



# INDIAN NOTICES TO MARINERS



EDITION NO. 12 DATED 16 JUN 2025

(CONTAINS NOTICES 086 TO 089)

REACH US 24 x 7



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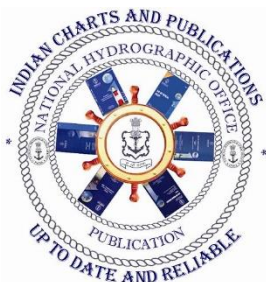
[www.hydrobharat.gov.in](http://www.hydrobharat.gov.in)

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

**FEEDBACK:** [msis-inho-navy@nic.in](mailto:msis-inho-navy@nic.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 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. SI Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

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

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

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

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

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

**Radio Navigational Warnings.**

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

## IV

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

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

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

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

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

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

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

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

## **NEWLY PUBLISHED INDIAN CHARTS, ENC'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 &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
NIL					

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

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

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

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

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

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

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN2255AB	255	APPROACHES TO MUMBAI	11-06-2025
IN2261AA	261	EIGHT DEGREE CHANNEL TO KANNIYAKUMARI	11-06-2025

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>
IN2255AB	255	APPROACHES TO MUMBAI	12-09-2024
IN2261AA	261	EIGHT DEGREE CHANNEL TO KANNIYAKUMARI	08-08-2022

7. The forthcoming Indian Charts is as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2013 INT (7324)	PORT OF OKHA	12,500	NEW EDITION
2061	PATHFINDER INLET	10,000	NEW CHART
2508 INT (7604)	AGALEGA JETTY	5,000	NEW CHART
2557 INT (7605)	COETIVY ISLAND	37,500	NEW CHART
3010 (INT 7418)	PARADIP PORT PARADIP ANCHORAGE	12,500 25,000	NEW EDITION

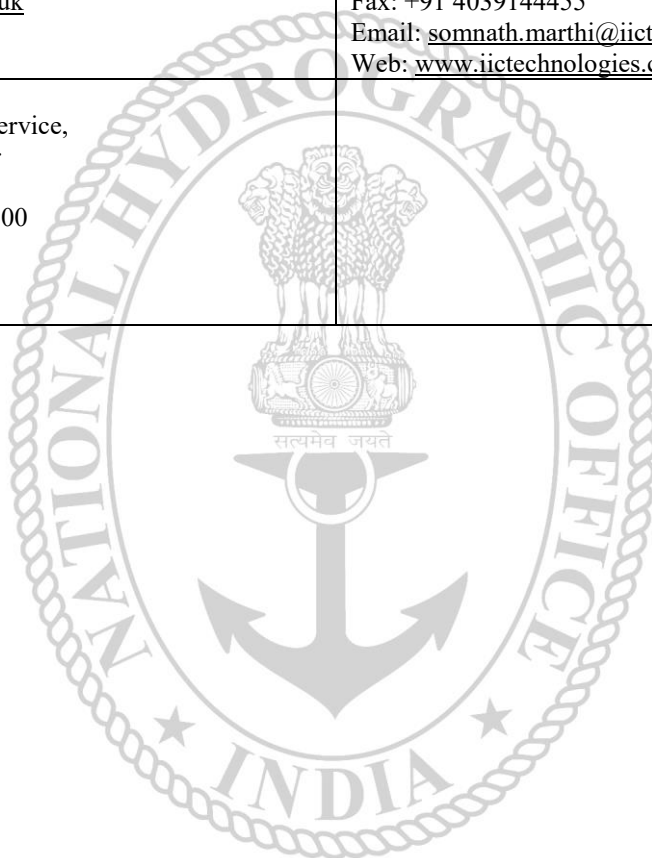
## VI

<b>3041</b>	<b>APPROACHES TO PARADIP</b>	<b>60,000</b>	<b>NEW EDITION</b>
<b>4206</b>	<b>APPROACHES TO PULO MILLOW</b>	<b>50,000</b>	<b>NEW CHART</b>

### Availability of ENC's

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

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



**SECTION – I**

The list of charts affected by the Notices 086 to 089 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	088 (T)
31 (INT 756)	5	088 (T)
32 (INT 754)	5	088 (T)
33 (INT 755)	5	088 (T)
41 (INT 757)	6	088 (T)
202	2	087
203 (INT 7319)	2	087
204	2	087
212	3	086
217	4	089 (T)
251 (INT 7318)	2	087
252 (INT 7325)	2	087
256 (INT 7340)	3	086
258 (INT 7348)	4	089 (T)
271	2	087
272	4	089 (T)
291	2	088 (T)
293 (INT 7022)	3	089 (T)
315	5	088 (T)
316		088 (T)
358 (INT 7394)	5	088 (T)
2002 (INT 7351)	4	089 (T)
2060 (INT 7332)	2	087
2065	3	086
2068	2	087
2079 (INT 7329)	2	087
2080	2	087
2359 (INT 7350)	4	089 (T)
7706 (INT 706)	1	088 (T)

2.1  
**SECTION – II**

**PERMANENT NOTICES**

**\*086 (12/25) INDIA WEST COAST – Port Dabhol – Buoy.**

Source: Konkan LNG Limited.

**Chart 212** [previous update 050/24]

Amend characteristics of fairway buoy to, “Fl.5s”, centered on; 17° 34′.34N., 073° 04′.58E.

**Chart 256 (INT 7340)** [ previous update 073/23]

Amend characteristics of fairway buoy to, “Fl.5s”, centered on; 17° 34′.34N., 073° 04′.58E.

**Chart 2065** [ previous update 070/22]

Amend characteristics of fairway buoy to, “Fl.5s”, centered on; 17° 34′.34N., 073° 04′.58E.

**\*087 (12/25) INDIA WEST COAST – Gulf of Kachchh – Traffic Separation Scheme.**

Source: DG Shipping, Mumbai.

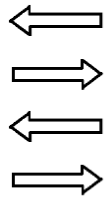
**Chart 203 (INT 7319)** [previous update 075/25]

Insert	←	22°27'.30N., 068°51'.60E
	→	22°26'.80N., 068°52'.21E
	←	22°44'.68N., 068°57'.46E
	→	22°43'.30N., 068°57'.35E
	←	22°36'.39N., 068°55'.62E
	→	22°35'.43N., 068°56'.68E
	←	22°37'.64N., 069°12'.35E
	→	22°36'.93N., 069°12'.17E
	←	22°38'.36N., 069°33'.23E
	→	22°37'.46N., 069°33'.02E
	←	22°37'.07N., 069°42'.47E
	→	22°36'.01N., 069°42'.45E

**Chart 2068** [previous update 075/25]

Insert	←	22°44'.68N., 068°57'.46E
	→	22°43'.30N., 068°57'.35E
	←	22°36'.39N., 068°55'.62E
	→	22°35'.43N., 068°56'.68E
	←	22°38'.33N., 069°01'.69E
	→	22°37'.51N., 069°01'.80E
	←	22°37'.64N., 069°12'.53E
	→	22°36'.93N., 069°12'.17E
	←	22°36'.29N., 069°20'.50E
	→	22°35'.21N., 069°20'.67E





22°38'.36N., 069°33'.23E

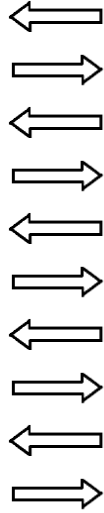
22°37'.46N., 069°33'.02E

22°37'.07N., 069°42'.47E

22°36'.01N., 069°42'.45E

**Chart 202** [previous update 075/25]

Insert



22°50'.13N., 068°47'.18E

22°48'.65N., 068°46'.87E

22°44'.68N., 068°57'.46E

22°43'.30N., 068°57'.35E

22°36'.39N., 068°55'.62E

22°35'.43N., 068°56'.68E

22°27'.51N., 068°51'.09E

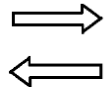
22°26'.80N., 068°52'.21E

22°11'.07N., 068°46'.09E

22°10'.93N., 068°47'.55E

**Chart 204** [previous update 075/25]

Insert

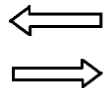


22°10'.92N., 068°47'.54E

22°11'.07N., 068°46'.09E

**Chart 252** [previous update 075/25]

Insert

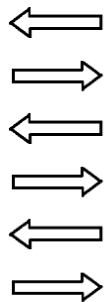


22°27'.30N., 068°51'.60E

22°26'.80N., 068°52'.21E

**Chart 271** [previous update 075/25]

Insert



22°44'.68N., 068°57'.46E

22°43'.30N., 068°57'.35E

22°38'.33N., 069°01'.69E

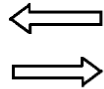
22°37'.51N., 069°01'.80E

22°27'.30N., 068°51'.60E

22°26'.80N., 068°52'.21E

**Chart 251 (INT 7318)** [previous update 075/25]

Insert

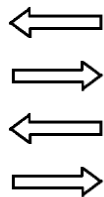


22°38'.33N., 069°01'.69E

22°37'.51N., 069°01'.80E

**Chart 2060 (INT 7332)** [previous update 075/25]

Insert



22°38'.36N., 069°33'.23E

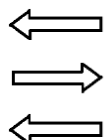
22°37'.46N., 069°33'.02E

22°37'.07N., 069°42'.47E

22°36'.01N., 069°42'.45E

**Chart 2079 (INT 7329)** [previous update 075/25]

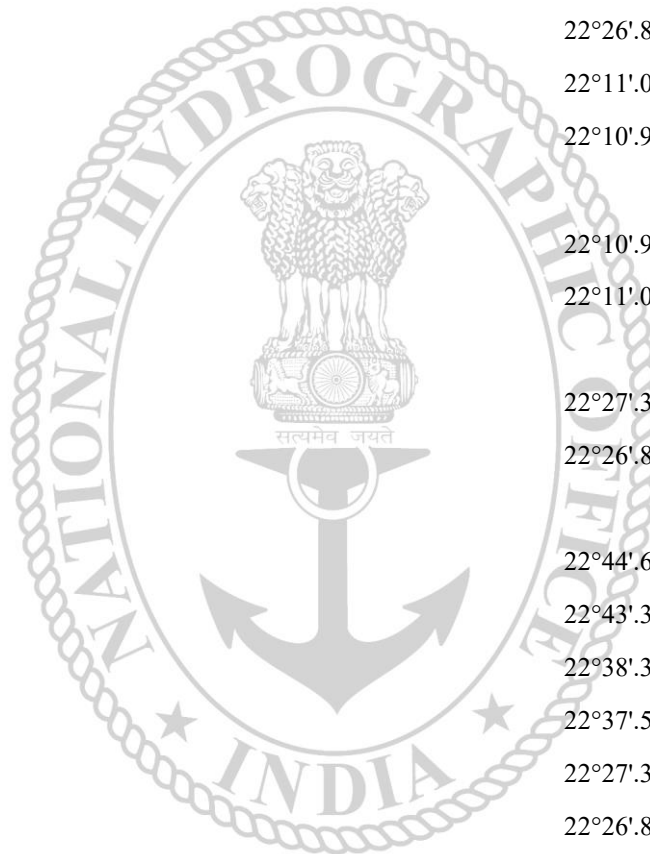
Insert



22°38'.36N., 069°33'.23E

22°37'.46N., 069°33'.02E

22°37'.07N., 069°42'.47E



22°36'.01N., 069°42'.45E

**Chart 2080** [*previous update 075/25*]

Insert



22°37'.07N., 069°42'.47E



22°36'.01N., 069°42'.45E



**Section – III****TEMPORARY AND PRELIMINARY NOTICES**

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

<b>*088 (T) (12/25)   INDIAN OCEAN - NORTHERN PART - RAMA Buoys.</b>	
Source: NOAA.	
1. The research moored array of African - Asian - Australian Monsoon analysis and prediction (RAMA) buoys laid in following positions:-	
<b>Buoy No./Name</b>	<b>Position</b>
RA193A	15° 02'.40N., 088° 00'.10E
RA194A	08° 02'.90N., 088° 56'.50E
RA184A	00° 00'.00N., 089° 57'.60E
RA186A	00° 11'.50N., 080° 26'.00E
RA187A	01° 31'.00S., 080° 33'.40E
RA192A	07° 55'.90N., 067° 07'.00E
RA191A	04° 00'.40N., 067° 00'.30E
RA182A	02° 15'.90N., 072° 56'.50E
RA190A	01° 43'.00N., 066° 42'.10E
RA188A	01° 34'.00S., 066° 58'.70E
RA177A	05° 48'.90S., 055° 22'.20E
RA178A	13° 11'.60S., 040° 33'.50E
RT044	12° 00'.30N., 088° 30'.10E
RT046	04° 04'.10S., 080° 31'.60E
RT045	07° 59'.60S., 080° 29'.30E
RT028	11° 50'.50S., 080° 18'.80E
RT047	03° 55'.10S., 064° 59'.00E
RT048	08° 07'.40S., 065° 04'.30E
RT049	12° 01'.00S., 064° 57'.50E
2. <b>All Highlighted Buoys reflects changes in position of respective buoys from previous Notice.</b>	
3. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.	
4. All positions are in WGS 84 datum.	
<b>Charts Affected - 21 - 31 (INT 756) - 32 (INT 754) - 33 (INT 755) – 41 (INT 757) - 291 - 315 - 316- 358 (INT 7394) - 7706 (INT 706).</b>	
<b>Former INTM 078 (T)/25 is cancelled.</b>	

<b>*089 (T) (12/25)   INDIA – WEST COAST – Ports of New Mangalore and Mangalore – Port Information.</b>	
Source: Department of Ports & Inland Transport – Karnataka Government.	
1. The Old Mangalore Port will be officially closed for monsoon/ foul weather with effect from <b>16 May 2025 to 15 Sep 2025</b> . The spherical buoy which is laid for channel marking at entrance of the channel is withdrawn.	
2. All Mariners, Tindels, Owners and Operators of all Vessels are hereby cautioned to note the above warning. The vessel entering/ leaving the Old Mangalore Port after the above date are doing so at their own risk.	
3. Mariners are advised to contact local port authorities for more information.	
4. <b>Charts Affected – 293 (INT 7022) – 272 – 258 (INT 7348) – 217 – 2359 (INT 7350) – 2002 (INT 7351).</b>	

## **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:-

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

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

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

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

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

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

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

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

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

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

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

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

#### 6. **Usage of Thuraya, Iridium and 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.

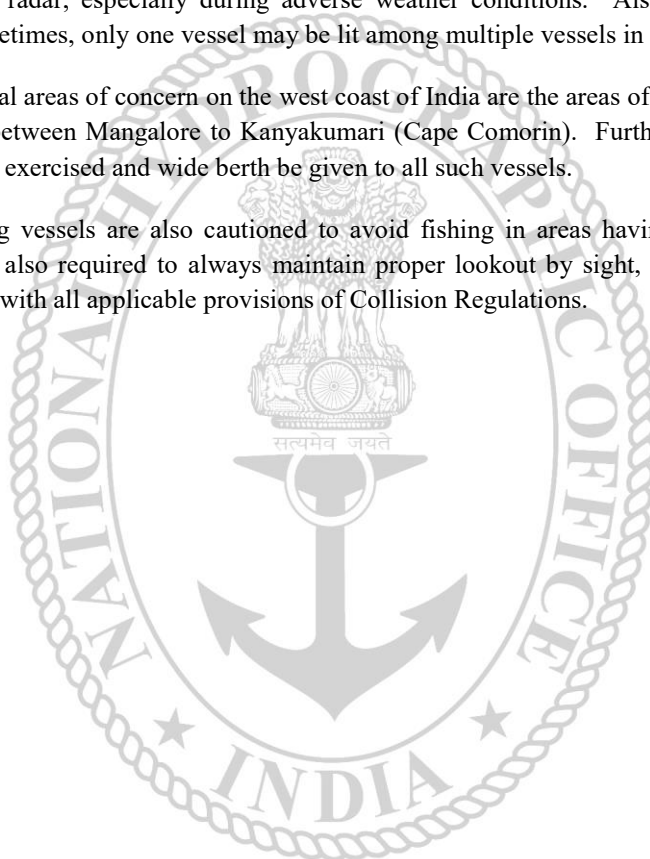
(e) This DGS Order No. 09 of 2023 is to be referred for detailed information on this subject.

## 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

<b>M/s Lift o Marine</b> Allen's Mansion, C6 Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: +91 33 24924283 Email: <a href="mailto:sankar@liftomarine.org">sankar@liftomarine.org</a> , <a href="mailto:liftomarine77@gmail.com">liftomarine77@gmail.com</a> Web: <a href="http://www.liftomarine.org">www.liftomarine.org</a>	<b>M/s Global Charts &amp; Nav. Aids Pvt. Limited</b> 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: <a href="mailto:sales@globalcharts.in">sales@globalcharts.in</a> Web: <a href="http://www.globalcharts.com.sg">www.globalcharts.com.sg</a>
<b>M/s L. R. Marine Services</b> 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: <a href="mailto:lcharts@gmail.com">lcharts@gmail.com</a> , <a href="mailto:lrmarine@live.com">lrmarine@live.com</a>	<b>SMS Marine Private Ltd</b> 505, Raheja Arcade, Sector 11 CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a> , <a href="mailto:raj.chakravorty@smsmaps.com">raj.chakravorty@smsmaps.com</a> Web: <a href="http://www.smsmaps.co.in">www.smsmaps.co.in</a>
<b>M/s JM Maritime Services</b> 24/24C Kavarana Building, Ground Floor, Wadi Bunder, P.D. Mellow Road Mumbai – 400 009 Tel: +91 22 23736756 Fax: 022 - 23725083 Cell: +91 9820788357 Email : <a href="mailto:charts@mtnl.net.in">charts@mtnl.net.in</a> , <a href="mailto:jmms@mtnl.net.in">jmms@mtnl.net.in</a>	<b>M/s VDO Marine Insrtuments</b> PO Bag No – 645, 45/271 Corner of Bristow & Naval Road, Willington Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: <a href="mailto:atmain@md4.vsnl.net.in">atmain@md4.vsnl.net.in</a>
<b>M/s CNC</b> Office No. S-12-92, Haware's Centurion Premises Cop, Soc. Ltd Plot no 88-91 Sector 19, Nerul Navi Mumbai – 400706 Web: <a href="http://emariner.net">emariner.net</a>	

## SECTION – V

### NAVAREA – VIII WARNINGS IN FORCE.

1. All in force NAVAREA and NAVTEX messages are available for visualisation along with details of affected Charts and ENC's for Mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on [www.hydrobharat.gov.in](http://www.hydrobharat.gov.in).
2. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2024.
3. NAVAREA VIII Warnings in force as on 16 Jun 25: -

<b><u>2023 SERIES -</u></b>	161	386	484	574	703	733	748	750	929	1046	1057										
<b><u>2024 SERIES -</u></b>	180	188	215	317	539	550	584	600	604	669	691	707	709	791	817	843	947	958	1063		
	1089	1111																			
<b><u>2025 SERIES -</u></b>	015	091	106	272	273	275	280	302	311	320	326	333	334	425	437	448	485	499	503		
	512	513	517	518	521	524	526	527	528	530	531	534	536	538	542	543	544	545	547	549	550
	555	558	559	560	561	562	563	564	565	566	567										

4. NAVAREA VIII Warnings issued during the period from 01 Jun 25 to 16 Jun 25 (both dates inclusive) are as tabulated below: -

<b>535.</b>	Cancel NAVAREA VIII MSG 272/25, 374/25, 379/25, 388/25, 398/25, 413/25, 442/25, 461/25, 474/25, 481/25, 491/25 and this MSG. INTM 083(T) of 11/25 refers.
<b>536.</b>	<b>Bay of Bengal.</b> Charts IN 7073 7706 INT 706. SW BLY progressing seismic survey in area bounded by 13-32.42N 083-26.87E, 14-00N 083-56.87E, 14-00N 088-30E, 17-37.32N 088-30E, 18-08.31N 089-18.23E, 16-44N 089-25E, 15-42N 090-13E, 15-30.27N 090-33.08E, 10-59.65N 089-10.67E, 10-42.31N 087-52.87E, 11-30N 083-30E. Wide berth of 02 nm requested. 2. Cancel this MSG 151830 UTC Jun 25.
<b>537.</b>	<b>India East Coast - off Baleshwar.</b> Charts IN 31 351 7706 INT 756. Experimental flight trials scheduled 05 and 06 Jun 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 061200 UTC Jun 25.
<b>538.</b>	<b>Andaman Sea - Keating Point.</b> Charts IN 407 4161 INT 7445. Dgnss (09-15.36N 092-46.50E) inoperative.
<b>539.</b>	Cancel NAVAREA VIII MSG 429/25, 533/25 and this MSG.
<b>540.</b>	<b>India West Coast - off Mormugao.</b> Charts IN 22 293 294 7705 INT 705. Firing scheduled from 08001 to 111530 UTC Jun 25 in danger area bounded by 15-15N 070-18E, 14-33N 071-26E, 14-00N 072-26E, 13-44N 073-18E, 13-54.93N 073-46.07E, 14-49.15N 073-20.39E, 14-56N 073-07.19E, 15-48.19N 072-48.21E, 16-52N 071-33E, 17-23N 070-35E, 16-15N 068-37E. Wide berth from area advised. 2. Cancel this MSG 111630 UTC Jun 25.
<b>541.</b>	<b>India West Coast - off Mumbai.</b> Charts IN 21 292 7705 INT 7021. Firing scheduled from 090001 to 111530 UTC Jun 25 in danger area bounded within 18-40N to 19-40N AND 069-50E TO 070-55E. Wide berth from area advised. 2. Cancel this MSG 111630 UTC Jun 25.
<b>542.</b>	<b>India West Coast - Gulf of Kachchh.</b> Charts IN 21 203 2068 INT 7319. Kachchh buoy (22-38N 069-12.80E) reported missing and tilburn buoy (22-37.2N 069-32E) reported unlit.
<b>543.</b>	<b>India West Coast.</b> Charts IN 21 255 292 INT 7021. Rig move. Key Singapore (20-02.96N 071-45.72E). INTM 083(T) of 11/25 refers. Wide berth requested.
<b>544.</b>	<b>India East Coast - off Baleshwar.</b> Charts IN 31 351 7706 INT 706. Experimental flight trials scheduled 10 and 11 Jun 25 from 0430 to 1130 UTC, 12 to 14 Jun and 16 to 21 Jun 25 from 0430 to 1230 UTC in area bounded by (A) 20-57N 086-54E (B) 21-13N 087-23E (C) 21-31N 087-42E (D) 21-41N 087-45E and then along coastline to point A. Wide berth from area advised. 2. Cancel this MSG 211330 UTC Jun 25.
<b>545.</b>	<b>India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7021. Wilchief1 will carry out pipeline survey at various locations in area bounded within 19-13.91N to 19-36.19N and 071-19.92E to 071-25.95E from 08 Jun to 10 Jul 25. Wide berth requested. 2. Cancel this MSG 101830 UTC Jul 25.
<b>546.</b>	<b>NAVAREA VIII - Warnings in force as on 06 Jun 2025</b>
<b>2023 SERIES -</b>	161 386 484 574 703 733 748 750 929 1046 1057
<b>2024 SERIES -</b>	180 188 215 317 539 550 584 600 604 669 691 707 709 791 817 843 947 958 1063



1089 1111
<b>2025 SERIES -</b> 015 091 106 272 273 275 280 302 311 320 326 333 334 346 370 425 437 448 485 495 499 503 512 513 517 518 521 523 524 526 527 528 530 531 532 534 536 538 540 541 542 543 544 545
(A) NAVAREA VIII warnings less than 42 days promulgated via safetynet.
(B) Text of NAVAREA VIII warning in force including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a> .
2. Cancel this MSG 131000 UTC Jun 25.
<b>547. India East Coast - off Baleshwar.</b> Charts IN 31 351 7706 INT 756. Experimental flight trials scheduled 12, 13, 16, 17, 18 Jun 25 from 0430 to 0630 UTC and 0900 to 1100 UTC and from 190630 to 191030 UTC Jun 25 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 191130 UTC Jun 25.
<b>548. India West Coast - off Alappuzha.</b> Charts IN 22 221 260 INT 7362. Subsurface firing scheduled 10 and 11 Jun 25 from 0330 to 1130 UTC in danger area bounded within 09-17N to 09-22N and 075-44E TO 075-49E. Wide berth from area advised.
2. Cancel this MSG 111230 UTC Jun 25.
<b>549. India West Coast - off Mumbai.</b> Charts IN 21 255 292 2016 INT 7336. CS NIWA progressing cable repairs in areas bounded by (A) 19-07.30N 072-47.78E, 19-06.38N 072-48.40E, 18-58.31N 072-34.50E, 18-59.27N 072-34.11E (B) 18-56.86N 072-29.93E, 18-56.22N 072-30.75E, 18-51.17N 072-15.66E, 18-52.27N 072-15.45E. Wide berth 01 nm requested.
2. Cancel this MSG 201830 UTC Jun 25.
<b>550. India East Coast.</b> Charts IN 31 355 391 INT 7405. DGPS transmission from antarvedi It (16-19.02N 081-43.55E) off air from 090730 UTC Jun 25 for maintenance.
<b>551.</b> Cancel NAVAREA VIII MSG 346/25 and this MSG.
<b>552. India West Coast - off Badagara.</b> Charts IN 22 258 259 INT 7356. MV WAN HAI 503 reported fire onboard and adrift in approximate position 11-32N 074-39E at 090410 UTC Jun 25. 04 crew reported missing. 18 crew rescued. Vessels transiting to keep well clear and maintain sharp lookout.
2. Cancel this MSG 120410 UTC Jun 25.
<b>553. India East Coast - off Chennai.</b> Charts IN 32 356 391 INT 7400. Firing by CG aircraft scheduled 13 and 23 Jun 25 from 0130 to 1130 UTC in danger area bounded within 12-49N to 12-59N and 080-46E to 081-26E. Wide berth from area advised.
2. Cancel this MSG 231230 UTC Jun 25.
<b>554. Lakshadweep Sea - Minicoy I.</b> Charts IN 22 273 2006 INT 752. Firing scheduled from 130230 to 130900 UTC Jun 25 in danger area bounded by 08-15.36N 073-04.50E, 08-14.89N 073-03.32E, 08-16.53N 073-03.30E, 08-16.57N 073-03.43E. Wide berth from area advised.
2. Cancel this MSG 131000 UTC Jun 25.
<b>555. India West Coast - off Alappuzha.</b> Charts IN 22 221 260 INT 7362. Hydrographic survey being progressed in area bounded within 09-16.5N to 09-21.5N and 076-05.83E TO 076-10.83E. Wide berth requested.
2. Cancel this MSG 151830 UTC Jun 25.
<b>556. India West Coast - off Vengurla.</b> Charts IN 22 293 INT 7022. Subsurface firing scheduled from 112330 to 121430 UTC Jun 25 in danger area bounded within 15-45N to 15-55N and 071-49E to 071-59E. Wide berth from area advised.
2. Cancel this MSG 121530 UTC Jun 25.
<b>557. Andaman Sea - off Sri Vijaya Puram.</b> CHARTS IN 405 473 4016 INT 7031 (.) FIRING SCHEDULED 12 AND 13 JUN 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 131300 UTC JUN 25
<b>558. India West Coast - off Kollam.</b> Charts IN 22 221 260 INT 7362. Albatross 37 progressing survey in area bounded by 09-06.87N 076-06.93E, 09-06.85N 076-12.39E, 09-01.43N 076-12.37E, 09-01.45N 076-06.92E. Wide berth of 01 nm requested.
2. Cancel this MSG 151830 UTC Jun 25.
<b>559. India East Coast - off Gopalpur.</b> Charts IN 31 352 7706 INT 756. Ramform sovereign will carry out survey from 12 Jun to 11 Aug 25 in area bounded by 19-04.08N 086-00.12E, 18-49.44N 086-00.18E, 18-27.96N 085-06.36E, 18-03.96N 084-48.30E, 16-59.16N 084-49.26E, 16-59.34N 085-26.76E, 17-13.26N 085-42.00E, 17-37.62N 085-41.82E, 17-57.12N 085-26.58E, 18-20.94N 086-26.28E, 18-47.52N 086-41.34E, 19-20.04N 086-41.34E, 19-19.86N 086-14.10E. Wide berth of 07 nm requested.
2. Cancel this MSG 111830 UTC Aug 25.
<b>560. Indian Ocean.</b> Charts IN 7072 7707 INT 707. MV run fu 3 vessel reported abandoned due to flooding in approximate position 09-04S 073-34E at 110335 UTC Jun 25. All crew rescued. Vessels transiting to maintain sharp lookout.
2. Cancel this MSG 140435 UTC Jun 25.
<b>561. India East Coast – Sriharikota.</b> Charts IN 32 313 356 INT 7400. Integrated air drop tests scheduled 16 Jun to 05 Jul 25 from 0030 to 0500 UTC in danger area bounded by 13-38.16N 080-08.92E, 13-42N 080-08.93E, 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 050600 UTC Jul 25.	
<b>562. India East coast - off Baleshwar.</b> Charts IN 31 351 INT 7419. IAF exercise scheduled 16 to 20 Jun 25 and 23 to 27 Jun 25 from 0230 to 1030 UTC in danger area bounded by 21-21.42N 086-59.12E, 21-21.38N 087-07.56E, 21-13.14N 087-08.07E, 21-13.12N 086-59.27E. Wide berth from area advised. 2. Cancel this MSG 271130 UTC Jun 25.	
<b>563. India East Coast - off Gopalpur.</b> Charts IN 31 305 353 INT 7413. Army air defence firing scheduled from 16 to 21 Jun and 23 to 27 Jun 25 from 0130 to 1430 UTC in danger area bounded by (A) 19-14.60N 084-53.70E (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 271530 UTC Jun 25.	
<b>564. India East Coast - off Sagar I.</b> Charts IN 31 351 INT 7419. Firing by CG aircraft scheduled from 160430 to 161030 UTC Jun 25 in danger area bounded within 20-29N to 20-53N and 088-50E to 089-00E. Wide berth from area advised. 2. Cancel this MSG 161130 UTC Jun 25.	
<b>565. India East Coast - off Pamban I.</b> Charts IN 32 317 358 INT 7394. Kalimman thunai will carry out survey from 16 to 30 Jun 25 in area bounded by 09-21.24N 078-59.38E, 09-19.53N 079-01.59E, 09-21.38N 079-03.26E, 09-25.18N 078-58.88E, 09-23.61N 078-57.09E. Wide berth of 02 nm requested. 2. Cancel this MSG 301830 UTC Jun 25.	
<b>566 NAVAREA VIII - Warnings in force as on 13 Jun 2025:-</b> <b>2023 SERIES -</b> 161 386 484 574 703 733 748 750 929 1046 1057 <b>2024 SERIES -</b> 180 188 215 317 539 550 584 600 604 669 691 707 709 791 817 843 947 958 1063 1089 1111 <b>2025 SERIES -</b> 015 091 106 272 273 275 280 302 311 320 326 333 334 425 437 448 485 499 503 512 513 517 518 521 524 526 527 528 530 531 534 536 538 542 543 544 545 547 549 550 553 555 558 559 560 561 562 563 564 565 (A) NAVAREA VIII warnings less than 42 days promulgated via safetynet. (B) Text of NAVAREA VIII warning inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a> . 2. Cancel this MSG 201000 UTC Jun 25.	
<b>567. India West Coast - off Kochi.</b> Charts IN 22 220 259 INT 7356. MV WAN HAI 503 reported damaged by explosion and fire. Fumes still emitting. Under tow in approximate position 09-58.9N 075-36.1E heading west at 02 knot. Vessels to keep clear 07 nm. 2. Cancel this MSG 171830 UTC Jun 25.	

## SECTION – VI

### CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

#### West Coast of India Pilot (INP-1)

#### Chapter – 5 (Page 218)

(Source: IH 102A)

*Insert new entry:*

#### VIZHINJAM INTERNATIONAL SEAPORT LTD.

Chart 2111, 2050

#### **General information**

##### **5.186**

1 **Position and function.** Vizhinjam International Seaport Ltd. is located S of Vizhinjam harbor in position 08°00'N, 077°00'E.

2 **Vizhinjam International Seaport Ltd.** The Vizhinjam International Transshipment Deepwater Multipurpose Seaport is designed primarily to cater for container transshipment besides multi-purpose and break-bulk cargo.

3 The port is strategically located near the southern tip of the Indian coastline at a distance of 10 NM from ISL. The port can handle vessels of about 400 m length and 16.8 m draught.



**Vizhinjam International Seaport Ltd.**

4 **Port Limits.** Chart 2050, the port limits are as follows:

M1	08° 19'.05 N, 076° 57'.60 E
M2	08° 22'.14 N, 076° 59'.37 E
M3	08° 22'.69 N, 076° 59'.91 E
M4	08° 21'.58 N, 077° 00'.86 E
M5	08° 21'.35 N, 077° 00'.66 E
M6	08° 19'.54 N, 077° 02'.17 E
M7	08° 14'.79 N, 077° 02'.16 E
M8	08° 12'.93 N, 077° 00'.41 E
M9	08° 17'.13 N, 076° 55'.91 E

5 **Port authority.** The port is administered by The Adani Vizhinjam Port Pvt Ltd.  
Vizhinjam Sea Port, Mulloor P.O, Vizhinjam,  
Thiruvananthapuram-695521, Kerala, India  
Phone: +91 8089442999  
Email: poc.avppl@adani.com  
Website: www.adaniports.com

#### **Limiting conditions**

##### **5.187**

1 **Tides and Tidal Streams.** Tidal range is between +0.20 m and +0.80 m. For more information see Indian Tide Table. The tidal stream runs in the direction 070° –

250° at an average rate of 0.5 kts and max 1.0 kts during spring tides.

2 **Maximum size of vessels handled.** The port can handle vessels of about 400m (Ultra Large Container Vessel) with 16.8 m draught.

#### **Arrival Information.**

##### **5.188**

1 **Notice of ETA.** The arriving vessels should send ETA 7 days, 5 days, 3 days, 2 Days and 24 hours prior to arrival. The vessel must contact “ADANI VIZHINJAM PORT CONTROL” on VHF channel 16/ 10 at least 2 hours prior arrival to Port Limits for specific instructions regarding berthing.

2 **Pilotage.** Pilotage is compulsory for all vessels to approach the Harbour / Channel and Berths. **Pilot Boarding:** 08°18'.00N, 077°01'.00E.

3 **Tugs.** 03 nos Azimuth Stern Drive tugs 6000 hp / 70 BPT capacities are presently available with the port. The tugs are available at a short notice. The requesting authority is “Adani Vizhinjam Port Control” on VHF Channel 10/16.

4 **Port Radio.** Port keeps watch on VHF channel 16 / 10.

5 **Cranes and Container handling.** 08 Nos STS cranes with maximum lifting 75 MT, Height of boom 106m and outreach of 76m available with the port. 02 Nos Reach stacker with SWL 45 Ton, 24 Nos Cantilever Rail mounted gantry cranes with 41 MT and 02 Nos Empty Container handler with SWL 08 Ton available as Container handling facilities.

#### **Directions**

##### **5.189**

#### **Navigational Aids:**

1 **Vizhinjam Light House.** Vizhinjam Lighthouse (white round masonry tower, red bands, 36 m in height with 31 NM operational range) (08° 22'.80 N, 76° 58'.90 E).

2 **Channel Buoys.**

<b>Buoy</b>	<b>Position</b>	<b>Characteristics</b>
S1-South Cardinal Buoy	08°20'.37N, 77°01'.24E	Q(6) + LFl
B1- Lateral Buoy Green	08°20'.77N, 77°00'.87E	Fl G (5)
B2- Lateral Buoy Red	08°20'.62N, 77°00'.71E	Fl R (5)
B3- Lateral Buoy Green	08°21'.15N, 77°00'.51E	Fl G (5)
B4- Lateral Buoy Red	08°21'.00N, 77°01'.83E	Fl R (5)
B5- Lateral Buoy Green	08°21'.48N, 77°00'.20E	Fl G (5)
B6- Lateral Buoy Red	08°21'.34N, 77°00'.04E	Fl R (5)
B7- Lateral Buoy Green	08°21'.81N, 77°00'.00E	Fl G (5)

B8- Lateral Buoy Red	08°21'.60N, 76°59'78E	Fl R (5)
B10- Lateral Buoy Red	08°21'.77N, 76°59'.52E	Fl R (5)
B12- Lateral Buoy Red	08°21'.96N, 76°59'.40E	Fl R (5)
Fairway Buoy	08°19'.33N, 77°01'.83E	A long flash every 10 sec

3 **Navigational channel and turning circle of the berth.** The port approach channel consists of the two parts with a turning circle of 700 mtrs; the outer approach channel which is the section of the channel outside the breakwaters area and the inner approach channel, which is the section of the channel from the head of the breakwaters area to the vessel turning area. Channel specification is as follows:-

Outer Channel (Length x Width) - 2800 m x 400 m

Inner Channel (Length x Width) - 1200 m x 400 m

Turning Circle (Radius) - 700 m

4 **Anchorage.** Vessels awaiting to berth at Vizhinjam International Seaport should/ opt to anchor within the position:

**I - General Anchorage Area 'A':**

08°18'.97N, 76°57'.67E

08°17'.60N, 76°59'.14E

08°16'.13N, 76°57'.76E

08°17'.51N, 76°56'.29E

**II - General Anchorage Area 'B':**

08°15'.82N, 77°01'.05E

08°15'.13N, 77°01'.79E

08°13'.67N, 77°00'.41E

08°14'.35N, 76°59'.67E

The minimum depth at Anchorage area 'A' & 'B' is 25-30 meters.

5 Holding ground is good at all the anchorages with bottom consisting of fine sand. However vessels are advised to have sufficient shackles on their anchor, due to strong waves during monsoon period.

## Berths

### 5.190

1 The port has two berths (CB1 & CB2 each of 400 m) and total length of quay is 800 m with 18.4 m depth alongside, 2-3 ships can be berthed depending on LOA subject to 35 m clearance between each vessel.



Ships berthed at VISL

## Port Services

### 5.191

1 **Supplies.** Fuel can be arranged by agents with sufficient notice after obtaining permissions from Port Control. Heavy oil, Diesel oil available alongside berths & at anchorage through Trucks and barges.

2 **Fresh water** can be arranged through agents alongside berths through trucks. The average rate of supply – 50 MT/hr.

3 **Provisions.** Dry & fresh provisions and bonded stores are available through agents and various ship chandlers.

4 **Medical.** Routine medical help is available through agents and the port has its own medical infrastructure for dealing with any medical emergencies.

5 **Shore leave** to ship's crew is granted by Immigration authorities as per the existing government rules.

6 **Clubs/Recreation.** Foreign Exchange firms/ Banks, Beaches, Viewpoints, resorts are available near the harbour.

7 **Rescue and Distress.** Available.

8 **Garbage** and Sludge & Slop removal facility is available at port on advance requisition through agents by registered contractors free of cost.

9 **Transportation.**




Nearest Highway – NH47 (8.5 km)

Nearest Railhead – Trivandrum (13 km)

Nearest Airport – Trivandrum (15 km)

## SECTION – VII

### CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
<b>D6503</b>	- <b>Ldg Lts 252-5°</b> . Front. Esparcelado da Polona	25 57.97 S 32 37.44 E	Oc W 8s	14	<b>25</b>	Red  , yellow stripe, on framework tower on Dolphin 18	ec 3-5. Vis 2-5° each side of leading line. <b>Unreliable (T) 2016</b> ILRS Vol 2 Station 74130
	----- *	.. * *	Racon *	.. *	.. *	.. *	*
<b>D6503-1</b>	- <b>Ldg Lts 252-5°</b> . Rear. 1.62M from front. Miradouro	25 58.46 S 32 35.73 E	Oc W 8s	55	<b>25</b>	Red  , yellow stripe 15	ec 3-5. Vis 2-5° each side of leading line. Sync with front. <b>Unreliable (T) 2016</b>
	*	*	*	*	*	*	*
<b>D6508-1</b>	- Canal da Polana. Esparcelado da Catembe. Ldg Lts 239°. Rear. 1.05M from front. Catembe	26 00.38 S 32 33.76 E	Oc R 4s	30	12	Red  , yellow stripe 12	Vis 20° each side of leading line. <b>Unreliable (T) 2016</b>
	----- *	.. * *	Racon *	.. *	.. *	.. *	ILRS Vol 2 Station 74115 *
<b>D7085</b>	Sainte-Rose. N Breakwater	21 07.52 S 55 47.19 E	Fl(4)WR 15s	15	W10 R 7	White pylon, red top	W145°-245°(100°), R245°-145°(260°). <b>TE; replaced by red Light with reduced range (T) 2025</b>
							*
<b>D7363-738</b>	- New Musaffah Channel. DM43	24 15.42 N 54 22.37 E	Fl Y 5s	..	..	White board marked SHALLOW WATERS, on yellow metal framework	..
	*	*	*	*	*	*	*
<b>D7363-7385</b>	- New Musaffah Channel. DM44	24 14.48 N 54 18.03 E	Fl Y 5s	..	..	White board marked SHALLOW WATERS, on yellow metal framework	..
	*	*	*	*	*	*	*
<b>D7364-13</b>	- Halat Al Bahrani. DM45	24 24.17 N 54 15.45 E	Fl Y 5s	..	..	White board marked SHALLOW WATERS, on yellow metal framework	..
	*	*	*	*	*	*	*
<b>D7364-161</b>	- Halat Al Bahrani. DM41	24 25.00 N 54 15.78 E	Fl Y 5s	..	..	White board marked SHALLOW WATERS, on yellow metal framework	..
	*	*	*	*	*	*	*
<b>D7364-17</b>	- An Najwah al 'Awdah. DM39	24 25.60 N 54 16.78 E	Fl Y 5s	..	..	White board marked SHALLOW WATERS, on yellow metal framework	..
	*	*	*	*	*	*	*
<b>D7364-397</b>	- An Najwah al 'Awdah.DM40	24 24.40 N 54 19.48 E	Fl Y 5s	..	..	White board marked SHALLOW WATERS, on yellow metal framework	..
	*	*	*	*	*	*	*
<b>D7364-3996</b>	- An Najwah al 'Awdah. DM42	24 21.28 N 54 21.30 E	Fl Y 5s	..	..	White board marked SHALLOW WATERS, on yellow metal framework	..
	*	*	*	*	*	*	*

## 7.2

<b>D7364-3997</b>	- Khawr Abu Karwa. DM47	24 21-68 N 54 12-58 E	FI Y 5s	..	..	White board marked SHALLOW WATERS, on yellow metal framework	..
*	*	*	*	*	*	*	*
<b>D7364-3998</b>	- Khawr Abu Karwa. DM46	24 20-23 N 54 10-27 E	FI Y 5s	..	..	White board marked SHALLOW WATERS, on yellow metal framework	..
*	*	*	*	*	*	*	*
<b>D7364-414</b>	- Al-Aryam Island. DM49	24 17-45 N 54 10-98 E	FI Y 5s	..	..	White board marked SHALLOW WATERS, on yellow metal framework	..
*	*	*	*	*	*	*	*
<b>D7364-418</b>	- Al-Aream. DM48	24 19-22 N 54 09-25 E	FI Y 5s	..	..	White board marked SHALLOW WATERS, on yellow metal framework	..
*	*	*	*	*	*	*	*
<b>D7400</b>	BAHRAIN. SOUTH APPROACHES Remove from list; deleted						
<b>D7400-901</b>	BAHRAIN, PORT OF SITRAH - Raya Port. Entrance. E Side	26 17-40 N 50 38-51 E	FI G 5s	..	..	Green post	..
*	*	*	*	*	*	*	*
<b>D7400-902</b>	- Raya Port. Entrance. W Side	26 17-42 N 50 38-47 E	FI R 5s	..	..	Red post	..
*	*	*	*	*	*	*	*
<b>D7400-903</b>	- Diyar Al Muharraq. SW Corner	26 18-61 N 50 36-89 E	Q(3)W 10s	..	..	..	..
*	*	*	*	*	*	*	*
<b>D7400-904</b>	- Marassi Beach. S Mole. Head	26 17-93 N 50 38-73 E	Q(3)W 10s	..	..	..	..
*	*	*	*	*	*	*	*
<b>D7400-905</b>	- Marassi Beach. Detached Breakwater. S Head	26 17-99 N 50 38-77 E	Q(3)W 10s	..	..	..	..
*	*	*	*	*	*	*	*
<b>D7400-906</b>	- Marassi Beach. Center Mole. S Head	26 18-09 N 50 38-84 E	Q(3)W 10s	..	..	..	..
*	*	*	*	*	*	*	*
<b>D7400-907</b>	- Diyar Al Muharraq. E Entrance. S Side	26 18-58 N 50 38-98 E	FI R 3s	..	..	..	..
*	*	*	*	*	*	*	*
<b>D7400-908</b>	- Diyar Al Muharraq. E Entrance. N Side	26 18-64 N 50 39-07 E	FI G 3s	..	..	..	..
*	*	*	*	*	*	*	*
<b>D7407-7</b>	- Al Muharraq. Boat Harbour	26 14-31 N 50 36-71 E	FI R 5s	..	..	Red post	..
		*	*			*	

## SECTION – VIII

### CORRECTION TO LIST OF RADIO SIGNALS

**INP 31(1), 2024**

(Last correction: Edition No. 10 dated 16 May 2025)

PAGE 61, MYANMAR (Burma) YANGON (XYR).

Delete entry and replace by:

<b>YANGON (XYR)</b>		<b>16°42'65N 96°17'28E</b>
MMSI 005060100	DSC VHF MF HF 4 6 8 12 & 16 MHz	OBS
Telephone: +95 56 21507		
Call: Yangon Radio		Email: myanmar.crs.hq@gmail.com
NOTE(S): Station accepts Ships' Weather Reports addressed METEO YANGON.		

#### VHF

Budinchaung MMSI 005060600	16°57'.00N 97°15'.00E	Ch 16	H24
Chaungthar MMSI 005060700	16°57'.59N 94°27'.10E		
Kyaikkhami MMSI 005060400	16°04'.57N 97°33'.63E		
Kyaukphyu MMSI 005060300	19°17'.03N 93°31'.54E		
Thaungpyin MMSI 005060500	15°27'.75N 97°47'.90E		
Yangon (Rangoon)	16°42'.65N 96°17'.28E		

#### RT(MF)

	Position	Transmits	Receives	Hours of Watch
Chaungthar MMSI 005060700	16°57'.59N 94°27'.10E	2182	2182	H24
Kyaukphyu MMSI 005060300	19°17'.03N 93°31'.54E			
Yangon (Rangoon)	16°42'.65N 96°17'.28E			

#### RT(HF)

	Position	Transmits	Receives	Hours to watch
Kyaukphyu MMSI 005060300	19°17'.03N, 93°31'.54E	4125	4125	H24
		6215	6215	
		8291	8291	
		12290	12290	
		16420	16420	
Yangon (Rangoon)	16°42'.65N, 96°17' 28E	4125	4125	
		6215	6215	
		8291	8291	
		12290	12290	
		16420	16420	

**INP 31(2), 2024**

(Last correction: Edition No. 11 dated 01 Jun 2025)

NIL

**INP 31(5), 2021**

(Last correction: Edition No. 11 dated 01 Jun 2025)

NIL

**INP 31(6), 2023**

(Last correction: Edition No. 11 dated 01 Jun 2025)

**PAGE 130, MADAGASCAR, ANTIRANANA (DIEGO SUAREZ),****Pilots section.**

Delete and replace by:

**Pilots****CONTACT DETAILS:**

VHF Channel: Ch 16

E-mail: [station.diego@spt-mada.net](mailto:station.diego@spt-mada.net).**HOURS:** When a vessel is expected.**PROCEDURE:**(1) **Pilotage is compulsory** for the following categories of vessel:

(a) All vessels over 50m LOA

(b) All vessels navigating in the military port.

(2) Pilotage is optional E of a line joining Pointe de l'Aigle (12°14'.09S 49°21'.06E) and Cap Vatomaity (12°12'.76S 49°18'.11E).

(3) **Notice of ETA:** Vessels requiring the services of a Pilot must:

(a) Request during morning business hours if expecting an arrival that afternoon

(b) Request before 1630 LT if expecting an arrival the following morning.

(4) Vessels should contact Pilot by VHF 2h prior to arrival.

(5) **Pilot boards** in the following positions

(dependent on weather conditions):

(a) 12°13'.76S 49°22'.75E

(b) 12°13'.66S 49°21'.35E

(c) 12°13'.53S 49°19'.07E

**PAGE 130, MADAGASCAR, PORT D'EHOALA, Port section.**

Delete and replace by:

**CONTACT DETAILS:****Port Control**

VHF Channel: Ch 16; 12

Telephone: +261 03 46504791

E-mail: [nicolas.ramahafadrahona@riotinto.com](mailto:nicolas.ramahafadrahona@riotinto.com).**Port Coordinator**

Telephone: +261 03 46504868

E-mail: [hoby.havanandrasana@ehoalaport.com](mailto:hoby.havanandrasana@ehoalaport.com).**NOTE:**

Port is operated by Rio Tinto QMM.

**PAGE 131, MADAGASCAR, TOAMASINA (TAMATAVE), Port,****CONTACT DETAILS section.**

Delete and replace by:

**CONTACT DETAILS:****port**

VHF Channel: Ch 12

Telephone: +261 20 5332155

Fax: +261 20 5333558

E-mail: [spat@port-toamasina.com](mailto:spat@port-toamasina.com).**Madagascar International Container Terminal**

Telephone: +261 20 5335204

+261 20 5335205

+261 20 5335206

E-mail: [info@ictsi.mg](mailto:info@ictsi.mg)Website: [www.mictsl.mg](http://www.mictsl.mg).**Hr Mr**

Telephone: +261 03 42315985

Fax: +261 53 33558

E-mail: [capitainerie@port-toamasina.com](mailto:capitainerie@port-toamasina.com).





**SECTION – IX**  
**CORRECTIONS TO MISCELLANEOUS NAUTICAL PUBLICATIONS**

NIL

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

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

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

#### **Position Reporting**

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

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

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

#### **Depth Reporting**

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

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

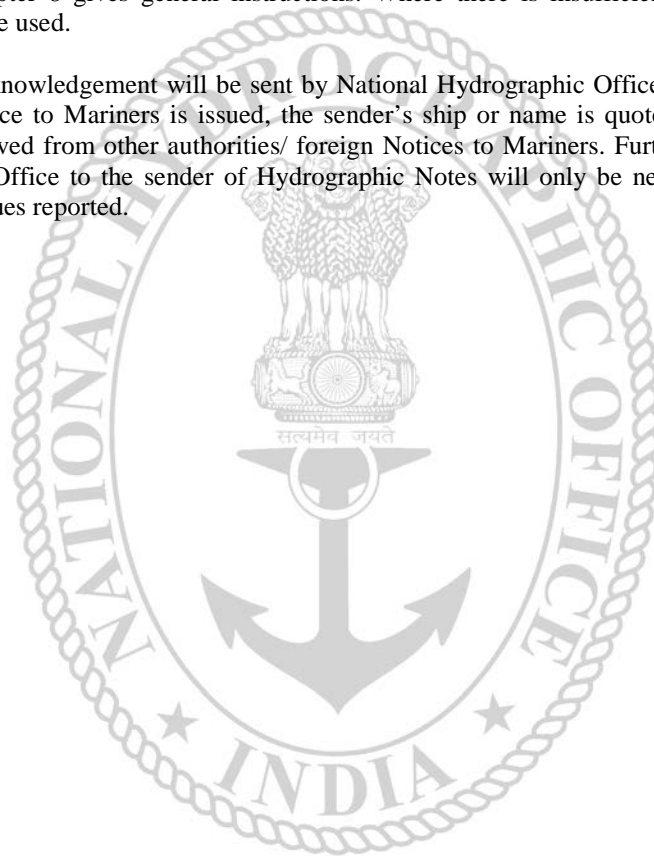
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be 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, ENC's and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes Observed (Tick appropriate)	<input type="checkbox"/> Bathymetry		<input type="checkbox"/> Nav. Dangers		<input type="checkbox"/> Nav. aids
	<input type="checkbox"/> Designated Areas		<input type="checkbox"/> Others		
Geographical Position (See Instructions Overleaf)	Latitude		Longitude		
Position Method	<input type="checkbox"/> DGPS	<input type="checkbox"/> GPS	<input type="checkbox"/> Radar	<input type="checkbox"/> Others	
Datum Used	<input type="checkbox"/> WGS84	<input type="checkbox"/> Everest	<input type="checkbox"/> Others		
Charts Affected			Edition		
Latest Edition of Indian Notices to Mariners Held					
Tracing/Plot/Photograph if enclosed					
ENCs Affected					
Latest Update Disk Held					
Publication Affected			Edition		
Page No./Light No. etc					
Details:					
Limitations if any in Reporting the Changes Above					
Details of Documents/Photos attached:					
Signature of the Master/Reporter/Observer					

HYDROGRAPHIC NOTE FOR PORT INFORMATION (To accompany Form IH.102)														IH.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																	
<b>Explanatory Notes for filling up the IH.102-A (Revised 2024)</b> <ol style="list-style-type: none"> <li>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).</li> <li>All time details to be in format him.</li> <li>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).</li> <li>Where applicable relevant data files may be shared in .txt, .pdf, .csv, files in the prescribed format.</li> <li>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.</li> <li>All diagrams are to be prepared with relevant Chart/ ENC in background where available.</li> <li>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.</li> </ol>																	

HYDROGRAPHIC NOTE FOR PORT INFORMATION (To accompany Form IH.102)		IH.102-A (Revised 2024)	
<b>1. NAME OF PORT</b>			
Port Location (WGS 84)	Latitude	DD° MM' SS".SS (N/S)	
	Longitude	DDD° MM' SS".SS (E/W)	
<b>2. GENERAL REMARKS</b>			
(a) Principal activities and trade			
(b) Number of ships and tonnage handled per year			
(c) Copy of Port handbook (if available)			
<b>3. ARRIVAL INFORMATION</b>			
(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.		
<b>4. ANCHORAGES</b>			
(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) <b>Restrictions:</b> anchoring prohibited, trawling prohibited, entry prohibited, discharging prohibited, and, or any other specific category Information, provide details for each <b>separately</b>	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.			

<b>5. PILOTAGE</b>							
(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: <b>boarding by pilot-cruising vessel, boarding by helicopter, pilot comes out from shore.</b>							
(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							
<b>6. DIRECTIONS</b>							
(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°
<b>7. POLLUTION CONTROL</b>							
(a) Compliance with MARPOL regulations, give details							
(b) Local regulation in force (If Any)							
<b>8. TUGS</b>							
(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							
<b>9. BERTHING AND WHARVES</b>							
(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							
<b>10. CARGO HANDLING</b>							
(a) Containers							
(b) Lighters & Ro-Ro etc.							
<b>11. CRANES</b>							
*[Provide details of Category of Crane: <b>container crane/gantry, Sheerlegs, travelling crane, A-frame</b> Colour pattern: <b>horizontal stripes, vertical stripes, diagonal stripes, Squared, stripes, border stripe for each separately</b> ]. 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	<u>Ser.</u>	<u>Crane Location Berth/ Wharf</u>	<u>*Category of Crane</u>	<u>Max Lifting Capacity</u>	<u>Height of Boom at Berth/ wharf level</u>	<u>Outreach</u>	
(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							
<b>12. BRIDGES</b>							
*[Category of Bridge: <b>fixed bridge, opening bridge, swing bridge, lifting bridge, bascule bridge, pontoon bridge, draw bridge, transporter bridge, foot bridge, viaduct, aqueduct, suspension bridge</b> : Colour pattern: <b>horizontal stripes, vertical stripes, diagonal stripes, Squared, stripes (direction unknown)</b> . Vertical Clearance: <b>from MHHW/MHWS</b>							
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)	<u>Ser.</u>	<u>Bridge Name</u>	<u>*Category of Bridge</u>	<u>Bridge Lay (Azimuth) (DDD°-DDD°)</u>	<u>Bridge Length (m)</u>	<u>Vertical Clearance (m)</u>	<u>Min and Max depths below Bridge</u>
<b>13. REPAIR FACILITIES – describe facilities available with all relevant information</b>							
(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							
<b>14. SERVICES</b>							
(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		
<b>15. RESCUE &amp; DISTRESS</b>		
Salvage, Lifeboat, Life guards, etc		
<b>16. SUPPLIES</b>		
(a) Fuel (Type, Quantities & Method of delivery)		
(b) Fresh water (Method of delivery and Rate of supply)		
(c) Provisions		
(d) Chart agents		
<b>17. COMMUNICATIONS</b>		
(a) Road, Rail and Air services available		
(b) Nearest airport or airfield		
(c) Port Radio and Information Service (Frequencies and Operating Hours)		
<b>18. SECURITY</b>		
(a) Security of ports / International Ship and Port Facility Security (ISPS) compliance		
(b) Custom and Immigration Regulations in force		
<b>19. SMALL CRAFT FACILITIES</b>		
(a) Information and facilities for small craft, yachts visiting the port		
(b) Yacht clubs, berths etc		
<b>20. SHORT LEAVE</b>		
<b>21. CLUBS RECREATION</b>		
(a) Information Kiosk (Location)		
(b) Foreign Exchange firms / Banks (within / near Port Area)		
(c) Places of interest near port		
<b>22. VIEWS</b>		
Annotated Photographs of the approaches, leading marks, the entrance to the harbour etc in soft copy if available.		
<b>23. BATHYMETRY DATA (IF PROVIDED)</b>		
(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

&, #, * (b) Time zone (c) Sounding Accuracy ( $\pm$ m.mm) achieved if ascertained (d) Latest survey data being forwarded to include the following	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. +(hh:mm)													
(i) Limits of surveyed area	Limit Point A B C D	Position in WGS 84 <table border="1"> <thead> <tr> <th data-bbox="592 286 922 315">Lat (N/S)</th> <th data-bbox="922 286 1401 315">Long (E/W)</th> </tr> </thead> <tbody> <tr> <td data-bbox="592 315 922 344">DD°MM'SS".SSS</td> <td data-bbox="922 315 1401 344">DDD°MM'SS".SSS</td> </tr> <tr> <td data-bbox="592 344 922 374">DD°MM'SS".SSS</td> <td data-bbox="922 344 1401 374">DDD°MM'SS".SSS</td> </tr> <tr> <td data-bbox="592 374 922 403">DD°MM'SS".SSS</td> <td data-bbox="922 374 1401 403">DDD°MM'SS".SSS</td> </tr> <tr> <td data-bbox="592 403 922 432">DD°MM'SS".SSS</td> <td data-bbox="922 403 1401 432">DDD°MM'SS".SSS</td> </tr> </tbody> </table> 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			Lat (N/S)	Long (E/W)	DD°MM'SS".SSS	DDD°MM'SS".SSS	DD°MM'SS".SSS	DDD°MM'SS".SSS	DD°MM'SS".SSS	DDD°MM'SS".SSS	DD°MM'SS".SSS	DDD°MM'SS".SSS
Lat (N/S)	Long (E/W)													
DD°MM'SS".SSS	DDD°MM'SS".SSS													
DD°MM'SS".SSS	DDD°MM'SS".SSS													
DD°MM'SS".SSS	DDD°MM'SS".SSS													
DD°MM'SS".SSS	DDD°MM'SS".SSS													
(ii) Scale of survey (Resolution)														
(iii) Details of positioning equipment and update rate of positioning data (DGPS/ RTK), min and max positional outages ( $\pm$ 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 DD°MM'SS".SSS N/S, DDD°MM'SS".SSS E/W		Radius of Circle in metres											
(ab) Dimensions, length and direction of approach Channels	<u>Channel</u> A B C	<u>Azimuth/ Lay</u> DDD°- DDD° DDD°- DDD° DDD°- DDD°	<u>Width of the Channel (m)</u>	<u>Length (Nm)</u>										
(ac) Designation of channels, Channel 'A' and 'B' (Primary/ alternate or multiple)														
(ad) Dredged area with depths achieved in the designated Channels	Channel A	Dredged Depth/ Minimum Depth Maintained at all times (mm.mm)	Limits of Channel Positions in WGS 84 From	Dredged Date 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			
<b>24. HORIZONTAL CONTROL</b>				
Geodetic Control Stations established by Survey of India in Port Premises.	<b>Details of Horizontal Control - Reference Station</b>			
	(a) Name of ITRF/ GCP/ Reference Station with Authority letter if available			
	(b) Description of the Reference Station along with photograph if available			
	(c) Position in WGS 84 datum if available	Latitude	DD° MM' SS".SSS (N/S)	
		Longitude	DDD° MM' SS".SSS (E/W)	
Ellipsoidal Ht		mm.mmm (metres)		
<b>25. VERTICAL CONTROL</b>				
Benchmark/ Local Bench Mark established by Survey of India in Port Premises	<b>Details Required</b>		<b>Data, Description and Remarks</b>	
	(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)				
<b>26. TIDE GAUGE</b>				
Pertains to tide gauge employed for tide observation. The details to be included area as follows:-	<b>Details of Tide Gauge</b>			
	<b>Details Required</b>		<b>Data, Description and Remarks</b>	
	(a) Type of Tide gauge used for observations			
	(i) Manual Tide Gauge Type(Flat/ Round Tide Pole)/ATG			
	(ii) Position of Tide Gauge		Latitude DD° MM' SS".SSS (N/S)	
			Longitude DDD° MM' SS".SSS (E/W)	
	(iii) Resolution of Tide Gauge			
	(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 $\pm$ 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					
<u>Date</u> DD-MMM- YYYY	<u>Time</u> (IST/UTC ) HH:MM: SS	<u>Height of Tide (HoT<sub>Obs</sub>) m</u>  Observed on gauge (m.mm m metres )	<u>Reduction applied with respect to value of Zero of tide gauge above / below Chart Datum.</u> + if above Chart Datum - if below Chart Datum (m.mmm metres)	<u>Corrected/ Reduced Tide with respect to Chart Datum HoT</u> <u>Reduced</u> (m. mm m metres)	<u>Smoothed and Reduced tide used for correcting soundings</u> <u>HoT</u> Applied (m.mmm metres)
DD-MMM-YYYY	HH <sub>1</sub> :MM <sub>1</sub> :SS <sub>1</sub>	m.mm m <sub>1</sub>	m.mmm <sub>r</sub>	m.m mm <sub>c</sub> <sub>1</sub>	m.mmm actual <sub>1</sub>
DD-MMM-YYYY	HH <sub>2</sub> :MM <sub>2</sub> :SS <sub>2</sub>	m.mm m <sub>2</sub>	m.mmm <sub>r</sub>	m.m mm <sub>c</sub> <sub>2</sub>	m.mmm actual <sub>2</sub>
DD-MMM-YYYY	HH <sub>2</sub> :MM <sub>2</sub> :SS <sub>2</sub>	m.mm m <sub>2</sub>	m.mmm <sub>r</sub>	m.m mm <sub>c</sub> <sub>3</sub>	m.mmm actual <sub>3</sub>
DD-MMM-YYYY	HH <sub>n</sub> :MM <sub>n</sub> :SS <sub>n</sub>	m.mm m <sub>n</sub>	m.mmm <sub>r</sub>	m.m mm <sub>c</sub> <sub>n</sub>	m.mmm actual <sub>n</sub>

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. <b>Details for each dumping ground be provided separately</b>	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	
<b>31. DETAILS OF DRY DOCK AREA</b>		
To include the following:-		
(a) Nomenclature of the Dry Dock. *Category of Dock area: tidal, non-tidal (wet dock)	<b>Nomenclature of the Dry Dock</b>	<b>Category of Dock area</b>
(b) Area and limits of the Dry Dock. Provide details of each dock separately.	<b>Dry Dock Limits</b>	
	<b>Ser.</b>	<b>Latitude (N/S)</b>
		<b>Longitude (E/W)</b>
		<b>Remarks (Brief Description if any)</b>
	(a)	DD°MM'SS".SSS
	(b)	DDD°MM'SS".SSS
	(c)	DD°MM'SS".SSS
	(d)	DDD°MM'SS".SSS
(c) Details of the Dry Dock Gate		
(d) Depth at the entry gate		
(e) Any other significant information		
<b>32. RELEVANT DRAWINGS OF THE PORT AREA/ DRY DOCKS ETC.</b>		
<b>33. AIDS TO NAVIGATION</b>		
(a) <b>Detail of buoys</b> *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	<b>Buoys</b>	
	<b>Details Required</b>	<b>Data, Description and Remarks</b>
	(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) <u>Photography</u> . Attach two photographs with the Buoy in centre focus and other with relevant prominent features	
<b>Details of transit marks/ beacons</b>		
(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)		
<b>34. DRONE IMAGERY OF THE PORT AREA IF AVAILABLE</b>		
<b>SIGNATURE OF THE OBSERVER / REPORTER / MASTER</b> <b>With Contact details including email id, Fax and Telephone number as applicable.</b>	<b>Sign</b>	
	<b>Name</b>	
	<b>Designation</b>	
	<b>Telephone No.</b>	
	<b>FAX No.</b>	
	<b>Email id</b>	
	<b>Address</b>	





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

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

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

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

**AFTN: VABBYXYC**