INDIAN
NOTICES TO MARINERS

EDITION NO. 05 DATED 01 MAR 2025

(CONTAINS NOTICES 054 TO 056)

REACH US 24 x 7

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

FEEDBACK: msis-inho-navy@nic.in

INSIST ON INDIAN CHARTS AND PUBLICATIONS

Original, Authentic and Up-to-Date

MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

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

Chief Hydrographer
to the Government of India

WARNING AGAINST USE OF COUNTERFEIT PRODUCTS

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

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

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

New Updates

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

III

EXPLANATORY NOTES

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

(a) Geographical positions given are in the horizontal datum of the current edition of the chart, unless otherwise stated.

(b) Bearings are true, reckoned clockwise from 000° to 359°. Bearings to lights are from seaward.

(c) Symbols referred to, are those shown on the chart 5020 (INT 1).

(d) Alterations to depth contours, deletion of depths to make way for new detail, etc; are not normally mentioned, unless they have some navigational significance.

(e) Blocks and notes, if any, accompanying the Notices in Sections II and III are placed after Section X.

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

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

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

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

(a) These corrections should be incorporated as per instructions given on page XI of the List of Lights.

(b) Such correction notices to list of lights may be published in either an earlier or a later Edition of N to M than the Edition containing the Notice to the chart correction.

(c) The range of a light given is its nominal range. Its geographical range is given in parenthesis only if it is less than the nominal range.

(d) A star indicates that the corresponding field is to be amended and all stars indicate that new light is to be inserted**.**

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

Radio Navigational Warnings.

(a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.

(b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.

(c) It should be borne in mind that they may be based on reports which cannot always be verified before promulgation.

(d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/Publication concerned.

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

(a) That no liability whatsoever can be accepted for failure to publish details of any particular law or regulation and

(b) That publication of details of a law or regulation is solely for the safety and convenience of shipping and implies no recognition of the International validity of the law or regulation.

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

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

Use of Global Positioning System (WGS 84) positions.

(a) The positions of hydrographic objects shown on some of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist difference in the position values obtained by visual fixing (Everest Datum) and GPS position (WGS 84 datum).

(b) Wherever these differences have been ascertained, their average values are published as a Cautionary Note on the chart concerned, as shifts in Latitude and Longitude. Whilst plotting GPS positions on charts, the shift values as given on the chart must be applied, before making any assessment of the navigational situation vis-à-vis the other charted information.

(c) These datum shift values are not uniform, particularly in areas off Andaman and Nicobar and Lakshadweep Islands, as these places are not linked to mainland network (Everest datum). Mariners are advised to use alternate source of position information such as Visual or Radar, particularly when closing the shore or navigating in the vicinity of dangers.

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

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

NEWLY PUBLISHED INDIAN CHARTS, ENCs AND PUBLICATION

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

Chart No.	*Date of Publication*	*Title, Limits & Description*	*Scale*	*Folio*	*Price*
2049	**15-01-2025**	**DEVGARH HARBOUR 16° 19'.80N; 73° 15'.00E. 16° 26'.20N; 73° 24'.10E.**	**25,000**	**4**	**Rs. 2000.00**
2553	**15-01-2025**	**PRASLIN ISLAND 04° 25'.00S; 55° 38'.00E. 04° 16'.20S; 55° 51'.40E.**	**25,000**	**1**	**Rs. 2000.00**
4187	**15-11-2024**	**PULO MILLOW ANCHORAGE; MEROE ISLAND 07° 19'.00S; 93° 33'.70E. 07° 32'.40S; 93° 42 '.50E.**	**25,000**	**6**	**Rs. 2000.00**

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

Chart No.	*Date of Publication*	*Title, Limits & Description*	*Scale*	*Folio*	*Price*
2001	**15-01-2025**	**MUMBAI DOCKS 18° 54'.70N; 72° 49'.85E. 19° 00'.00N; 72° 53'.50E.**	**10,000**	**5**	**Rs. 2000.00**
2123	**15-01-2025**	**ULWA CHANNEL 18° 57'.50N; 72° 57'.10E. 19° 01'.00N; 73° 02'.70E.**	**10,000**	**2**	**Rs. 2000.00**
2123	**15-01-2025**	**AMBUJA ULWA JETTY 18° 59'.45N; 73° 01'.11E. 18° 59'.85N; 73° 01'.95E.**	**10,000**	**2**	**Rs. 2000.00**

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

Chart No.	*Date of Publication*	*Title*	*On Publication of New Chart/ Edition*	*Date of Publication*
2001	**15-09-2018**	**MUMBAI DOCKS**	**2001**	**15-03-2024**
2041	**15-11-2014**	**DEVGARH HARBOUR**	**2049**	**15-03-2024**
2123	**31-07-2016**	**ULWA CHANNEL ; AMBUJA ULWA JETTY**	**2123**	**15-01-2025**
4206-I (PLAN)	**31-12-2021**	**PULO MILLOW ANCHORAGE**	**4187**	**15-11-2024**

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

ENC Cell Name	*Chart No.*	*Title*	*Issue Date*
IN52049A	**2049**	**DEVGARH HARBOUR**	**24-02-2025**
IN52553A	**2553**	**PRASLIN ISLAND**	**24-02-2025**
IN54187B	**4187**	**PULO MILLOW ANCHORAGE**	**21-02-2025**

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

ENC Cell Name	*Chart No.*	*Title*	*Issue Date*
IN62001U	**2001**	**MUMBAI DOCKS**	**24-02-2025**
IN62123U	**2123**	**ULWA CHANNEL**	**21-02-2025**
IN43026N	**3026**	**APPROACHES TO VADAREVU AND NIZAMPATNAM BAY**	**27-02-2025**

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

ENC Cell Name	*Chart No.*	*Title*	*Issue Date*
IN62001U	**2001**	**MUMBAI DOCKS**	**06-06-2023**
IN62123U	**2123**	**ULWA CHANNEL**	**23-02-2017**
IN52041E	**2041**	**DEVGARH HARBOUR**	**29-12-2015**
IN54206A	**4206**	**PULO MILLOW ANCHORAGE**	**09-02-2022**
IN43026N	**3026**	**APPROACHES TO VADAREVU AND NIZAMPATNAM BAY**	**12-03-2018**

7. The forthcoming Indian Charts is as follows:-

Chart No	*Title*	*Scale*	*Remarks*
2013 INT (7324)	**PORT OF OKHA**	**12,500**	**NEW EDITION**
2031 INT (7326)	**OKHA HARBOUR**	**37,500**	**NEW EDITION**
2054	**MADHWAD BAY**	**25,000**	**NEW EDITION**

Availability of ENCs

The complete folios of Official Indian ENCs are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENCs 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:

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	**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
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	

SECTION – I

The list of charts affected by the Notices 054 to 056 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
22 (INT 752)	3	054
213	3	056
214	3	054
257 (INT 7343)	4	054
293 (INT 7022)	3	054
2022 (INT 7345)	3	054
2551	1	056
3008	5	055
3026	5	055
4206	6	056
4207	6	056

SECTION – II

PERMANENT NOTICES

***054 (05/25) INDIA – WEST COAST – Approaches to Mormugao – Wrecks.**

Source: IH – 102, INS Makar.

Chart 2022 (INT 7345) [*previous update 130/24*]

Delete		from	15°25′·32N., 073°41′·61E.
Insert		to	15°25′·33N., 073°41′·60E.
Delete		from	15°26′·50N., 073°35′·08E.
Insert		to	15°26′·52N., 073°35′·05E.
Delete		from	15°23′·48N., 073°27′·09E.
Insert		to	15°23′·49N., 073°27′·12E.
Delete		from	15°20′·34N., 073°26′·35E.
Insert		to	15°20′·21N., 073°26′·50E.

Chart 214 [*previous update 130/24*]

Delete		from	15°25′·32N., 073°41′·61E.
Insert		to	15°25′·33N., 073°41′·60E.
Delete		from	15°26′·50N., 073°35′·08E.
Insert		to	15°26′·52N., 073°35′·05E.
Delete		from	15°23′·48N., 073°27′·09E.
Insert		to	15°23′·49N., 073°27′·12E.
Delete		from	15°20′·34N., 073°26′·35E.
Insert		to	15°20′·21N., 073°26′·50E.

Chart 257 (INT 7343) [*previous update 130/24*]

Delete		from	15°25′·32N., 073°41′·61E.
Insert		to	15°25′·33N., 073°41′·60E.

***054 (05/25) INDIA – WEST COAST – Approaches to Mormugao – Wrecks. (Continued)**

Delete		from	15°26′·50N., 073°35′·08E.
Insert		to	15°26′·52N., 073°35′·05E.
Delete		from	15°23′·48N., 073°27′·09E.
Insert		to	15°23′·49N., 073°27′·12E.
Delete		from	15°20′·34N., 073°26′·35E.
Insert		to	15°20′·21N., 073°26′·50E.

Chart 293 (INT 7022) [*previous update 130/24*]

Delete		from	15°25′·32N., 073°41′·61E.
Insert		to	15°25′·32N., 073°41′·61E.
Delete		from	15°26′·50N., 073°35′·08E.
Insert		to	15°26′·52N., 073°35′·05E.
Delete		from	15°23′·48N., 073°27′·09E.
Insert		to	15°23′·49N., 073°27′·12E.
Delete		from	15°20′·34N., 073°26′·35E.
Insert		to	15°20′·21N., 073°26′·50E.

Chart 22 (INT 752) [*previous update 136/24*]

Delete		from	15°25′·32N., 073°41′·61E.
Insert		to	15°25′·32N., 073°41′·61E.
Delete		from	15°26′·50N., 073°35′·08E.
Insert		to	15°26′·52N., 073°35′·05E.
Delete		from	15°23′·48N., 073°27′·09E.
Insert		to	15°23′·49N., 073°27′·12E.
Delete		from	15°20′·34N., 073°26′·35E.
Insert		to	15°20′·21N., 073°26′·50E.

***055 (05/25) INDIAN – EAST COAST- Nizampatnam Anchorage – Signal tower, water tank.**

Source: IH – 102, INS Jamuna.

Chart 3008 [*previous update 038/15*]

Insert  (Water Tr)

15° 52′·99N., 080° 38′·30E.

15° 53′·03N., 080° 38′·29E.

Chart 3026 [*previous update NC 31 Jan 2018*]

Insert 

15° 52′·99N., 080° 38′·30E.

15° 53′·03N., 080° 38′·29E.

***056 (05/25)**	**Miscellaneous updates to charts.**	
Source: NHO, Dehradun.		
Chart No.	**Previous Updates**	**Details**
213	*073/23*	Insert Chart No. 2049 and Magenta limit as follows: 16° 19′·80N., 073° 15′·00E. 16° 26′·20N., 073° 15′·00E. 16° 26′·20N., 073° 24′·10E. 16° 19′·80N., 073° 24′·10E. 16° 19′·80N., 073° 15′·00E.
		Delete Chart No. 2041 and Magenta limit as follows: 16° 20′·00N., 073° 15′·00E. 16° 26′·00N., 073° 15′·00E. 16° 26′·00N., 073° 24′·18E. 07° 21′·00N., 073° 24′·18E. 16° 20′·00N., 073° 15′·00E.
2551	*039/22*	Insert Chart No. 2553 and Magenta limit as follows: 04° 25′·00S., 055° 38′·00E. 04° 22′·00S., 055° 38′·00E. 04° 22′·00S., 055° 39′·00E. 04° 25′·00S., 055° 39′·00E. 04° 25′·00S., 055° 38′·00E.
4206	*NC 31 Dec 2021*	Insert Chart No. 4187 and Magenta limit as follows: 07° 21′·00N., 093° 33′·70E. 07° 32′·40N., 093° 33′·70E. 07° 32′·40N., 093° 42′·50E. 07° 21′·00N., 093° 42′·50E. 07° 21′·00N., 093° 33′·70E.
4207	*NC 31 Dec 2021*	Insert Chart No. 4187 and Magenta limit as follows: 07° 19′·00N., 093° 33′·70E. 07° 22′·60N., 093° 33′·70E. 07° 22′·60N., 093° 42′·50E. 07° 19′·00N., 093° 42′·50E. 07° 19′·00N., 093° 33′·70E.

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.

NIL

SECTION – IV

MARINE INFORMATION

1. NAVTEX TRANSMISSION

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

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

NAVTEX stations along the Indian coast:-

INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz								
Sl.	**Station Name**	**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, There characteristics and remedial advice. Mariners are reminded that they should access the International Hydrographic Organization (IHO) data presentation and performance check (DPPC) dataset (news links of http.//www.iho.int/srv1) and ensure that all installed ECDIS units are checked.

4. SAFETY FAIRWAYS, RECOMMENDED ROUTES, TRAFFIC SEPARATION SCHEME

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

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

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

5. GAGAN SYSTEM COMMISSIONED FOR OPERATIONS

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

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

(a) Under GMDSS, the usage of Iridium Mobile Satellite communication equipment in the Indian Waters are considered subject to the conditions as outlined under;

(aa) Merchant ships may install and keep the Iridium equipment active in Indian Territorial waters, provided the equipment is registered and certified as per the prevailing rules of the Flag of the ship and is used only on board ship and the portable Iridium sets may not be carried onto Indian Land Territory.

(ab) Iridium Satellite equipment shall be used in GMDSS exclusively for Maritime Radio communications relating to Distress and Safety, Search and Rescue and for receiving Maritime Safety Information (MSI) from ship's fixed installations only.

(ac) The ships transiting or visiting in Indian waters shall continue to declare IMEI number of the equipment in the Pre-Arrival Notification on Security (PANS).

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

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

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

(e) This DGS Order No. 09 of 2023 is to be referred for detailed information on this subject.

7. CAUTIONARY NOTE

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

8. ADVISORY FOR ALL VESSELS NAVIGATING INDIAN WATERS

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

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

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

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

List of Indian Chart Agents

M/s VDO Marine Instruments PO Bag No – 645, 45/271, Shanghar Building, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682003 Tel: +91 4842667157 Fax: +91 4842667121 Email: atmain@md4.vsnl.net.in Web: www.atmain.in	**M/s Global Charts & Nav. Aids Pvt. Limited** 1A, Goa Mansion, Ground Floor, 58, Dr. Sunderlal Bahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: +91-22-22626318, 22626380 Fax: +91-22-22621488 Email: sales@globalcharts.in Web: www.globalcharts.com.sg
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	**M/s JM Maritime Services** 24/24C Kavarana Building, Ground Floor, Wadi Bunder, P.D. Mellow Road, Masjid Bunder East, Mumbai – 400 009 Tel: +91 22 23736756, Fax: +91 22 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in , charts@mtnl.net.in
M/s Lift o Marine Allens Mansion, C6, Nungi Station Road, Batanagar, Kolkata – 700 140 Tel/Fax: +91 33 24924283, +91 9836972027 Email:sankar@liftomarine.org,liftomarine77@gmail.com Web: www.liftomarine.org	**M/s L. R. Marine Services** 301, 3rd Floor, Birya House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Mob: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com
M/s CNC Office No. S-12-92 Haware's Centurion Premises Coop, Soc. Ltd, Plot no 88-91, Sector 19, NERUL, Navi Mumbai – 400 706 Tel: +91 22 22660017/ +91 22 49747575/ +91 7506097212 Cell No: +91 9920654848 Email: sales@emariner.net Web: www.emariner.net	

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 ENCs 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 – 2024.

3. NAVAREA VIII Warnings in force as on 28 Feb 25: -

2023 SERIES - 161 386 484 574 703 733 748 750 929 1046 1057
2024 SERIES - 180 188 215 317 481 539 550 584 600 604 640 669 691 707 709 791 817 843 901 947 958 1063 1085 1089 1111 1113 1118
2025 SERIES - 003 015 024 035 044 046 048 063 073 079 089 091 093 094 095 104 106 108 113 114 121 122 124 127 137 138 142 146 148 149 150 151 154 163 164 168 172 173 176 177 178 179 180 184 189 190 191 192 193 196 198 199 200 201 202 203 205 206 207 208 209 210

4. NAVAREA VIII Warnings issued during the period from 17 Feb 25 to 28 Feb 25 (both dates inclusive) are as tabulated below: -

159. Andaman Sea - off Port Blair. Charts IN 405 473 4016 INT 7031. Firing scheduled 20 and 21 Feb 25 from 1000 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 211300 UTC Feb 25
160. India West Coast - Okha. Charts IN 21 203 292 INT 7021. Firing scheduled from 190530 to 190730 UTC Feb 25 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 190830 UTC Feb 25.
161. India East Coast - Visakhapatnam. Charts IN 31 354 391 3002 INT 7408. Firing scheduled from 190400 to 190500 UTC Feb 25 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 190600 UTC Feb 25.
162. Andaman Sea - off Port Blair. Charts IN 41 404 473 4016 INT 7031. Firing scheduled 19, 25 and 26 Feb 25 from 1230 UTC extending upto 0030 UTC on next day in danger area bounded by 11-40.23N 092-45.75E, 11-37.33N 092-47.93E, 11-40.30N 092-50.00E, 11-40.77N 092-45.97E. Wide berth from area advised. 2. Cancel this MSG 270130 UTC Feb 25.
163. India West Coast. Charts IN 21 256 293 INT 7340. Rig move. Aban VIII (17-33.72N 072-22.86E). INTM 045(T) of 04/25 refers. Wide berth requested.
164. India West Coast - off Mumbai to Daman. Charts IN 21 255 292 INT 7021. Seamec princess progressing pipeline survey in vicinity of 19-34.40N 071-21.60E, 19-31.77N 071-18.07E, 19-20.96N 071-18.09E, 19-07.40N 072-06.45E, 19-20.05N 072-01.20E, 19-20.44N 071-58.35E, 18-34.48N 072-16.76E, 20-08.99N 071-48.24E, 20-08.39N 071-53.14E, 20-02.96N 071-45.71E, 20-16.76N 071-55.65E, 20-13.31N 071-54.79E, 20-20.13N 072-01.32E, 20-36.02N 072-02.23E. Wide berth requested. 2. Cancel this MSG 301830 UTC Apr 25.
165. Cancel NAVAREA VIII MSG 038/25, 066/25, 080/25, 096/25, 105/25, 109/25 and this MSG. INTM 044, 045(T) of 04/25 refers.
166. Indian Ocean - off Somalia. Charts IN 7071 7703 INT 703. Possible hijack of fishing vessel reported in approximate position 09-00N 050-49E on 17 Feb 25. Vessels advised. To keep clear and exercise extreme caution 2. Cancel this MSG 210601 UTC Feb 25.
167. Cancel NAVAREA VIII MSG 143/25 and this MSG.
168. Bay of Bengal. Charts IN 32 7073 7706 INT 706. Subsurface firing scheduled from 200030 UTC Feb to 051800 UTC Mar 25 in danger area bounded by 09-05N 084-11E, 07-20N 084-29E, 07-20N 090-53E, 09-05N 090-34E. Wide berth from area advised. 2. Cancel this MSG 051900 UTC Mar 25.
169. India West Coast - off Kochi. Charts IN 22 220 260 INT 7362. Firing by aircraft scheduled from 200300 to 201130 UTC and 210300 to 210730 UTC Feb 25 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.

169. Continued. 2. Cancel this MSG 210830 UTC Feb 25.
170. India West Coast - off Karanja I. Charts IN 292 2016 2076 INT 7336. Para jumping scheduled from 210430 to 210730 UTC Feb 25 in danger area bounded by 18-55.75N 072-54.13E, 18-56.51N 072-55E, 18-55.88N 072-55.78E, 18-54.81N 072-54.98E. Wide berth from area advised. 2. Cancel this MSG 210830 UTC Feb 25.
171. India West Coast - Hazira. Charts IN 292 2044 2101 INT 7347. DGPS (21-05.49N 072-38.60E) transmission will be switched off from 200330 to 211230 UTC Feb 25 for maintenance. 2. Cancel this MSG 211230 UTC Feb 25.
172. India East Coast - off Kakinada. Charts IN 31 355 391 INT 7405. Mahaxmi-II will carry out metocean survey from 20 Feb to 31 Mar 25 in vicinity of 16-32.04N 082-23.31E. Wide berth of 02 nm requested. 2 Cancel this MSG 311830 UTC Mar 25.
173. India West Coast - off Daman. Charts IN 21 254 292 INT 7331. Vyacheslav tikhonov will carry out seismic survey from 20 Feb to 20 Mar 25 in area bounded by 19-58.07N 071-28.78E, 19-58.85N 072-32.52E, 20-23.14N 072-37.26E, 20-23.44N 071-33.09E. Wide berth of 06 nm requested. 2. Cancel this MSG 201830 UTC Mar 25.
174. India East Coast - Sriharikota. Charts IN 32 313 356 INT 7400. Integrated air drop tests scheduled 24 Feb to 22 Mar 25 from 0030 to 0500 UTC in danger area bounded by 13-38.17N 080-08.92E, 13-42N 080-08.92E, 13-42N 080-14.50E, 13-52N 080-20E, 13-52N 080-40E, 13-18N 080-40E, 13-18N 080-29E, 13-26.50N 080-22E, 13-26.50N 080-18E. Wide berth from area advised. 2. Cancel this MSG 220600 UTC Mar 25.
175. Bay of Bengal - off Balasore. Charts IN 31 351 7706 INT 756. Experimental flight trials scheduled 24 to 26 Feb 25 from 0430 to 0630 UTC and 0900 to 1100 UTC in danger area bounded by 21-14.92N 086-48.63E, 19-45.78N 087-48.07E, 21-02.72N 088-52.75E, 21-28.55N 087-59.30E, 21-35.58N 087-10.70E. Wide berth from area advised. 2. Cancel this MSG 261200 UTC Feb 25.
176. Arabian Sea. Charts IN 7071 7072 7705 INT 705. Sw thuridur will carry out seismic survey from 21 Feb to 20 Mar 25 in area bounded by 12-23.59N 068-27.48E, 11-58.38N 067-58.59E, 11-49.49N 065-25.85E, 14-15.01N 064-44.13E, 14-15.54N 064-17.78E, 18-44.17N 063-02.03E, 19-13.18N 063-36.14E, 22-12.63N 067-11.81E, 23-10.17N 067-48.59E, 23-00.09N 068-06.53E, 21-47.75N 067-26.39E, 20-10.62N 065-20.37E, 13-35.70N 067-09.25E, 13-38.15N 069-08.58E. Wide berth requested. 2. Cancel this MSG 201830 UTC Mar 25.
177. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. Cs etisalat progressing cable repairs in area bounded within 18-58.72N to 19-00.89N and 071-18.86E to 071-35.98E. Wide berth of 01 nm requested. 2. Cancel this MSG 031830 UTC Mar 25.
178. India West Coast - off Daman. Charts IN 21 207 254 INT 7331. Vallianz pegasus will carry out survey from 21 Feb to 05 Mar 25 in vicinity of 20-36.05N 072-02.17E, 20-36.01N 072-02.16E, 20-36.02N 072-02.23E, 20-44.77N 071-55.57E, 20-32.77N 071-58.47E, 20-37.74N 072-04.06E, 20-34.58N 072-00.14E. Wide berth requested. 2. Cancel this MSG 051830 UTC Mar 25.
179. India West Coast - off Vijaydurg. Charts IN 22 213 256 INT 7340. Orion laxmi will carry out survey from 21 Feb to 20 Mar 25 in area bounded by 16-40.04N 073-09.70E, 16-40.14N 073-17.53E, 16-28.77N 073-17.19E, 16-28.74N 073-09.52E. Wide berth requested. 2. Cancel this MSG 201830 UTC Mar 25
180. Southern Indian Ocean. Charts IN 7070 7073 INT 73. Rocket debris predicted 26 Feb to 28 Mar 25 from 1847 to 2004 UTC in danger area bounded by 20-56S 091-13E, 20-56S 094-52E, 30-00S 092-07E, 30-00S 088-07E. Wide berth from area advised. 2. Cancel this MSG 282104 UTC Mar 25.
181. India West Coast - off Kochi. Charts IN 22 220 260 INT 7362. Firing by aircraft scheduled from 240300 to 240800 UTC and 250300 to 251200 UTC Feb 25 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 251300 UTC Feb 25.
182. India East Coast - off Balasore. Charts IN 31 351 7706 INT 706. Experimental flight trials scheduled from 251130 to 251430 UTC Feb 25 in danger area bounded by (a) 20-57N 086-54E (b) 21-13N 087-23E (c) 21-31N 087-42E (d) 21-41N 087-45E. Danger area extending up to coastline joining point a and d. Wide berth from area advised. 2. Cancel this MSG 251530 UTC Feb 25.
183. India East Coast - Chennai. Charts IN 33 313 356 3001 INT 7400. Firing scheduled from 250830 to 250930 UTC Feb 25 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 251030 UTC Feb 25.
184. India West Coast - off Ponnani. Charts IN 22 220 259 INT 7356. Firing by CG aircraft scheduled 24, 25, 27, 28 Feb 25 and 03, 04, 06, 07 Mar 25 from 0330 to 0830 UTC in danger area bounded by 10-30N 075-55E, 10-48N 075-50E, 10-45N 075-30E, 10-15N 075-35E. Wide berth from area advised.

184. Continued.
2. Cancel this MSG 070930 UTC Mar 25.

185. India West Coast - off Daman. Charts IN 209 254 292 INT 7331. Firing by CG aircraft scheduled from 250230 to 251130 UTC Feb 25 in danger area bounded within 20-26N to 20-40N and 072-27E to 072-40E. Wide berth from area advised.
2. Cancel this MSG 251230 UTC Feb 25.

186. Cancel NAVAREA VIII MSG 174/25 and this MSG.

187. NAVAREA VIII - Warnings in force as on 21 Feb 2025.
2023 Series - 161 386 484 574 703 733 748 750 929 1046 1057
2024 Series - 180 188 215 317 481 539 550 584 600 604 640 669 691 707 709 791 817 843 901 947 958 1063 1085 1089 1111 1113 1118
2025 Series - 003 015 024 028 029 035 044 045 046 048 063 068 073 079 089 091 093 094 095 097 099 100 103 104 106 108 111 112 113 114 121 122 124 127 129 130 135 137 138 140 142 146 147 148 149 150 151 152 153 154 157 162 163 164 168 172 173 175 176 177 178 179 180 181 182 183 184 185 186
(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 281000 UTC Feb 25.

188. Southern Indian Ocean. Charts IN 7070 7073 INT 73. Space debris predicted from 250700 to 251300 UTC Feb 25 in danger area bounded by 09-27S 089-17E, 09-20S 088-45E, 06-42S 089-16E, 06-48S 089-48E. Wide berth from area advised.
2. Cancel this MSG 251400 UTC Feb 25.

189. Bay of Bengal. Charts IN 7073 7706 INT 706. Sw bly will carry out seismic survey from 23 Feb to 24 Mar 25 in area bounded by 13-32.42N 083-26.87E, 16-19.40N 086-31.29E, 18-08.31N 089-18.23E, 16-44N 089-25E, 15-42N 090-13E, 15-30.27N 090-33.08E, 10-59.65N 089-10.69E, 10-42.31N 087-52.88E, 11-27N 083-24E, 11-25.11N 083-12.18E. Wide berth of 02 nm requested.
2. Cancel this MSG 241830 UTC Mar 25.

190. India West Coast. Charts IN 21 292 293 INT 7021. Rig move. Ds fossil (19-34.16N 071-07.97E), Ds fortune (17-28.84N 072-24.63E), Divine driller (20-20.16N 072-00.35E). INTM 045(T) of 04/25 refers. Wide berth requested.

191. Bay of Bengal - off Balasore. Charts IN 31 351 7706 INT 756. Experimental flight trials scheduled 27 Feb to 01 Mar and 03 to 05 Mar 25 from 0430 to 0630 UTC and 0900 to 1100 UTC in danger area bounded by 21-14.92N 086-48.63E, 20-50.33N 087-04.78E, 20-47.12N 087-00.80E, 19-24.87N 087-30.68E, 21-02.72N 088-52.75E, 21-28.55N 087-59.30E, 21-35.58N 087-10.70E. Wide berth from area advised.
2. Cancel this MSG 051200 UTC Mar 25.

192. India West Coast. Charts IN 22 292 294 7071 INT 71. Hydrographic survey will be carried out from 25 Feb to 25 Mar 25 in areas bounded within (a) 13-04.50N to 13-34.50N and 069-32E to 070-02.50E (b) 11-44N TO 12-24N and 069-45.50E to 070-26E (c) 10-34.50N to 11-09.50N and 070-18.50E to 070-58E (d) 21-25.95N to 22-03.50N and 068-24.90E to 068-56.60E. Wide berth requested.
2. Cancel this MSG 251830 UTC Mar 25.

193. India East Coast - off Paradip. Charts IN 31 352 7706 INT 756. Ramform soverein progressing seismic survey in area bounded by 19-17.82N 086-10.92E, 19-04.08N 086-00.12E, 18-49.44N 086-00.18E, 18-47.52N 086-41.34E, 19-18N 086-41.34E, 19-18N 086-46.92E, 19-25.08N 086-54.18E, 19-39.90N 086-54.18E, 19-55.20N 086-37.44E, 19-55.20N 086-25.08E, 19-41.40N 085-53.70E, 19-35.88N 085-53.76E. Wide berth of 05 nm requested.
2. Cancel NAVAREA VIII MSG 097/25 and this MSG 241830 UTC Apr 25

194. Cancel NAVAREA VIII MSG 188/25 and this MSG.

195. Southern Indian Ocean. Charts IN 7070 7073 INT 73. Space debris predicted 01 to 02 and 04 to 08 mar 25 from 0012 to 0305 UTC in area bounded by 25-54S 055-00E, 25-01S 073-14E, 19-45S 095-00E, 24-20S 095-00E, 27-45S 070-13E, 28-10S 059-51E, 28-01S 055-00E. Wide berth from area advised.
2. Cancel this MSG 080405 UTC Mar 25.

196. Southern Indian Ocean. Charts in 7070 7073 INT 73. Space debris predicted from 01 to 31 mar 25 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 010059 UTC Apr 25.

197. India East Coast - off Chennai. Charts IN 32 356 391 INT 7400. Firing by CG aircraft scheduled from 280130 to 281130 UTC Feb 25 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 281230 UTC Feb 25.

198. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. Cs recorder will carry out cable laying operations from 27 Feb to 21 Mar 25 in area bounded by 18-59.17N 072-34.06E, 18-55.57N 072-34.08E, 18-36.69N 071-41.32E, 18-19.15N 070-33.74E, 18-12.62N 068-12.60E, 18-16.08N 068-13.11E, 18-22.57N 070-33.01E, 18-40.01N 071-40.19E. Wide

198. Continued.
berth of 01 nm requested.
2. Cancel this MSG 211830 UTC Mar 25.

199. Indian Ocean. Charts IN 7071 7707 INT 707. Abandoned fishing vessel reported adrift in approximate position 02-16.95S 083-26.94E at 262000 UTC Feb 25. Mariners to keep sharp lookout.
2. Cancel this MSG 012000 UTC Mar 25.

200. Bay of Bengal - off Bangladesh. Charts IN 31 BA 90 817 INT 756. Firing by Bangladesh Navy scheduled 01 to 31 Mar 25 (excluding fridays and saturdays) from 0001 to 1600 UTC in danger areas bounded by (a) 21-20.83N 090-34E, 21-41N 091-14E, 21-20.83N 091-28E, 21-00N 090-47.83E (b) 20-07N 090-52E, 20-22N 091-06E, 20-00N 091-36E, 19-44N 091-21E (c) 20-22N 091-06E, 20-46.5N 091-31E, 20-24N 091-59E, 20-00N 091-36E (d) 21-18N 089-31E, 21-18N 089-50E, 21-04N 089-54E, 21-04N 089-34E (e) 20-58N 089-34E, 20-58N 089-54E, 20-34N 089-54E, 20-34N 089-34E. Wide berth from area ADVISED.
2. Cancel this MSG 311700 UTC Mar 25.

201. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. Awb sea patriot and aht sea venture will carry out installation works in vicinity of 19-34.40N 071-21.86E from 01 Mar to 15 May 25. Wide berth REQUESTED..
2. Cancel this MSG 151830 UTC May 25.

202. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. Urja and akship 9 will carry out offshore installation works at various locations in area bounded within 19-15N to 19-38N and 071-12E to 071-25E from 01 to 31 Mar 25. Wide berth REQUESTED.
2. Cancel this MSG 311830 UTC Mar 25.

203. India West Coast - off Daman. Charts IN 21 254 255 292 INT 7021. Ltb 300 with ena pearl and vallianz prestige will carry out pipelay activities in vicinity of 20-16.76N 071-55.66E, 20-36.02N 072-02.23E, 20-20.13N 072-01.32E, 19-31.53N 071-18.30E, 19-34.57N 071-21.36E, 19-21.01N 071-18.08E from 01 to 31 Mar 25. Wide berth REQUESTED.
2. Cancel this MSG 311830 UTC Mar 25.

204. Cancel NAVAREA VIII MSG 195/25 and this MSG.

205. Southern Indian Ocean. Charts IN 7070 7073 INT 73. Space debris predicted 04 to 08 Mar and 10 Mar 25 from 0012 to 0305 UTC, 08 Mar 25 from 1342 to 1635 UTC in area bounded by 25-54S 055-00E, 25-01S 073-14E, 19-45S 095-00E, 24-20S 095-00E, 27-45S 070-13E, 28-10S 059-51E, 28-01S 055-00E. Wide berth from area advised.
2. Cancel this MSG 100405 UTC Mar 25.

206. India West Coast - off Porbandar. Charts IN 21 252 INT 7325. Firing by CG aircraft scheduled 04, 05, 11, 12, 18, 19, 25 and 26 Mar 25 from 0330 to 0830 UTC in danger area bounded by 21-32N 069-24E, 21-17N 069-24E, 21-17N 069-06E, 21-32N 068-56E. Wide berth from area advised.
2. Cancel this MSG 260930 UTC Mar 25.

207. Andaman Sea - off Middle Andaman I. Charts IN 41 473 7706 INT 7031. Firing by aircraft scheduled 04, 11, 18 and 25 Mar 25 from 0830 to 1030 UTC in danger area bounded within 12-50N to 13-00N and 093-40E to 094-10E. Wide berth from area advised.
2. Cancel this MSG 251130 UTC Mar 25

208. India East Coast - off Nagapattinam. Charts IN 32 317 358 INT 7394. Kalimman thunai will carry out survey from 01 to 31 Mar 25 in area bounded by 11-11.41N 079-51.35E, 11-07.16N 079-51.63E, 11-07.27N 080-00.79E, 11-15.04N 080-00.84E, 11-14.88N 079-50.93E. Wide berth of 02 nm requested.
2. Cancel this MSG 311830 UTC Mar 25.

209. Andaman Sea - off Great Nicobar I. Charts IN 41 409 472 INT 7032. Hydrographic survey will be carried out from 02 to 10 Mar 25 in area bounded by 07-04.20N 093-32E, 07-04.20N 093-35E, 07-02N 093-35E, 07-02N 093-37E, 06-55.30N 093-37E, 06-55.30N 093-32E. Wide berth requested.
2. Cancel this MSG 101830 UTC Mar 25.

210. NAVAREA VIII - Warnings in force as on 28 Feb 2025.
2023 Series - 161 386 484 574 703 733 748 750 929 1046 1057
2024 Series - 180 188 215 317 481 539 550 584 600 604 640 669 691 707 709 791 817 843 901 947 958 1063 1085 1089 1111 1113 1118
2025 Series - 003 015 024 035 044 046 048 063 073 079 089 091 093 094 095 104 106 108 113 114 121 122 124 127 137 138 142 146 148 149 150 151 154 163 164 168 172 173 176 177 178 179 180 184 189 190 191 192 193 196 198 199 200 201 202 203 205 206 207 208 209
(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 071000 UTC Mar 25.

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristis	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D6645	*FPSO Coral Sul*	11 12·90 S 41 08·25 E	Lit	. .	. .	Storage Tanker	. .
*	*	*	*	*	*	*	*
D6897	- Dzaoudzi. E Jetty. Head	12 46·92 S 45 15·49 E	Fl R 4s	6	5	White post on stone structure, red top 4	*fl 1.* R135°-045°(270°). **TE 2024**
	*				*		*
D6898	- Mamoudzou. Jetty. Head	12 46·69 S 45 13·95 E	Fl(4)R 15s	5	5	Red framework on shelter 3	*(fl 1, ec 1·5) x 3, fl 1, ec 6·5.* **TE 2024**
	*			*	*	*	*
	JIZAN. N APPROACHES. FARASAN ARCHIPELAGO						
D7299·577	- Jizan Economic City Commercial Port. Ldg Lts 049°. Front	17 17·15 N 42 20·14 E	Fl Bu	. .	. .	Tower	**TE 2024** *
D7299·578	- Jizan Economic City Commercial Port. Ldg Lts 049°. Rear	17 17·50 N 42 20·56 E	Fl Bu	. .	. .	Tower	**TE 2024** *
D7299·579	- Port Entrance	17 16·62 N 42 19·31 E	R	. .	12	Beacon 4	**TE 2024**
	- -	. . *	By day	. .	5	. .	**TE 2024** *
D7299·5795	- Port Entrance	17 16·56 N 42 19·68 E	G	. .	12	Beacon 4	**TE 2024**
	- -	. .	By day	. .	5	. .	**TE 2024** *
D7364·33	- Khawr al Futaysi. AFT-3	24 26·37 N 54 18·63 E	Fl G 3s	. .	5	Green beacon	. .
	*	*			*		
F1160	- Ko Sarani. Mae Nam Ranong Entrance	09 57·72 N 98 35·17 E	Fl W 3s	20	7	White metal framework tower 9	*fl 0·3*
					*		
F1160·1	-	09 57·36 N 98 34·92 E	Iso Y 4s	16	11	□ on yellow beacon	. .
*	*	*	*	*	*	*	*
F1160·2	-	09 57·06 N 98 34·61 E	Iso Y 3s	10	11	□ on yellow beacon	. .
*	*	*	*	*	*	*	*
F1160·4	- Khlong Ranong. No 5	09 56·06 N 98 35·66 E	Fl G 3s	. .	4	Δ on green beacon	. .
*	*	*	*	*	*	*	*
F1160·5	- Khlong Ranong	09 55·96 N 98 35·84 E	Iso Y 4s	16	11	□ on yellow beacon	. .
*	*	*	*	*	*	*	*
F1160·6	- Khlong Ranong	09 55·94 N 98 35·43 E	Iso Y 3s	10	11	□ on yellow beacon	. .
*	*	*	*	*	*	*	*
F1160·7	- Khlong Ranong. No 5	09 55·99 N 98 35·30 E	Fl R 3s	6	4	□ on red beacon	. .
*	*	*	*	*	*	*	*
F1160·8	- No 1	9 55·78 N 98 33·68 E	Fl G 3s	6	4	Δ on green beacon	. .
*	*	*	*	*	*	*	*

	PAKCHAN RIVER						
F1161·03	- Ko Sin Hai	09 53·73 N 98 29·58 E	Fl(2)W 4s	7	7	⨀ on black beacon, red band	. .
*	*	*	*	*	*	*	*
F1161·06	- Bell Passage	09 53·25 N 98 27·79 E	Iso Y 4s	16	11	□ on yellow beacon	. .
*	*	*	*	*	*	*	*
F1161·07	- Bell Passage	09 53·13 N 98 27·61 E	Iso Y 3s	10	11	□ on yellow beacon	. .
*	*	*	*	*	*	*	*
F1161·1	-	09 52·61 N 98 30·62 E	Iso Y 3s	10	11	□ on yellow beacon	. .
*	*	*	*	*	*	*	*
F1161·2	-	09 52·61 N 98 30·89	Iso Y 4s	16	11	□ on yellow beacon	. .
*	*	*	*	*	*	*	*
	BAN THA SON						
F1161·5	- No 5	09 49·49 N 98 34·29 E	Fl G 3s	6	4	Δ on green beacon	. .
*	*	*	*	*	*	*	*
F1161·6	- No 4	09 49·28 N 98 33·90 E	Fl R 3s	6	4	□ on red beacon	. .
*	*	*	*	*	*	*	*
F1161·7	- No 3	09 48·85 N 98 33·57 E	Fl G 3s	6	4	Δ on green beacon	. .
*	*	*	*	*	*	*	*
F1161·8	- No 2	09 48·47 N 98 33·17 E	Fl R 3s	6	4	□ on red beacon	. .
*	*	*	*	*	*	*	*
	PAKCHAN RIVER						
F1161·9	- Ko Chang	09 50·73 N 98 28·63 E	Fl(2)W 4s	7	7	⨀ on black beacon, red band	. .
*	*	*	*	*	*	*	*
	KHLONG SAI KHAO						
F1162·7	- No 2	09 44·44 N 98 32·78 E	Fl R 3s	6	4	□ on red beacon	. .
*	*	*	*	*	*	*	*
F1162·8	- No 1	09 44·27 N 98 32·45 E	Fl G 3s	6	4	Δ on green beacon	. .
*	*	*	*	*	*	*	*
F1163	Ko Phayam	09 43·88 N 98 22·88 E	Fl(2)W 12s	63	10	White metal framework tower 15	*fl 1, ec 2, fl 1, ec 8.* **TE 2015**
					*		
F1165	Ko Luk Kam Tai (Double Island)	09 27.38 N 98 19.65 E	Fl W 8s	76	10	White metal framework tower 15	*fl 0.5*
				*	*		
F1166.1	Ban Thung Nang Dam. No 2	09 14.55 N 98 20.36 E	Fl R 3s	6	4	Red ◘ on white round metal pillar with concrete base	. .
				*	*		
F1166.2	Ban Thung Nang Dam. No 4	09 14.04 N 98 20.94 E	Fl R 3s	6	4	Red ◘ on white round metal pillar with concrete base	. .
				*	*		
F1166.3	Ban Thung Nang Dam. No 6	09 13.63 N 98 21.99 E	Fl R 3s	6	4	Red ◘ on white round metal pillar with concrete base	. .
				*	*		
	BELAWAN CHANNEL						
F1356·05	Remove from list; deleted						

F1362·13	-	03 47·86 N 98 43·64 E	Fl W	. .	. .	White pile beacon	. .						
*	*	*	*	*	*	*	*						
	BELAWAN CHANNEL												
F1371·2	Remove from list; deleted												
F1371·3	- Pertamina Jetty	03 47·38 N 98 42·57 E	Fl Y	. .	. .	Yellow × on yellow beacon	. .						
*	*	*	*	*	*	*	*						

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2024

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

NIL

INP 31(2), 2024

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

NIL

INP 31(5), 2021

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

NIL

INP 31(6), 2023

(Last correction: Edition No. 02 dated 16 Jan 2025)

PAGE 78, INDIA, NEW MANGALORE, Procedure section, para 5(a)

Delete and replace by:

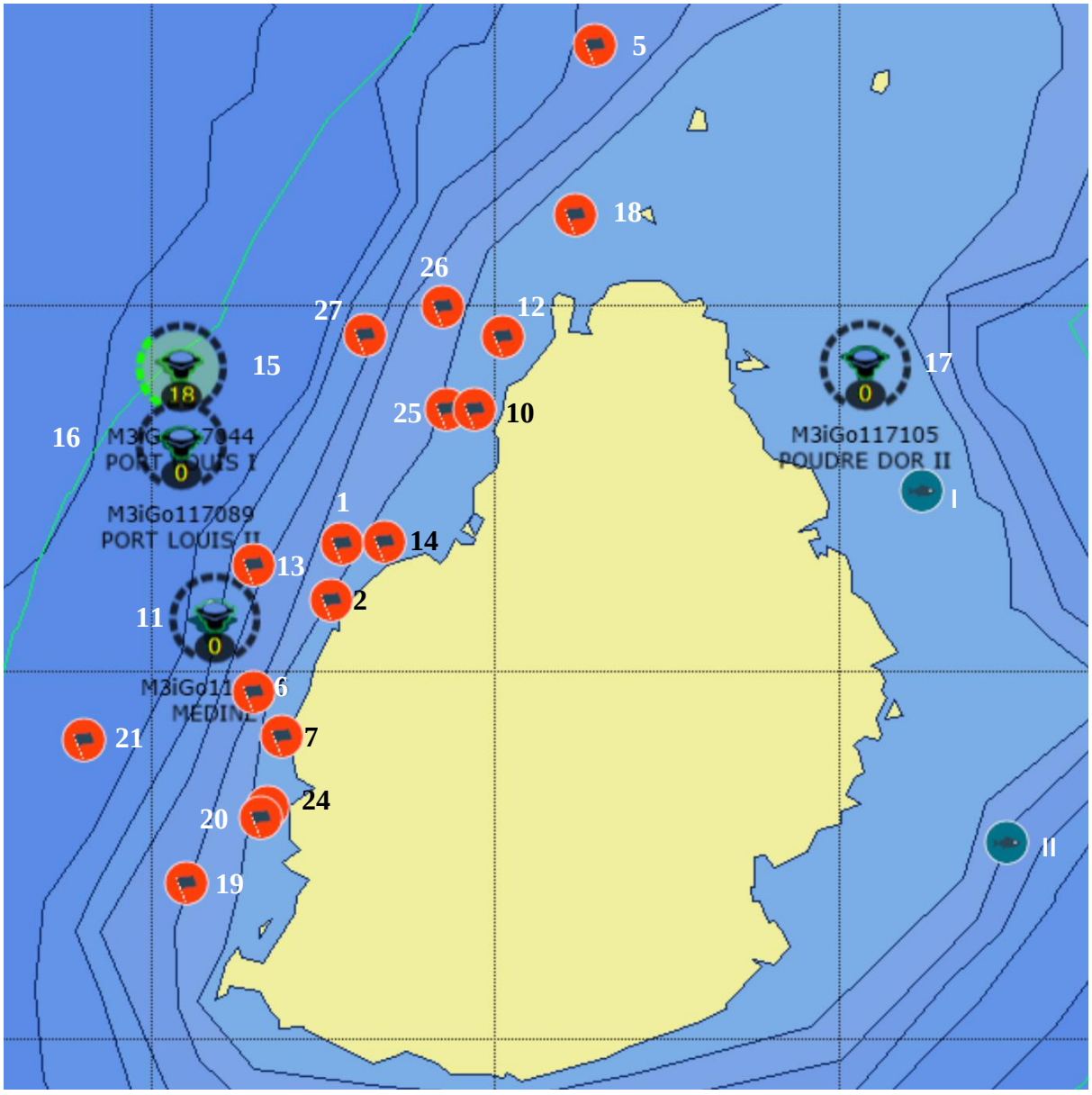
(a) Deep Draught Vessels: 12°54'.95N 74°44'.16E

SECTION – IX
CORRECTIONS TO MISCELLANEOUS NAUTICAL PUBLICATIONS

(Indian Notices to Mariners Special edition- 2024)

Page 187, Special Notice no. 16B, **FISH AGGREGATING DEVICES (FADS)**, Para 1, Line 2, The coordinates of FAD are as follows:-
Delete entry and replace by:

Location of Fish Aggregating Devices (FADs) around Mauritius are as follows:-



Number	Name	Latitude	Longitude	Status
1.	ALBION I	20°09'.446	57°23'.330	Present
2.	ALBION II	20°11'.869	57°22'.891	Present
3.	BAIE DU CAP	20°33'.073	57°23'.283	Lost
4.	BLUE BAY	20°29'.110	57°43'.540	Lost
5.	FLAT ISLAND	19°49'.434	57°34'.373	Present
6.	FLIC EN FLAC I	20°15'.995	57°19'.337	Present

7.	FLIC EN FLAC II	20°17'.791	57°20'.645	Present
8.	GRAND CARREAU	20°21'.336	57°55'.531	Lost
9.	LA PRENEUSE	20°17'.711	57°16'.080	Lost
10.	MARITIM	20º04'.345	57º29'.160	Present
11.	MEDINE	20º12'.663	57º17'.410	Smart
12.	MON CHOISY	20º01'.424	57º30'.340	Present
13.	POINTE AUX CAVES	20º10'.741	57º19'.510	Present
14.	POINTE AUX SABLES	20º10' 403	57º24' 222	Present
15.	PORT LOUIS I	20º02'.816	57º15'.956	Smart
16.	PORT LOUIS II	20º06'.205	57º15'.882	Smart
17.	POUDRE D'OR II	20º02'.327	57º46'.035	Smart
18.	PTE AUX CANONNIERS	19º56'.416	57º33'.579	Present
19.	RIVIERE NOIRE I	20º23'.596	57º16'.771	Present
20.	RIVIERE NOIRE II	20º21'.069	57º19'.780	Present
21.	RIVIERE NOIRE III	20º17'.901	57º12'.119	Present
22.	ROCHES NOIRES	20º02'.542	57º48'.885	Lost
23.	SOUILLAC	20º33'.793	57º31'.146	Lost
24.	TAMARIN	20º20'.630	57º20'.119	Present
25.	BIE DU TOMBEAU	20º04'.413	57º27'.890	Present
26.	TROU AUX BICHES I	20º00'.161	57º27'.775	Present
27.	TROU AUX BICHES II	20º01'.334	57º24'.387	Present
28.	TROU D'EAU DOUCE	20º13'.884	57º51'.561	Lost

SECTION – X

REPORTING OF NAVIGATIONAL DANGERS

Appeal to all Mariners

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

National Hydrographic Office
107-A, Rajpur Road,
Dehradun - 248001
(Uttarakhand), India
e-mail : msis-inho-navy@nic.in, inho-navy@nic.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 recognized by the following:

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

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

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

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

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

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

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)	☐ Bathymetry	☐ Nav. Dangers	☐ Nav. aids	
	☐ Designated Areas	☐ Others		
Geographical Position (See Instructions Overleaf)	Latitude		Longitude	
Position Method	☐ DGPS	☐ GPS	☐ Radar	☐ Others
Datum Used	☐ WGS84	☐ Everest	☐ Others	
Charts Affected		Edition		
Latest Edition of Indian Notices to Mariners Held				
Tracing/Plot/Photograph if enclosed				
ENCs Affected				
Latest Update Disk Held				
Publication Affected		Edition		
Page No./Light No. etc				
Details:				
Limitations if any in Reporting the Changes Above				
Details of Documents/Photos attached:				
Signature of the Master/Reporter/Observer				

HYDROGRAPHIC NOTE FOR PORT INFORMATION (To accompany Form IH.102)	**IH.102-A (Revised 2024)**

Date	D D M M Y Y Y Y Ref. No.	
Name of the Ship, Port or Sender		
Mailing Address	Office Name	
	Flat/ Room No.	
	Building	
	Street	
	Landmark/ Locality	
	City	
	State	
	Country	
	ZIP/ Pin Code	
Contact Details (with ISD country code)	Tel: +	
	Fax: +	
	Mobile: +	
Email id		

Explanatory Notes for filling up the **IH.102-A (Revised 2024)**

1. All positional details be referred to WGS 84 in Latitude and Longitude, example: DD° MM' SS".SS (N/S), DDD° MM' SS".SS (E/W).

2. All time details to be in format him.

3. Clearly state the Time Zone adopted for field observations/ recording of data. Examples:- 00:00, UTC, GMT or +05:30 (IST) or ±hh:mm (LMT/ National Time Zone).

4. Where applicable relevant data files may be shared in .txt, .pdf, .csv, files in the prescribed format.

5. The photographs being forwarded be duly annotated, highlighting the object/ features to be referred for charting purpose and disseminating information to mariner as part of Sailing Directions.

6. All diagrams are to be prepared with relevant Chart/ ENC in background where available.

7. Where relevant, the diagrams, pictorial representation being forwarded are to be prepared with latest geo referenced satellite image in the background, appending the details, highlighting the information with adequate annotations for ready reference as visual representation.

HYDROGRAPHIC NOTE FOR PORT INFORMATION (To accompany Form IH.102)	**IH.102-A** **(Revised 2024)**

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

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

(b) State the Authority, to whom the request for Berthing is to be addressed to including telephone number, email id, FAX number as applicable, prior notice required for berthing and procedure for requesting berth with hiring charges	
10. **CARGO HANDLING**	
(a) Containers	
(b) Lighters & Ro-Ro etc.	

11. **CRANES**

*[Provide details of Category of Crane: **container crane/gantry, Sheerlegs, travelling crane, A-frame** Colour pattern: **horizontal stripes, vertical stripes, diagonal stripes, Squared, stripes, border stripe for each separately]. Where applicable attach diagrammatic representation on relevant Chart/ ENC and also forward photographs with annotation.**

(a) Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	**Ser**.	**Crane Location Berth/ Wharf**	***Category of Crane**	**Max Lifting Capacity**	**Height of Boom at Berth/ wharf level**	**Outreach**
(b) Provide Container handling facilities						
(c) State the Authority, to whom the request for Cranes is to be addressed to with contact information including email, Telephone and FAX numbers as applicable and Procedure						

12. **BRIDGES**

*[Category of Bridge: **fixed bridge, opening bridge, swing bridge, lifting bridge, bascule bridge, pontoon bridge, draw bridge, transporter bridge, foot bridge, viaduct, aqueduct, suspension bridge:** Colour pattern: **horizontal stripes, vertical stripes, diagonal stripes, Squared, stripes (direction unknown).** Vertical Clearance: **from MHHW/MHWS**

Vertical clearance (Provide diagrammatic representation of Bridges on background of relevant Chart/ ENC, with Start and End of Positions of Bridges, duly annotated with names as an attachment)	**Ser**.	**Bridge Name**	***Category of Bridge**	**Bridge Lay (Azimuth) (DDD°-DDD°)**	**Bridge Length (m)**	**Vertical Clearance (m)**	**Min and Max depths below Bridge**

13. **REPAIR FACILITIES – describe facilities available with all relevant information**	
(a) Hull machinery and underwater	
(b) Ship and Boat yards	
(c) Docking or Slipway facilities (Size/ Dimensions of vessels handled/ tonnage)	
(d) Hards and Ramps	
(e) Divers/ Diving assistance	
14. **SERVICES**	
(a) Radio / FAX / Telephone / Internet etc.	
(b) Medical	
(c) Quarantine	
(d) Consul	
(e) Ship chandlery and Stevedores	
(f) Compass adjustment	
(g) Tank cleaning	
(h) Hull painting	

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

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

			DD° MM' SS".SSS N/S, DDD° MM' SS".SSS E/W To DD° MM' SS".SSS N/S, DDD° MM' SS".SSS E/W	
	B		From DD° MM' SS".SSS N/S, DDD° MM' SS".SSS E/W To DD° MM' SS".SSS N/S, DDD° MM' SS".SSS E/W	DD-MMM-YYYY

(ae) Self explaining annotations and legend as applicable	Diagrammatic representation of layout on relevant Chart/ ENC/ satellite/CADE image background if available

24. **HORIZONTAL CONTROL**

Geodetic Control Stations established by Survey of India in Port Premises.	**Details of Horizontal Control - Reference Station**		
	(a) Name of ITRF/ GCP/ Reference Station with Authority letter if available		
	(b) Description of the Reference Station along with photograph if avaialble		
	(c) Position in WGS 84 datum if avaialble	Latitude	DD° MM' SS."SSS (N/S)
		Longitude	DDD° MM' SS."SSS (E/W)
		Ellipsoidal Ht	mm.mmm (metres)

25. **VERTICAL CONTROL**

Benchmark/ Local Bench Mark established by Survey of India in Port Premises			
	Details Required		**Data, Description and Remarks**
	(a) Name and description of Benchmark along with authority		
	(b) Photographs in soft copy if available		
	(e) Position in WGS 84 Datum		
		Latitude	DD° MM' SS."SSS (N/S)
		Longitude	DDD° MM' SS."SSS (E/W)
		Ellipsoidal Ht	mm.mmm (metres)
	(d) Height of Bench Mark above Sounding/ Chart Datum mm.mmm (value in meters)		

26. **TIDE GAUGE**

Pertains to tide gauge employed for tide observation. The details to be included area as follows:-	**Details of Tide Gauge**		
	Details Required	**Data, Description and Remarks**	
	(a) Type of Tide gauge used for observations		
	(i) Manual Tide Gauge Type(Flat/ Round Tide Pole)/ATG		
	(ii) Position of Tide Guage	Latitude DD° MM' SS."SSS (N/S)	
		Longitude DDD° MM' SS."SSS (E/W)	
	(iii) Resolution of Tide Guage		
	(iv) Level of Zero of Tide gauge with respect to Benchmark		
	(v) Level of Zero of Tide gauge with respect to Sounding/ Chart Datum		
	(b) Calibration details of ATG provide by OEM (Provide a copy as attachment)	Calibration Date	
		Valid up to	
	(c)Details offset/ reduction values if any.		
	(d) State whether tide observations carried out round the clock or for duration of survey		

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

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

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

Observed Tide					
Date DD-MMM-YYYY	**Time** (IST/UTC) HH:MM:SS	**Height of Tide (HoT_{Obs}) m** Observed on gauge (m.mmm metres)	**Reduction applied with respect to value of Zero of tide gauge above / below Chart Datum**. + if above Chart Datum - if below Chart Datum (m.mmm metres)	**Corrected/ Reduced Tide with respect to Chart Datum HoT Reduced** (m.mmm metres)	**Smoothed and Reduced tide used for correcting observed soundings HoT Applied** (m.mmm metres)
DD-MMM-YYYY	HH_1:MM_1:SS_1	m.mmm$_1$	m.mmm$_r$	m.mmm$_{c1}$	m.mmm$_{actual1}$
DD-MMM-YYYY	HH_2:MM_2:SS_2	m.mmm$_2$	m.mmm$_r$	m.mmm$_{c2}$	m.mmm$_{actual2}$
DD-MMM-YYYY	HH_2:MM_2:SS_2	m.mmm$_2$	m.mmm$_r$	m.mmm$_{c3}$	m.mmm$_{actual3}$
DD-MMM-YYYY	HH_n:MM_n:SS_n	m.mmm$_n$	m.mmm$_r$	m.mmm$_{cn}$	m.mmm$_{actualn}$

28. **PORT LIMITS**

Pertains to Port Limit authorized vide Govt. of India gazette. (Copy of gazette to be enclosed), as follow

Port Limits (WGS-84)

Ser.	**Latitude(N/S)**	**Longitude (E/W)**	**Remarks (Brief Description if any)**
(a)	DD°MM´ SS˝.SSS	DDD°MM´ SS˝.SSS	Start point on shore line (landward)
(b)	DD°MM´ SS˝.SSS	DDD°MM´ SS˝.SSS	Seaward point
(c)	DD°MM´ SS˝.SSS	DDD°MM´ SS˝.SSS	Seaward point
(d)	DD°MM´ SS˝.SSS	DDD°MM´ SS˝.SSS	End□ point on shore line (landward)

29. **DETAILS OF DUMPING GROUND**

(a) Name of the dumping ground with details regarding *category of Dumping ground: chemical waste dumping ground, nuclear waste dumping ground, explosives dumping ground, spoil ground, vessel dumping ground.
Details for each dumping ground be provided separately

Name of Dumping Ground	*Category of Dumping Ground

(b) Area and limits of the dumping ground

Limits and Area of Dumping Ground

Ser.	**Latitude (N/S)**	**Longitude (E/W)**	**Remarks (Brief Description if any)**
(a)	DD°MM´SS˝.SSS	DDD°MM´SS˝.SSS	
(b)	DD°MM´SS˝.SSS	DDD°MM´SS˝.SSS	
(c)	DD°MM´SS˝.SSS	DDD°MM´SS˝.SSS	
(d)	DD°MM´SS˝.SSS	DDD°MM´SS˝.SSS	

(c) Least known depth

Least Depth Observed date	
Specify the means by which least depth was ascertained (Example singlebeam sounding, multibeam survey, wire drag etc)	
Confirm whether the Least depth observed is corrected for tide and referred to chart datum	
List Restrictions in dumping ground: anchoring prohibited, trawling prohibited, entry prohibited, discharging prohibited, and, or any other specific category.	

30. **DETAILS OF FOUL AREA**

(a) Nomenclature of the foul area with *Category of Obstruction: snag/stump, diffuser, Crib, fish haven, foul area, foul ground, ice boom, ground tackle, boom

Nomenclature of Foul Area	***Category of Foul Area**

(b) Area and limits of the foul area. Provide details of each foul ground/ area separately.

Limits and Area of Foul Area

Ser.	**Latitude (N/S)**	**Longitude (E/W)**	**Remarks (Brief Description if any with debris and seabed sample)**
(a)	DD°MM´SS˝.SSS	DDD°MM´SS˝.SSS	
(b)	DD°MM´SS˝.SSS	DDD°MM´SS˝.SSS	
(c)	DD°MM´SS˝.SSS	DDD°MM´SS˝.SSS	
(d)	DD°MM´SS˝.SSS	DDD°MM´SS˝.SSS	

(c) Least known depth

Least Depth Observed date and Time	
Specify the means by which least depth was ascertained (Example singlebeam sounding, multibeam survey, wire drag etc)	

	Confirm whether the Least depth observed is corrected for tide and referred to chart datum	

31. **DETAILS OF DRY DOCK AREA**

To include the following:-

(a) Nomenclature of the Dry Dock. *Category of Dock area: tidal, non-tidal (wet dock)	**Nomenclature of the Dry Dock**	**Category of Dock area**

(b) Area and limits of the Dry Dock. Provide details of each dock separately.

Dry Dock Limits

Ser.	**Latitude (N/S)**	**Longitude (E/W)**	**Remarks (Brief Description if any)**
(a)	DD°MM´SS˝.SSS	DDD°MM´SS˝.SSS	
(b)	DD°MM´SS˝.SSS	DDD°MM´SS˝.SSS	
(c)	DD°MM´SS˝.SSS	DDD°MM´SS˝.SSS	
(d)	DD°MM´SS˝.SSS	DDD°MM´SS˝.SSS	

(c) Details of the Dry Dock Gate	
(d) Depth at the entry gate	
(e) Any other significant information	

32. **RELEVANT DRAWINGS OF THE PORT AREA/ DRY DOCKS ETC.**

33. **AIDS TO NAVIGATION**

(a) **Detail of buoys**

*Cardinal, Installation, isolated danger, lateral, safe water special purpose.

$Conical/nun/ogival, can/cylindrical, Spherical, Pillar, spar/spindle, Barrel, super-buoy, ice buoy.

%Can, Cone, sphere etc

Buoys

Details Required	**Data, Description and Remarks**
(a) Name of Buoy	
(b) *Category of buoy	
(c) Number	
(d) Colour	
(e) Position of buoy in WGS 84 Latitude Longitude	 DD° MM' SS.SSS (N/S) DDD°MM'SS.”SSS (E/W)
(f) Purpose of buoy (Example IALA buoy fairway, safe water mark)	
(g) $Type of Structure	
(h) %Top Mark	
(i) Identification by day Shape and colour	
(j) Identification by night (Characteristics of the light and Colour of light)	
(k) Photography. Attach two photographs with the Buoy in centre focus and other with relevant prominent features	

Details of transit marks/ beacons	
(b) Fwd transit mark position	DD°MM´ SS˝.SSS N/S, DDD°MM´SS˝.SSS E/W
(c) Fwd transit Name, Number	
(d) Fwd transit mark structure	
(e) Fwd transit mark shape	
(f) Fwd transit mark colour	
(g) Fwd transit mark top mark shape for day	
(h) Fwd transit mark top mark and colour for day identification	
(i) Fwd transit mark top mark light colour and characteristics for night identification	
(j) Aft transit mark position	DD°MM´ SS˝.SSS N/S, DDD°MM´SS˝.SSS E/W

(k) Aft transit Name, Number		
(l) Aft transit mark structure		
(m) Aft transit mark shape		
(n) Aft transit mark colour		
(o) Aft transit mark top mark shape for day		
(p)Aft transit mark top mark and colour for day identification		
(q) Aft transit mark top mark light colour and characteristics for night identification		
(r) Line of bearing of Transit Azimuth	DDD°MM´SS˝.SSS	
(s) Shape of Beacon		
(t) Colour of Beacon		
(u) Port signal mast position		
(v) Fixing marks (Jetty light, structures, building, conspicuous object)		
34. **DRONE IMAGERY OF THE PORT AREA IF AVAILABLE**		
SIGNATURE OF THE OBSERVER / REPORTER / MASTER With Contact details including email id, Fax and Telephone number as applicable.	**Sign**	
	Name	
	Designation	
	Telephone No.	
	FAX No.	
	Email id	
	Address	

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