212	MURUD-JANJIRA HARBOUR TO RATNAGIRI	26-02-2024
IN2260AA	260	KOCHI TO THIRUVANANTHAPURAM	28-02-2024
IN52011G	2011	APPROACHES TO JAIGARH AND ANGRE PORTS	27-02-2024
IN62105A	2105	JAIGARH AND ANGRE PORTS	27-02-2024

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>
IN3212AA	212	MURUD-JANJIRA HARBOUR TO RATNAGIRI	27-07-2023
IN2260AA	260	KOCHI TO THIRUVANANTHAPURAM	28-07-2021
IN52011G	2011	APPROACHES TO JAIGARH AND ANGRE PORTS	25-06-2020
IN62105A	2105	JAIGARH AND ANGRE PORTS	25-06-2020

VI

7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2083 (INT 7339)	APPROACHES TO SIKKA	37500	NEW CHART
262 (INT 7365)	CAPE COMORIN TO PAMBA	300000	NEW EDITION
291	GWADAR TO DWARKA	750000	NEW EDITION
3513	SITTWE HARBOUR	25000	NEW CHART
404 (INT 7439)	ELPHINSTONE HARBOUR TO PORT BLAIR	150000	NEW EDITION

Availability of ENC's

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

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

SECTION – I

The list of charts affected by the Notices 050 to 053 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	052 (T)
22 (INT 752)	3	052 (T)
31 (INT 756)	5	053 (T)
32 (INT 754)	5	053 (T)
207	2	052 (T)
209	3	052 (T)
210	3	052 (T)
211	3	052 (T)
212	3	050
252 (INT 7325)	2	052 (T)
253 (INT 7328)	2	052 (T)
254 (INT 7331)	3	052 (T)
255 (INT 7334)	3	052 (T)
256 (INT 7340)	3	052 (T)
271	2	052 (T)
291	2	052 (T)
292 (INT 7021)	2	052 (T)
293 (INT 7022)	3	052 (T)
355 (INT 7405)	5	053 (T)
391	5	053 (T)
2011	3	050
2012	4	051
2105	3	050
2111	4	051
7071 (INT 71)	1	052 (T), 053 (T)
7072 (INT 72)	1	052 (T)
7073 (INT 73)	1	052 (T), 053 (T)
7705 (INT 705)	1	052 (T)
7706 (INT 706)	1	052 (T), 053 (T)

SECTION – II**PERMANENT NOTICES*****050 (05/24) INDIA – WEST COAST – Jaigarh and Angre Ports – Limit, Legend.**

Source: Jaigarh Port Limited.

Chart 212 [previous update 137/23]

Insert limits of limit of Port of Jaigarh ----- joining; 17° 20'·00N., 073° 13'·31E.
 17° 20'·00N., 073° 02'·90E.
 17° 18'·15N., 073° 01'·10E.
 17° 16'·11N., 073° 01'·93E.
 17° 14'·11N., 073° 03'·51E.
 17° 14'·11N., 073° 13'·93E.

legend, “*Limit of Port of Jaigarh*”, centered on; 17° 14'·40N., 073° 07'·80E.

Chart 2011 [previous update 031/23]

Insert limits of Limit of Port of Jaigarh ----- joining; 17° 20'·00N., 073° 13'·32E.
 17° 20'·00N., 073° 07'·00E.
 legend, “*Limit of Port of Jaigarh*”, centered on; 17° 19'·97N., 073° 10'·97E

Chart 2105 [previous update 031/23]

Insert limits of Limit of Port of Jaigarh ----- joining; 17° 20'·00N., 073° 13'·32E.
 17° 20'·00N., 073° 09'·05E.
 legend, “*Limit of Port of Jaigarh*”, centered on; 17° 19'·98N., 073° 11'·27E

***051 (05/24) INDIA – WEST COAST – Vizhinjam Harbour – Turning Circle.**

Source: Adani Vizhinjam Port Pvt Ltd.

Chart 2012 [previous update 045/24]

Insert Turning Circle with radius of 350 mtr, centered on; 08° 21'·93N., 076° 59'·65E.
 legend, “*TURNING CIRCLE*”, centered on; 08° 21'·93N., 076° 59'·65E.

Chart 2111 [previous update 045/24]

Insert Turning Circle with radius of 350 mtr, centered on; 08° 21'·93N., 076° 59'·65E.
 legend, “*TURNING CIRCLE*”, centered on; 08° 21'·93N., 076° 59'·65E.

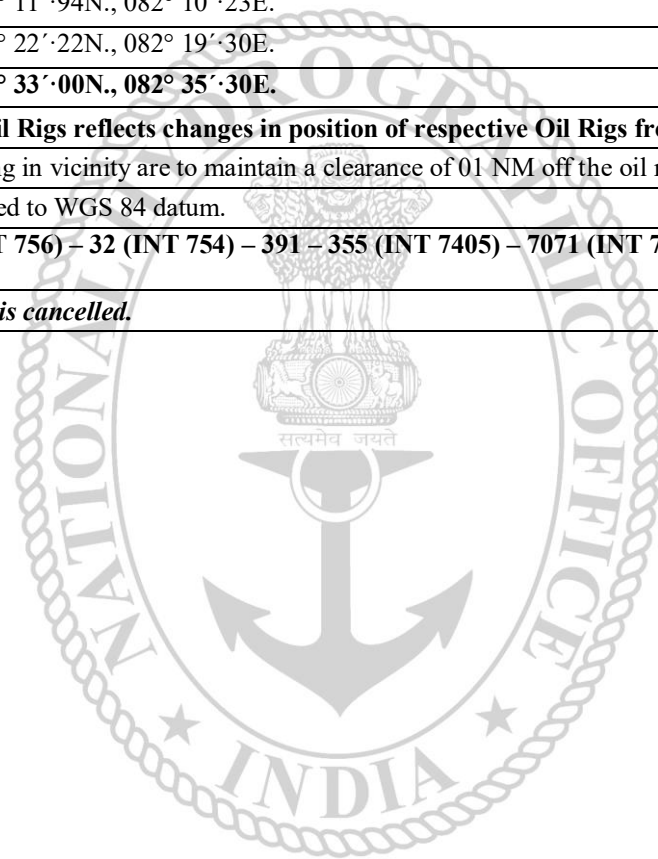
Section – III**TEMPORARY AND PRELIMINARY NOTICES**

1. It is brought to the information to the users that same or all information contained in this Temporary Notices to mariner may have been included in the relevant ENC's.
2. New TPNMs are now part of ENC updates from 01 Oct 22 onwards.
3. All in force Temporary and Preliminary Notices are available for visualisation along with details of affected Charts and ENCs for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on www.hydrobharat.gov.in.

*052 (T) (05/24)	INDIA – WEST COAST – Arabian Sea – Oil Rigs.
Source: NCD, Mumbai.	
1. List of Oil Rigs is as follows: -	
Rig Name	Position
Aban II	19° 48'.29N., 071° 41'.20E.
Aban III	19° 32'.05N., 071°19'.16E.
Aban IV	19° 23'.55N., 071°21'.53E.
Aban VIII	19° 08'.72N., 071° 55'.25E.
Admarine 9	19° 19'.46N., 071° 14'.10E.
CE Thornton	19° 19'.12N., 071° 23'.76E.
Compact Driller	19° 39'.51N., 071° 17'.55E.
Discovery 1	19° 18'.78N., 072° 01'.56E.
FG MC Clinttok	18° 08'.15N., 072° 25'.28E.
Foresight Driller IX	18° 33'.72N., 072° 17'.66E.
Great Drill Chaaru	18° 16'.38N., 072° 22'.82E.
Great Drill Chetna	21° 39'.46N., 068° 49'.26E.
Great Drill Chaaya	18° 39'.23N., 070° 58'.86E.
Great Drill Chitra	19° 21'.46N., 071° 50'.13E.
Jindal Star	19° 40'.40N., 071° 19'.38E.
Jindal Supreme	20° 43'.29N., 071° 43'.77E.
JT Angel	18° 47'.21N., 072° 19'.52E.
Jindal Explorer	19° 10'.88N., 072° 07'.02E.
Key Singapore	18° 55'.85N., 072° 18'.35E.
Parameswara	19° 20'.95N., 071° 24'.39E.
Ron Tappmeyer	18° 45'.65N., 072° 19'.22E.
Sagar Bhushan	19° 42'.94N., 071° 00'.51E.
Sagar Vijay	18° 15'.39N., 070°42'.83E.
Sagar Jyoti	19° 15'.63N., 071° 17'.79E.
Sagar Kiran	20° 02'.25N., 072° 23'.91E.
Sagar Ratna	20° 37'.23N., 072° 21'.77E.
Sagar Uday	19° 27'.52N., 071° 16'.42E.
Sagar Samrat	18° 58'.43N., 071° 37'.44E.
Sagar Gaurav	20° 30'.43N., 072° 26'.90E.
Trident 12	18° 43'.44N., 072° 22'.31E.
Vivekananda 1	18° 37'.94N., 072° 14'.22E.
Virtue 1	19° 00'.48N., 072° 09'.07E.
Victory Driller	19° 15'.30N., 071° 21'.79E.
Armada Sterling I	18° 35'.24N., 071° 02'.08E.
Armada Sterling II	19° 10'.50N., 070° 56'.70E.
Admarine 10	19° 29'.83N., 071° 19'.49E.
DS Fossil	19° 23'.19N., 071° 17'.41E.
DS Fortune	19° 01'.74N., 071° 25'.58E.

2. All Highlighted Oil Rigs reflects changes in position of respective Oil Rigs from previous Notice.
3. All vessels operating in vicinity are to maintain a clearance of 01 NM off the oil rigs.
4. All positions referred to WGS 84 datum
Charts Affected – 21 – 22 (INT 752) – 291– 292 (INT 7021) – 293 (INT 7022) – 252 (INT 7325) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 271 – 207 – 209 – 210 – 211 – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7705 (INT 705) – 7706 (INT 706).
Former INTM 046 (T)/24 is cancelled.

*053 (T) (05/24)	INDIA – EAST COAST – Bay of Bengal – Oil Rigs.
Source: NCD, Mumbai.	
1. List of Oil Rigs is as follows: -	
Rig Name	Position
Platinum Explorer	16° 11'·94N., 082° 10'·23E.
Armada Sterling V	16° 22'·22N., 082° 19'·30E.
KG D6 Ruby	16° 33'·00N., 082° 35'·30E.
2. All Highlighted Oil Rigs reflects changes in position of respective Oil Rigs from previous Notice.	
3. All vessels operating in vicinity are to maintain a clearance of 01 NM off the oil rigs.	
4. All positions referred to WGS 84 datum.	
Charts Affected – 31 (INT 756) – 32 (INT 754) – 391 – 355 (INT 7405) – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706).	
Former INTM 047 (T)/24 is cancelled.	



SECTION – IV**MARINE INFORMATION****1. NAVTEX TRANSMISSION**

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

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

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

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

2. MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS

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

3. DISPLAY ANOMALIES IN ECDIS

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website www.iho.int, 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 for further information.

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

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

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

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

5. **GAGAN SYSTEM COMMISSIONED FOR OPERATIONS**

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

6. **Usage of Thuraya, Iridium and other such Satellite Communication in Indian Waters-Reg.**

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

(f) The ship-owners, ship-masters and ship-agents shall mandatorily require to declare details of such satellite phones prior arrival into Indian Waters through the Pre-Arrival Notification on Security (PANS) systems.

(g) The unauthorized usage of Thuraya, Iridium and other such Satellite equipment shall be prosecuted under Section-6 of Indian Wireless Act and Section-20 of Indian Telegraph Act.

(h) The ship-Owners, Ship-Masters, Ship-Operators, Ship-Agents and other stake holders are intimated for strict compliance of this DGS Order.

(j) This Directorate General of Shipping order No. 09 of 2023 supersedes previous DGS order No. 02 of 2012 dated 17.05.2012 and is entry into force with immediate effect.

7. **CAUTIONARY NOTE**

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

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

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

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

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

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

List of Indian Chart Agents

<p>OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p>M/s VDO Marine Insrtuments Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmain@md4.vsnl.net.in</p>
<p>M/s Global Charts & Nav. Aids Pvt. Limited 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: sales@globalcharts.in Web: www.globalcharts.com.sg</p>	<p>SMS Marine Private Ltd 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@c-map.co.in , raj.chakravorty@smsmap.com Web: www.smsmaps.co.in</p>
<p>M/s C & C Marine Combine 25 Bank Street, 1st Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: vijay@ccmarine.in, sales@ccmarine.in</p>	<p>M/s Global Marine Infratech Pvt. Ltd. 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: tusarkantha@gmiindia.in Web: www.gmiindia.in</p>
<p>M/s JM Maritime Services 24/24C Kavarana Building, Ground Floor, WadiBunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in , charts@mtnl.net.in</p>	<p>L. R. Marine Services 301, 3rd Floor, Biry 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: lrcharts@gmail.com, lrmarine@live.com</p>
<p>M/s Lift o Marine Allen’s Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: sankar@liftmarine.org, liftmarine77@gmail.com Web: www.liftmarine.org</p>	<p>IIC Technologies Limited 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com</p>
<p>M/s Zenith Surveys (I) Pvt. Ltd. Lakhani’sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com nyvmane@yahoo.com Web: www.zenithsurvey.com</p>	<p>M/s CNC 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: sales@emariner.net</p>

SECTION – V

NAVAREA – VIII WARNINGS IN FORCE.

1. All in force NAVAREA and NAVTEX messages are available for visualisation along with details of affected Charts and ENC's for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on www.hydrobharat.gov.in.
2. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2020.
3. NAVAREA VIII Warnings in force as on 01 Mar 24: -

2022 SERIES - 134 162 237 461 519
2023 SERIES - 116 161 178 240 386 455 456 484 574 604 622 655 675 703 733 741 748 750 929 1046 1057 1061 1062
2024 SERIES - 032 036 044 052 066 094 120 123 126 131 132 142 144 145 146 152 158 159 160 163 170 173 175 179 180 181 185 188 189 193 194 196 199 204 205 206 212 213 215 219 223 224 225 226 227 228 229 230

4. NAVAREA VIII Warnings issued during the period from 16 Feb 24 to 29 Feb 24 (both dates inclusive) are as tabulated below: -

183. India West Coast - off Mumbai. Charts IN 22 292 7705 INT 7021. Firing scheduled from 161831 UTC to 171831 UTC Feb 24 in danger area bounded within 17-43N to 18-13N and 069-38E to 070-08E. Wide berth from area advised. 2. Cancel this MSG 171931 UTC Feb 24.
184. India West Coast - off Ponnani. Charts IN 22 259 7706 INT 7356. Firing by CG aircraft scheduled 19 to 22 Feb 24 from 0430 to 1030 UTC in danger area bounded within 10-20N to 10-50N and 075-00E to 075-35E. Wide berth from area advised. 2. Cancel this MSG 221130 UTC Feb 24.
185. India West Coast. Charts IN 21 255 292 INT 7021. Rig move. Sagar Gaurav (20-30.43N 072-26.90E), Jindal Explorer (19-10.88N 072-07.02E). Refer to 046(T) of INTM 04/24. Wide berth requested.
186. Cancel NAVAREA VIII MSG 074/24, 090/24, 121/24, 124/24, 125/24, 147/24 and this MSG. INTM 04/24, 046 (T), 047(T) refers.
187. NAVAREA VIII - Warnings in force as on 16 Feb 2024 2022 Series - 134 162 237 461 519 2023 Series - 116 161 178 240 386 455 456 484 574 604 622 655 675 703 733 741 748 750 929 1046 1057 1061 1062 2024 Series - 025 032 036 052 066 093 094 113 114 118 120 123 126 130 131 132 136 142 144 145 146 152 155 158 159 160 163 167 170 172 173 175 177 178 179 180 181 183 184 185 186 (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 231000 UTC Feb 24.
188. India West Coast - off Dwarka. Charts IN 204 252 292 INT 7021. Fishing boat Gajraj reported sunk in approximate position 21-54.12N 068-59.76E.
189. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. Seamec III will carry out pipeline survey from 17 Feb to 15 May 24 in vicinity of 18-34.11N 072-13.45E, 18-37.23N 072-14.94E, 19-38.89N 071-20.92E, 19-23.48N 071-25.18E, 19-18.80N 071-24.95E, 19-20.90N 071-24.40E, 19-25.08N 071-23.36E, 19-22.41N 071-21.56E, 19-36.15N 071-21.11E, 19-34.39N 071-21.74E, 18-45.65N 072-19.21E, 18-42.51N 072-20.42E, 18-43.49N 072-20.30E, 18-29.37N 072-14.74E, 18-08.44N 072-22.08E, 21-03N 072-23E. Wide berth requested. 2. Cancel this MSG 151830 UTC May 24.
190. India West Coast - off Trivandrum. Charts IN 22 222 260 261 INT 752. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled from 210530 to 210700 UTC Feb 24. Danger sector from launcher (a) Radius of 05 Nm between azimuth 190 and 300 (b) Between radii of 45 Nm and 75 Nm and azimuth 220 and 260. Wide berth from area advised. 2. Cancel this MSG 210800 UTC Feb 24.

<p>191. Andaman Sea - off Barren I. Charts IN 41 473 7706 INT 7031. Firing by aircraft scheduled from 210800 to 211000 UTC Feb 24 in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised.</p> <p>2. Cancel this MSG 211100 UTC Feb 24.</p>
<p>192. India West Coast - off Daman. Charts IN 21 254 292 INT 7331. Firing by CG aircraft scheduled 21 and 22 Feb 24 from 0230 to 1130 UTC in danger area bounded within 20-26N to 20-40N and 072-27E to 072-40E. Wide berth from area advised.</p> <p>2. Cancel this MSG 221230 UTC Feb 24.</p>
<p>193. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. CS Maram progressing submarine cable repairs in area bounded by 18-56.58N 071-40.85E, 18-54.16N 071-40.67E, 18-57.81N 072-03.83E, 18-55.39N 072-03.96E. Wide berth requested.</p> <p>2. Cancel this MSG 011830 UTC Mar 24.</p>
<p>194. India West Coast - off Hazira. Charts IN 21 254 255 292 INT 7021. Barge Leighton Stealth, AHT Britoil 67 will carry out pipeline laying from 20 Feb to 15 May 24 in vicinity of 21-03.68N 072-25.30E, 21-02.99N 072-23E, 19-20.98N 071-18.14E. Wide berth requested.</p> <p>2. Cancel this MSG 151830 UTC May 24.</p>
<p>195. India East Coast - Tuticorin. Charts IN 32 224 262 2075 INT 7365. Hydrographic survey will be carried out from 20 to 27 Feb 24 in area bounded within 08-39.80N to 08-52.70N and 078-07E to 078-28.20E. Wide berth of 02 Nm requested.</p> <p>2. Cancel this MSG 271830 UTC Feb 24.</p>
<p>196. India East Coast - off Chennai. Charts IN 32 313 356 INT 7400. Firing by CG aircraft scheduled from 230130 to 231130 UTC Feb 24 in danger area bounded within 12-49N to 12-59N and 080-46E to 081-26E. Wide berth from area advised.</p> <p>2. Cancel this MSG 231230 UTC Feb 24.</p>
<p>197. India West Coast - off Porbandar. Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled from 230330 to 230830 UTC Feb 24 in danger area bounded by 21-32N 069-24E, 21-17N 069-24E, 21-17N 069-06E, 21-32N 068-56E. Wide berth from area advised.</p> <p>2. Cancel this MSG 230930 UTC Feb 24.</p>
<p>198. Lakshadweep Sea - off Kavaratti I. Charts IN 268 273 2023 INT 7353. Firing scheduled from 230130 to 231130 UTC Feb 24 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.</p> <p>2. Cancel this MSG 231230 UTC Feb 24.</p>
<p>199. West Coast - Gulf of Kachchh. Charts IN 203 2068 INT 7319. Narara buoy (22-35.91N 069-36.12E) retrieved for maintenance.</p>
<p>200. Cancel NAVAREA VIII MSG 177/24 and this MSG.</p>
<p>201. India West Coast - off Kollam. Charts IN 22 220 259 INT 7356. Firing scheduled 24 and 25 Feb 24 from 0430 to 1130 UTC in danger area bounded within 08-30N to 08-45N and 075-15E to 075-30E. Wide berth from area advised.</p> <p>2. Cancel this MSG 251230 UTC Feb 24.</p>
<p>202. Southern Indian Ocean. Charts IN 7070 7073 INT 73. Space debris predicted from 24 Feb to 02 Mar 24 between 2126 UTC and 0426 UTC in area bounded by 08-53S 092-28E, 07-46S 089-27E, 30-12S 061-09E, 40-45S 002-21W, 42-56S 002-24W, 32-16S 063-10E. Wide berth from area advised.</p> <p>2. Cancel this MSG 020526 UTC Mar 24.</p>
<p>203. India East Coast - off Chennai. Charts IN 32 313 356 INT 7400. Firing by CG aircraft scheduled 24, 25 and 26 Feb 24 from 0130 to 1130 UTC in danger area bounded within 13-08N to 13-12.60N and 080-24E to 080-30E. Wide berth from area advised.</p> <p>2. Cancel this MSG 261230 UTC Feb 24.</p>
<p>204. India West Coast - Gulf of Kachchh. Charts IN 202 203 291 2031 INT 7326. Mithapur buoy Semi submerged unlit and drifted to new position 22-25.08N 068-51.92E.</p>
<p>205. India East Coast - off Paradip. Charts IN 31 351 352 7706 INT 756. Baba Saheb 23, MAA Bhagyalaxmi, KGN 1 and Sai Laxmi 3 progressing survey in area bounded by 19-07.71N 084-48.26E, 19-06.27N 084-50.48E, 19-40.40N 085-59.49E, 20-31.41N 087-16.94E, 21-13.21N 087-33.08E, 21-34.31N 087-20.88E, 21-09.74N 086-49.84E, 20-29.83N 086-48.19E, 19-47.43N 085-49.49E, 19-23.19N 085-00.29E. Wide berth requested.</p> <p>2. Cancel this MSG 311830 UTC Mar 24.</p>
<p>206. India East Coast - off Kakinada. Charts IN 31 355 391 INT 7405. SW BLY progressing seismic survey in area bounded by 16-30.40N 082-41.30E, 16-05.90N 082-41.90E, 16-06.30N 082-04.70E, 16-17.30N 082-04.50E, 16-26.50N 082-15.80E, 16-30.60N 082-21.20E. Wide berth requested.</p> <p>2. Cancel this MSG 161830 UTC May 24.</p>
<p>207. India East Coast - off Visakhapatnam. Charts IN 31 32 391 7706 INT 756. Firing scheduled 24, 25, 26 Feb 24 from 0030 to 0630 UTC, 0730 to 1430 UTC and 27 Feb 24 from 0030 to 0630 UTC in danger areas bounded by (a) 16-36N 085-27.30E, 17-15.70N 084-58.60E, 16-55.90N 084-10.20E, 16-15.20N 084-41.80E (b) 17-35.50N 083-24.40E, 17-47.90N 083-40.50E, 17-13.80N 084-18E, 17-00.90N 084-01.30E (c) 16-12.20N 083-15.40E, 16-12N 084-17E, 15-40N</p>

<p>207. Continued. 084-17E, 15-40.80N 083-14.90E (d) 17-41N 084-50E, 18-10N 085-44E, 17-45N 086-00E, 17-15N 085-07E AND 25, 26 Feb 24 from 0030 to 0630 UTC, 0730 to 1430 UTC and 27 Feb 24 from 0030 to 0630 UTC in danger area bounded by (e) 19-03.90N 085-15.80E, 18-32.20N 084-46.90E, 18-25N 085-17.30E, 18-55.30N 085-46.20E Wide berth from area advised. 2. Cancel this MSG 270730 UTC Feb 24.</p>
<p>208. Andaman Sea - off Port Blair. Charts IN 41 404 473 INT 7031. Firing scheduled 27 and 28 Feb 24 from 0830 to 1200 UTC in danger area bounded by 11-40.80N 092-45.90E, 11-38.13N 093-00.70E, 11-30.65N 092-56.90E, 11-26.33N 092-50.27E. Wide berth from area advised. 2. Cancel this MSG 281300 UTC Feb 24.</p>
<p>209. India East Coast - Chennai. Charts IN 33 313 356 3001 INT 7400. Firing scheduled from 270830 to 270930 UTC Feb 24 in danger sector extending upto 11 Nm between bearing 045 and 075 from 13-07.02N 080-18.01E. Wide berth from area advised. 2. Cancel this MSG 271030 UTC Feb 24.</p>
<p>210. India West Coast - Okha. Charts IN 21 203 292 INT 7021. Firing scheduled from 270530 to 270730 UTC Feb 24 in danger area bounded by 22-39.40N 069-09.32E, 22-28.45N 069-17.00E, 22-28.45N 068-51.05E, 22-35.39N 068-53.25E. Wide berth from area advised. 2. Cancel this MSG 270830 UTC Feb 24.</p>
<p>211. India East Coast - Visakhapatnam. Charts IN 31 354 391 3002 7706 INT 7408. Firing scheduled from 280030 to 280130 UTC Feb 24 in danger area bounded by (a) 17-42N 083-18E (b) 17-48N 083-35E (c) 17-31N 083-32E and arc of 17 Nm radius joining point B and C. Wide berth from area advised. 2. Cancel this MSG 280230 UTC Feb 24.</p>
<p>212. Southern Indian Ocean. Charts IN 7070 7073 INT 73. Space debris predicted from 28 Feb to 05 Mar 24 between 1458 UTC and 2227 UTC in area bounded by 08-53S 092-28E, 07-46S 089-27E, 30-12S 061-09E, 40-45S 002-21W, 42-56S 002-24W, 32-16S 063-10E. Wide berth from area advised. 2. Cancel this MSG 052327 UTC Mar 24.</p>
<p>213. NAVAREA VIII - Warnings in force as on 23 Feb 2024 2022 Series - 134 162 237 461 519 2023 Series - 116 161 178 240 386 455 456 484 574 604 622 655 675 703 733 741 748 750 929 1046 1057 1061 1062 2024 Series - 032 036 052 066 094 113 114 118 120 123 126 131 132 142 144 145 146 152 158 159 160 163 170 173 175 179 180 181 185 188 189 193 194 195 196 199 201 202 203 204 205 206 207 208 209 210 211 212 (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 011000 UTC Mar 24.</p>
<p>214. West Coast - off Dabhol. Charts IN 22 2008 256 293 INT 7340. Wave rider buoy deployed at 14-50.01N 074-02.51E reported adrift. Last known position 17-25.21N 072-23.15E on 23 Feb 24. 2. Cancel THIS MSG 261830 UTC FEB 24.</p>
<p>215. India West Coast - off Kochi. Charts IN 22 220 2004 2045 INT 7360. Fishing trawler Santa Maria reported sunk in approximate position 09-56.47N 076-13.85E.</p>
<p>216. Andaman Sea - off Port Blair. Charts IN 41 404 473 INT 7031. Firing scheduled from 290830 to 291200 UTC Feb 24 in danger area bounded by 11-39.7N 092-46.3E, 11-40.6N 092-47E, 11-38.7N 092-53.1E, 11-32.9N 092-48.3E. Wide berth from area advised. 2. Cancel this MSG 291300 UTC Feb 24.</p>
<p>217. India West Coast - off Kochi. Charts IN 22 220 260 INT 7362. Firing by aircraft scheduled 27 to 29 Feb 24 from 0230 to 1130 UTC in danger area bounded by 09-50N 076-08E, 09-55N 076-06E, 09-54.03N 076-01.01E, 09-46.52N 076-03.30E. Wide berth from area advised. 2. Cancel this MSG 291230 UTC Feb 24.</p>
<p>218. India East Coast - off Visakhapatnam. Charts IN 31 354 INT 7408. Firing scheduled from 280200 to 280400 UTC Feb 24 in danger area bounded within 17-02N TO 17-22N and 083-20E to 083-40E. Wide berth from area advised. 2. Cancel this MSG 280500 UTC Feb 24.</p>
<p>219. India East Coast - off Visakhapatnam. Charts IN 31 354 INT 7408. Firing scheduled from 010830 to 011230 UTC Mar 24 in danger area bounded by 17-01N 083-30E, 16-27N 084-08E, 17-00N 084-47E, 17-33N 084-09E. Wide berth from area advised. 2. Cancel this MSG 011330 UTC Mar 24.</p>
<p>220. Cancel NAVAREA VIII MSG 202/24 and this MSG.</p>
<p>221. Andaman Sea - off Barren I. Charts IN 41 473 7706 INT 7031. Firing by aircraft scheduled from 280800 to 281000 UTC Feb 24 in danger area bounded within 11-50N to 12-00N and 093-40E TO 094-10E. Wide berth from area advised.</p>

<p>221. Continued. 2. Cancel this MSG 281100 UTC Feb 24.</p>
<p>222. India East Coast - Manappad. Charts IN 32 223 224 262 INT 7365. Rocket launch from 08-22N 078-02E scheduled 28 to 29 Feb 24 from 0430 to 0830 UTC. Danger sector (a) Circle of 05 Nm around launcher (b) Radii of 45 Nm and 75 Nm between azimuth 165 and 205. Wide berth from area advised. 2. Cancel this MSG 290930 UTC Feb 24.</p>
<p>223. India East Coast - off Balasore. Charts IN 31 301 351 3011 INT 7419. IAF exercise scheduled from 28 Feb to 05 Mar 24 from 0430 to 0630 UTC and 0900 to 1100 UTC in danger area bounded by (a) 20-57N 086-54E (b) 21-41N 087-45E (c) 21-31N 087-42E (d) 21-13N 087-23E (e) 21-00.38N 087-02.85E. Danger area extending up to coastline joining point A and B. Wide berth from area advised. 2. Cancel this MSG 051200 UTC Mar 24.</p>
<p>224. India West Coast - Kochi. Charts IN 22 220 259 2004 INT 7356. Firing scheduled (a) 01, 08, 15, 22, 29 Mar 24 from 0900 to 1200 UTC and 1230 to 1430 UTC and (b) 04, 11, 18, 25 Mar 24 from 0900 to 1200 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. Wide berth from area advised. 2. Cancel this MSG 291530 UTC Mar 24.</p>
<p>225. India East Coast - off Gopalpur. Charts IN 31 305 352 353 391 INT 7413. Army air defence firing scheduled 01 to 03 Mar 24, 14 to 16 Mar 24, 21 to 23 Mar 24, 28 to 30 Mar 24 from 0130 to 0830 UTC and 0930 to 1430 UTC in danger area bounded by (a) 19-14.6N 084-53.7E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and arc of 41 Nm radius joining point B and C. Wide berth from area advised. 2. Cancel this MSG 301530 UTC Mar 24.</p>
<p>226. India West Coast - off Porbandar. Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled from 010330 to 010830 UTC Mar 24 in danger area bounded by 21-32N 069-24E, 21-17N 069-24E, 21-17N 069-06E, 21-32N 068-56E. Wide berth from area advised. 2. Cancel this MSG 010930 UTC Mar 24.</p>
<p>227. Lakshadweep Sea - off Kavaratti I. Charts IN 22 268 273 INT 7353. Firing scheduled on 01 Mar 24 from 0230 to 1130 UTC in danger area bounded within 10-15N to 10-30N and 072-40E to 072-55E. Wide berth from area advised. 2. Cancel this MSG 011230 UTC Mar 24.</p>
<p>228. India West Coast - off Mormugao. Charts IN 22 293 7705 INT 752. Firing scheduled from 040230 to 071230 UTC Mar 24 in danger areas bounded by (a) 15-36N 071-50E, 14-39N 073-40E, 14-00N 074-00E, 13-37N 073-00E, 14-31N 071-24E (b) 17-23N 070-35E, 16-58N 071-25E, 16-24N 072-09E, 14-31N 071-24E, 16-15N 068-37E. Wide berth from area advised. 2. Cancel this MSG 071330 UTC Mar 24.</p>
<p>229. India West Coast. Charts IN 21 255 292 INT 7021. Rig move. JT Angel (18-34.96N 072-14.46E), GD Chaaya (18-36.10N 071-01.60E). Refer to 046(T) of INTM 04/24. Wide berth requested.</p>
<p>230. India West Coast - off Alappuzha. Charts IN 22 221 260 INT 7362. Firing scheduled 01 and 02 Mar 24 from 0430 to 1130 UTC in danger area bounded within 09-09N to 09-19N and 075-52E to 076-02E. Wide berth from area advised. 2. Cancel this MSG 021230 UTC Mar 24.</p>

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D6891	- Handrema. Dir Lt 191.7°	12 41.12 S 45 06.38 E	Dir WRG 4s	109	W10 R10 G10	Beacon 6 *	Iso G187.2°-192.2° (5°). Iso W192.2°-195.2° (3°). Iso R195.2°-199.2° (4°) *
D6892.1	- Chissioua Mtsongoma. Ldg Lts 174°. Rear. Pointe de Bandraboua. 0.76M from front	12 42.07 S 45 07.80 E	VQ W	45	11	Beacon 5	Intens 9° each side of leading line *
D7297.0901	SC2 *	29 48.34 N 32 32.60 E *	FI W 10s	5	9	Red o on red and white striped beacon	. . *
D7404.1	- Khawr Al Qulay'ah. Ldg Lts 323°43'. Rear. 370m from front. No 2	26 11.16 N 50 39.26 E *	IQ W 8s	9	. .	Δ on , ∇ on metal tripod 8	<i>fl 3</i>
D7671	- Khowr-e-Deyreh. Ldg Lts 043°. Front. A *	29 01.76 N 50 48.69 E *	Oc W 6s	4	9	White pile beacon	. . *
D7671.1	- Khowr-e-Deyreh. Ldg Lts 043°. Rear. 0.6M from front.B *	29 02.24 N 50 49.19 E *	Iso W 4s	8	8	White pile beacon	. .
D7671.4	- No 24	28 59.86 N 50 50.12 E *	FI(3)R 12s	4	7	Red pile beacon	. .
F1614.5	- Kuala Langat	02 48.08 N 101 24.26 E	FI G 4s	. .	5	Beacon	Destroyed (T) 2021 *
F1778	SELAT RIAU Remove from list; deleted						

8.1

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2019

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

NIL

INP 31(2), 2019

(Last correction: Edition No. 11 dated 01 Jun 2023)

NIL

INP 31(5), 2021

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

NIL

INP 31(6), 2018

(Last correction: Edition No. 24 dated 16 Dec 2023)

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, inoh@navy.gov.in
 Fax No. : +91-135- 2748373
 Web : www.hydrobharat.gov.in

Instructions for filling up IH 102

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

Position Reporting

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

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

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

Depth Reporting

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

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

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

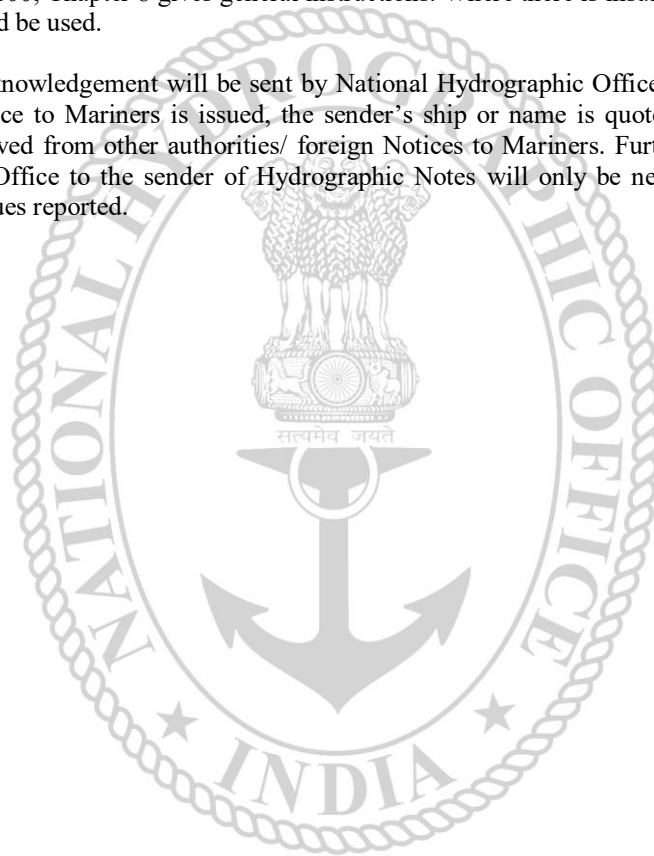
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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

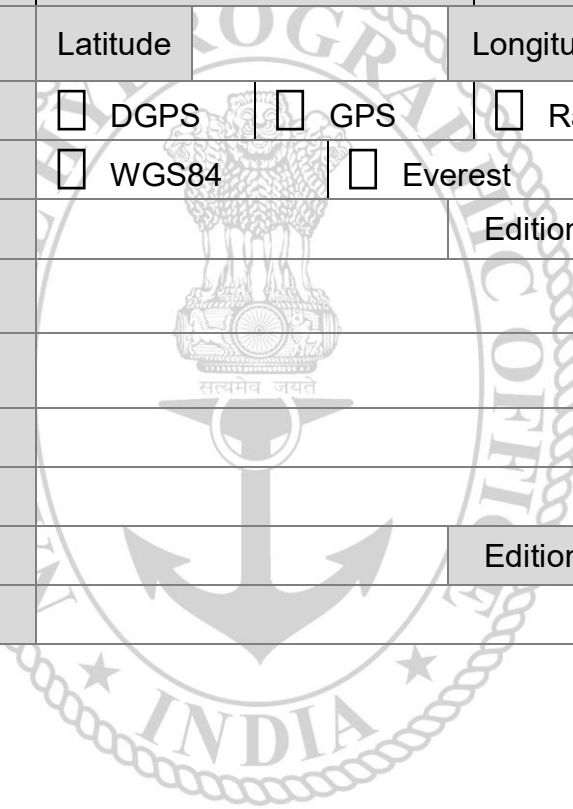
8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

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

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

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



HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, 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					

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

7. TUGS (Continued)	
Requesting authority	
Availability timing / Communication	
Hiring charges	
8. BERTHING AND WHARVES	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
9. CARGO HANDLING	
Containers	
Lighters & Ro-Ro etc.	
10. CRANES	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
11. BRIDGES	
Vertical clearance	
12. REPAIRS	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
13. SERVICES	
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	

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



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: mrcc-west@indiancoastguard.nic.in

NATION WIDE SAR TELE: 1554 (LAND LINE)

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

AFTN: VABBYXYC