



INDIAN NOTICES TO MARINERS



EDITION NO. 01 DATED 01 JAN 2025

(CONTAINS NOTICES 031 TO 034)

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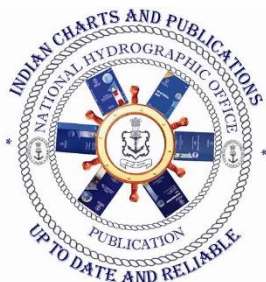
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(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

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INSIST ON INDIAN CHARTS AND
PUBLICATIONS
Original, Authentic and Up-to-Date



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II

MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

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

1. Indian List of radio Signals (ILRS VOL I)
2. Indian List of radio Signals (ILRS VOL II)
3. NTM Special Edition (for free download in website (www.hydrobharat.gov.in))

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.

IV

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

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

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

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

Use of Global Positioning System (WGS 84) positions.

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

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

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

NEWLY PUBLISHED INDIAN CHARTS, ENC_s AND PUBLICATION

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

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

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

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

7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2001	MUMBAI DOCKS	10000	NEW EDITION
2049	DEVGARH HARBOUR	25000	NEW CHART
2123	ULWA CHANNEL	10000	NEW EDITION
4187	PULO MILLOW ANCHORAGE: MEROE ISLAND	25000	NEW CHART

VI

Availability of ENCs

The complete folios of Official Indian ENC's are distributed worldwide through 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:

United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 484444 Email: customerservices@ukho.gov.uk Web site: www.admiralty.co.uk	M/s Primar Norwegian Hydrographic Service, Post box No. 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
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VII

TEMPORARY AND PRELIMINARY NOTICES

In Force as on 01 Jan 2025

(Former List dated 01 Oct 2024 is cancelled)

Cancelled Notices	
Area	Notice No.
1	NIL
2	098/22, 116/23, 142/23, 143/23, 044/24, 091/24, 092/24, 113/24, 120/24, 122/24, 129/24, 132/24, 142/24, 145/24, 146/24, 149/24, 152/24
3	103/21, 180/22, 079/23, 114/24, 121/24, 144/24
4	NIL

1. AFRICA EAST COAST, MADAGASCAR, RED SEA, ARABIA, PERSIAN GULF, PAKISTAN.		
Notice	Charts Affected	Description
091/19	227 – 2061 – 2099.	INDIAN OCEAN – MALDIVES – Male Atoll – Construction Work.
149/22	22 (INT 752) – 273 – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7703 (INT 703) – 7706 (INT 706) – 7707 (INT 707).	ARABIAN AND LAKSHADWEEP SEAS – INDIA AND MALDIVES – Kadmat Island to Ihavandiffulu Atoll.
139/24	7071 (INT 71) – 7072 (INT 72) – 7701 (INT 701) – 7703 (INT 703).	INDIA OCEAN – Gulf of Aden to the Maldives and the Seychelles Group – 3D Seismic Survey.

2. INDIA WEST COAST, LAKSHADWEEP, INDIAN OCEAN.		
Notice	Charts Affected	Description
127/15	2040.	INDIA – WEST COAST – Porbandar Port – Jetty.
164/18	21 – 292 (INT 7021) – 253 (INT 7328) – 206.	INDIA – WEST COAST – Veraval to Diu Head – Construction work.
076/19	292 (INT 7021) – 293 (INT 7022) – 255 (INT 7334) – 211 – 2016 (INT 7336) – 2076 (INT 7338) – 2123.	INDIA – WEST COAST – Ulwa Channel – Construction Work.
120/19	21 – 251 (INT 7318) – 252 (INT 7325) – 203 (INT 7319) – 2068 – 2031 (INT 7326) – 2013 (INT 7324).	INDIA – WEST COAST – Gulf of Kachchh – Port of Okha – Construction Work.
180/19	292 (INT 7021) – 253 (INT 7328) – 254 (INT 7331) – 207 – 2081 (INT 7342) – 2100.	INDIA – WEST COAST – Gulf of Khambhat – Approaches to Port Pipavav – Construction Work.
091/20	21 – 22 (INT 752) – 292 (INT 7021) – 293 (INT 7022) – 255 (INT 7334) – 211 – 2016 (INT 7336) – 2076 (INT 7338).	INDIA – WEST COAST – Jawaharlal Nehru Port and Trombay – Construction work.
094/20	21 – 22 (INT 752) – 292 (INT 7021) – 293 (INT 7022) – 255 (INT 7334) – 211 – 2016 (INT 7336) – 2076 (INT 7338).	INDIA – WEST COAST – Jawaharlal Nehru Port and Trombay – Construction work.
095/21	2106 – 2079 (INT 7329) – 2068 – 203 (INT 7319) – 21.	INDIA – WEST COAST – GULF OF KACHCHH – Mundra Port- Construction Work.

2. INDIA WEST COAST, LAKSHADWEEP, INDIAN OCEAN. (Continued)		
118/21	2076 (INT 7338) – 2016 (INT 7336) – 211 – 255 (INT 7334) – 292 (INT 7021) -293 (INT 7022) – 21-22 (INT 752).	INDIA – WEST COAST – Jawaharlal Nehru Port and Trombay – Construction activity.
129/21	21 – 22 (INT 752) – 292(INT 7021) – 293(INT 7022) – 255(INT 7334) – 211 – 2016(INT 7336) – 2076(INT 7338).	INDIA –WEST COAST – Jawaharlal Nehru Port and Trombay- Construction work.
216/22	21 – 203 (INT 7319) – 2068 – 2080 – 2079 (INT 7329) – 2106.	INDIA – WEST COAST – Gulf of Kachchh – Mundra Port – Dredging.
218/22	255 (INT 7334) – 256 (INT 7340) – 211 – 212 – 2036 (INT 7352) – 2103.	INDIA – WEST COAST – Dighi Port – Dredging.
220/22	21 – 292 (INT 7021) – 254 (INT 7331) – 208 – 2039 – 2082 – 2110.	INDIA – WEST COAST – Gulf to Khambhat – Dahej Harbour – Jetty Construction.
047/23	2005 – 2114.	INDIA – WEST COAST – Approaches to Kharo Creek and Mitha Port – Buoys
080/23	31(INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
131/23	2008 – 2009 – 2010 – 2353.	INDIA – WEST COAST – Karwar naval Harbour – Buoy.
134/23	211 – 212 – 254 (INT 7340) – 255 (INT 7334) – 2036 (INT 7352).	INDIA – WEST COAST – Dighi Harbour (Murud – Janjira) and Approaches – Fairway Buoy.
135/23	2008 – 2120 – 2353.	INDIA – WEST COAST – Karwar Port – Buoy.
163/23	22 (INT 752) – 212 – 256 (INT 7340) – 293 (INT 7022) – 2011 – 2105	INDIA – WEST COAST – Jaigarh and Angre Ports – Construction Activity.
185/23	32 (INT 754) – 224 – 262 (INT 7365) – 2075 (INT 7366).	INDIA – WEST COAST – Tuticorin Harbour; Approaches to Tuticorin – Construction Activity.
037/24	260 (INT 7362) – 261 (INT 7363) – 222 – 223 – 2012	INDIA – WEST COAST – Vizhinjam Anchorage, Alleppey Anchorage – Buoys.
090/24	22 (INT 752) – 32 (INT 754) – 260 (INT 7362) – 261 – 222 – 223 – 2012 – 2111.	INDIA – WEST COAST – Vizhinjim Harbour– Jetty Construction.
106/24	222 – 223 – 2012.	INDIA – WEST COAST – Alleppey Anchorage; Vizhinjam Anchorage – Buoys.
107/24	21 - 203 (INT 7319) - 2068 - 2080 – 2079 (INT 7329) - 2106.	INDIA – WEST COAST – Gulf of Kachchh – Mundra Port – Construction of Berth.
138/24	21 – 22 (INT 752) – 31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 205 – 206 – 211 – 212 – 213 – 219 – 221 - 222 – 223 – 224 – 252 (INT 7325) – 253 (INT 7328) – 255 (INT 7334) – 256 (INT 7340) – 258 (INT 7348) – 259 (INT 7356) – 260 (INT 7362) – 261 (INT 7363) – 262 (INT 7365) – 263 (INT 7383) – 272 – 292 (INT 7021) – 293 (INT 7022) – 294 (INT 7023) – 305 – 308 (INT 7409) – 352 (INT 7416) – 353 (INT 7413) – 354 (INT 7408) – 356 (INT 7400) – 357 (INT 7397) - 391 – 2012 – 2028 – 2032 - 2037 – 2048 – 2104 - 2121 – 3002 (INT 7410) – 3034 – 3035 – 3043 – 3044 - 7070 (INT 70) – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7702 (INT 702) – 7703 (INT 703) – 7705 (INT 705) – 7706 (INT 706) – 7707 (INT 707).	INDIAN OCEAN – Northern Part – Wave Rider Buoys.
143/24	21 – 22 (INT 752) – 268 (INT 7353) – 273 – 292 (INT 7021) – 293 (INT 7022) – 294 (INT 7023) – 295 (INT 7024) – 2047 – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7703 (INT 703) - 7705 (INT 705) – 7706 (INT 706) – 7707 (INT 707).	INDIA – WEST COAST – Arabian Sea – Data Buoys and Tsunami Buoys.

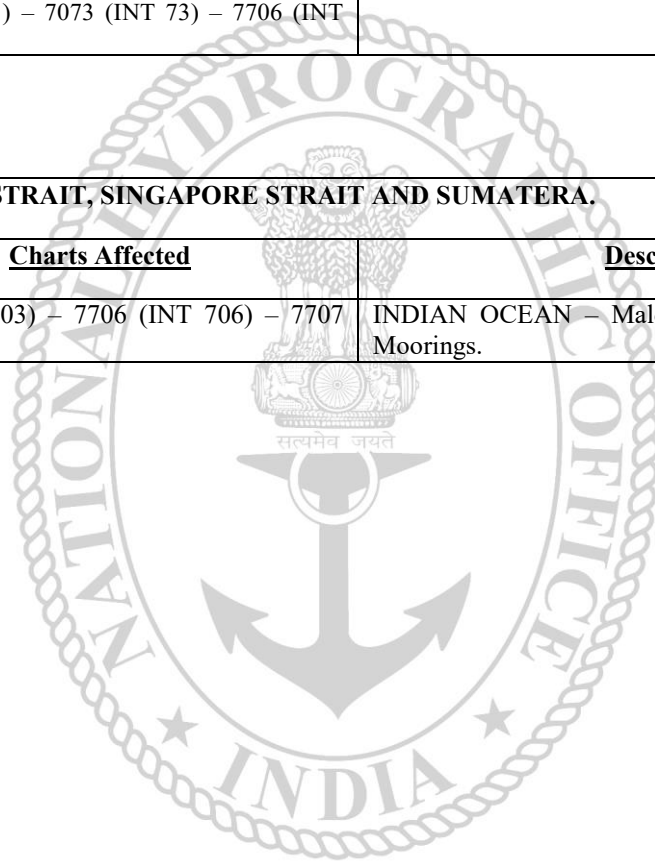
2. INDIA WEST COAST, LAKSHADWEEP, INDIAN OCEAN. (Continued)		
153/24	21 – 22 (INT 752) – 32 (INT 754) – 214 – 221 – 251 (INT 7318) – 253 (INT 7328) – 258 (INT 7348) – 260 (INT 7362) – 261 (INT 7363) – 263 (INT 7383) – 271 – 272 – 291 – 292 (INT 7021) – 293 (INT 7022) – 294 (INT 7023) – 295 (INT 7024) – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7703 (INT 703) – 7705 (INT 705) – 7706 (INT 706) – 7707 (INT 707).	INDIA – WEST COAST – Arabian Sea – ADCP Moorings.
154/24	31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 41 (INT 757) – 313 – 356 (INT 7400) – 357 (INT 7397) – 391 – 404 (INT 7439) – 405 (INT 7440) – 472 (INT 7032) – 473 (INT 7031) – 3001 (INT 7402) – 3004 (INT 7403) – 4115 – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706) – 7707 (INT 707).	INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys and Tsunami Buoys.
155/24	21 - 31 (INT 756) - 32 (INT 754) - 33 (INT 755) – 41 (INT 757) - 291 - 315 - 316- 358 (INT 7394) - 7070 (INT 70) - 7071 (INT 71) - 7072 (INT 72) - 7073 (INT 73) - 7508 (INT 508) – 7701 (INT 701) - 7702 (INT 702) - 7703 (INT 703) - 7706 (INT 706) - 7707 (INT 707) - 7708 (INT 708).	INDIAN OCEAN – NORTHERN PART – RAMA Buoys.
032/25	21 – 22 (INT 752) – 204 – 207 – 210 – 211 – 252 (INT 7325) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 271 – 291 – 292 (INT 7021) – 293 (INT 7022) – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7705 (INT 705) – 7706 (INT 706).	INDIA – WEST COAST – Arabian Sea – Oil Rigs.
033/25	22 (INT 752) – 32 (INT 754) – 220 – 260 (INT 7362) – 2029 (INT 7358) – 7071 (INT 71) – 7073 (INT 73) – 7703 (INT 703) – 7706 (INT 706).	INDIA – WEST COAST – Approaches to Kochi – Data Buoys.

3. INDIA EAST COAST, ANDAMAN NICOBAR, SRI LANKA, BANGLADESH, MYANMAR.		
Notice	Charts Affected	Description
090/18	31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408) – 308 – 3002 (INT 7410) – 3012 (INT 7411).	INDIA – EAST COAST – Vishakhapatnam Harbour – Construction Work.
188/19	4013.	ANDAMAN SEA – INDIA – ANDAMAN ISLANDS – Shaheed Dweep Pier (Neill Island Pier) – Construction Work.
211/19	4043.	ANDAMAN SEA – INDIA – ANDAMAN ISLANDS – Ariel Bay – Construction Work.
237/19	41 (INT 757).	BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Dredging.
244/19	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Drilling Operation.
090/21	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – wreck.
119/21	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – wreck.
177/21	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – wreck.
202/21	31 (INT 756) – 351 (INT 7419)	INDIA – EAST COAST – Paradip to Pussur River – Wreck.
064/22	31 (INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Wreck.

3. INDIA EAST COAST, ANDAMAN NICOBAR, SRI LANKA, BANGLADESH, MYANMAR. (Continued)		
073/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
096/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
097/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
115/22	32 (INT 754) – 262 (INT 7365) – 223 – 224	INDIA – SOUTH COAST – Kolachel to Manappad – Jetty Construction.
128/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
139/22	351 (INT 7419)	INDIA – EAST COAST – Paradip to Pussur River –Buoy.
140/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
141/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
195/22	31 (INT 756)	INDIAN OCEAN – BAY OF BENGAL – Northern Portion (Krishnapatnam to Bassein River) – Drilling.
204/22	31 (INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
223/22	31 (INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
033/23	31 (INT 756)	INDIA OCEAN – BAY OF BENGAL – Northern Portion – Krishnapatnam to Bassein River – Anchorage.
040/23	32 (INT 754) – 33 (INT 755) – 391 – 356 (INT 7400) – 313 – 3001 (INT 7402) – 3028 (INT 7404).	INDIA – EAST COAST – Kamarajar Port – Jetty Construction.
042/23	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
059/23	3010 (INT 7418) – 3041	INDIA – EAST COAST – Paradip Anchorage – Buoys.
075/23	31 (INT 756) – 32 (INT 754) – 355 (INT 7405) – 391 – 3005	INDIA – EAST COAST – Machilipatnam Anchorage – Construction Activity.
076/23	31 (INT 756) – 32 (INT 754) – 354 (INT 7408) – 391 – 3042.	INDIA – EAST COAST – Approaches to Kakinada – Construction Activity.
077/23	31 (INT 756) – 32 (INT 754) – 355 (INT 7405) – 391 – 3008 – 3026.	INDIA – EAST COAST – Nizampatnam Anchorage – Construction Activity.
078/23	31 (INT 756) – 32 (INT 754) – 356 (INT 7400) – 391.	INDIA – EAST COAST – Chennai to Ramayapatnam – Construction Activity.
110/23	31 (INT 756)	INDIAN – OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Wreck
146/23	31 (INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Wreck.
151/23	351 (INT 7419).	INDIA – EAST COAST – Paradip to Pussur River – Buoy.
187/23	31 (INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.

3. INDIA EAST COAST, ANDAMAN NICOBAR, SRI LANKA, BANGLADESH, MYANMAR. (Continued)		
074/24	31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 304 – 305 – 308 (INT 7409) – 352 (INT 7416) – 353 (INT 7413) – 354 (INT 7408) – 355 (INT 7405) – 356 (INT 7400) – 357 (INT 7397) – 391 – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706).	INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.
093/24	32 (INT 754) – 33 (INT 755) – 391 – 356 (INT 7400) – 313 – 3001 (INT 7402) – 3028 (INT 7404).	INDIA – EAST COAST – Kamarajar Port – Buoys.
133/24	41 (INT 757) – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706).	BAY OF BENGAL AND ANDAMAN SEA– Andaman Sea – Undersea Cable Maintenance.
156/24	31 (INT 756).	INDIA – EAST COAST – Paradip to Pussur River – Submarine Cable.
034/25	32 (INT 754) – 33 (INT 755) – 357 (INT 7397) – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706).	INDIA – EAST COAST – Bay of Bengal – Oil Rigs.

4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA.		
<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
039/24	7703 (INT 703) – 7706 (INT 706) – 7707 (INT 707).	INDIAN OCEAN – Maldives to Sumatera – ADCP Moorings.



SECTION – I

The list of charts affected by the Notices 031 to 034 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	032 (T)
22 (INT 752)	3	032 (T), 033 (T)
31 (INT 756)	5	031
32 (INT 754)	5	033 (T), 034 (T)
33 (INT 755)	5	034 (T)
204	2	032 (T)
207	2	032 (T)
210	3	032 (T)
211	3	032 (T)
220	3	033 (T)
252 (INT 7325)	2	032 (T)
253 (INT 7328)	2	032 (T)
254 (INT 7331)	3	032 (T)
255 (INT 7334)	3	032 (T)
256 (INT 7340)	3	032 (T)
260 (INT 7362)	4	033 (T)
271	2	032 (T)
291	2	032 (T)
292 (INT 7021)	2	032 (T)
293 (INT 7022)	3	032 (T)
357 (INT 7397)	5	034 (T)
2029 (INT 7358)	3	033 (T)
7071 (INT 71)	1	032 (T), 033 (T), 034 (T)
7072 (INT 72)	1	032 (T)
7073 (INT 73)	1	032 (T), 033 (T), 034 (T)
7703 (INT 703)	1	033 (T)
7705 (INT 705)	1	032 (T)
7706 (INT 706)	1	032 (T), 033 (T), 034 (T)

SECTION – II

PERMANENT NOTICES

***031 (01/25) INDIA – EAST COAST – Paradip to Pussur River – Wreck.**

Source: BNHOC Notice 44/2024.

Chart 31 (INT 756) [previous update 150/24]

Insert

7₁ Wk

22° 05′·48N., 091° 41′·49E.



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.

*032 (T) (01/25)	INDIA – WEST COAST – Arabian Sea – Oil Rigs.
Source: NCD, Mumbai.	
1. List of Oil Rigs is as follows: -	
Rig Name	Position
Great Drill Chaaya	19° 01'.91N., 072° 07'.29E.
Victory Driller	20° 42'.68N., 071° 38'.10E.
Ron Tappmeyer	18° 46'.02N., 072° 17'.96E.
Trident 2	19° 29'.83N., 071° 19'.49E.
Sagar Gaurav	20° 44'.84N., 072° 19'.31E.
Aban IV	18° 39'.66N., 072° 13'.33E.
Sagar Jyoti	20° 39'.28N., 071° 43'.43E.
Sagar Ratna	19° 24'.81N., 071° 59'.51E.
Compact Driller	19° 18'.78N., 072° 01'.55E.
Sagar Vijay	19° 19'.99N., 070° 02'.54E.
Sagar Bhushan	19° 18'.80N., 069° 56'.47E.
Jindal Explorer	18° 56'.92N., 072° 15'.93E
Admarine 9	19° 19'.83N., 071° 15'.33E.
Trident 12	19° 41'.32N., 071° 36'.61E.
Admarine 10	18° 58'.31N., 071° 47'.57E.
Foresight Driller IX	20° 14'.88N., 071° 57'.77E.
Aban III	18° 40'.10N., 072° 13'.58E.
Aban VIII	17° 27'.60N., 072° 26'.67E.
Key Singapore	18° 38'.79N., 072° 14'.97E
Virtue 1	19° 19'.57N., 071° 01'.61E.
Sagar Kiran	19° 41'.63N., 071° 21'.55E.
Jindal Supreme	19° 04'.20N., 071° 06'.11E
FG MC Clinttok	18° 30'.06N., 072° 15'.95E.
Great Drill Chaaru	19° 12'.50N., 072° 02'.24E.
Admarine 11	18° 38'.27N., 072° 14'.04E.
CE Thornton	20° 39'.50N., 071° 56'.02E.
Discovery 1	20° 21'.56N., 072° 01'.43E.
Divine Driller	20° 20'.04N., 072° 07'.55E.
Great Drill Chetna	20° 35'.64N., 072° 08'.03E.
Great Drill Chitra	19° 21'.46N., 071° 50'.13E.
Jindal Star	18° 58'.43N., 071° 37'.44E.
JT Angel	19° 33'.54N., 071° 23'.22E
Parameswara	19° 26'.11N., 071° 24'.16E
Sagar Uday	19° 22'.86N., 071° 27'.69E.
Sagar Samrat	18° 58'.43N., 071° 37'.44E.

Vivekananda 1	18° 39'.22N., 070° 58'.86E.
Vivekananda 2	19° 18'.32N., 071° 22'.76E.
Armada Sterling I	18° 35'.24N., 071° 02'.08E.
Armada Sterling II	19° 10'.50N., 070° 56'.70E.
DS Fossil	19° 23'.19N., 071° 17'.41E.
DS Fortune	19° 29'.91N., 071° 24'.65E.
2. All Highlighted Oil Rigs reflects changes in position of respective Oil Rigs from previous Notice.	
3. All vessels operating in vicinity are to maintain a clearance of 01 NM off the oil rigs.	
4. All positions referred to WGS 84 datum	
Charts Affected – 21 – 22 (INT 752) – 204 – 207 – 210 – 211 – 252 (INT 7325) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 271 – 291 – 292 (INT 7021) – 293 (INT 7022) – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7705 (INT 705) – 7706 (INT 706).	
<i>Former INTM 152 (T)/24 is cancelled.</i>	

*033 (T) (01/25)	INDIA – WEST COAST – Approaches to Kochi – Data Buoys.
Source: INCOIS.	
1. INCOIS deployed buoy based coastal observatory in below mentioned position:-	
Buoy Name	Position
Kochi	09° 47'.92N., 076° 12'.87E
2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.	
3. All positions are in WGS 84 datum.	
Charts Affected – 22 (INT 752) – 32 (INT 754) – 220 – 260 (INT 7362) – 2029 (INT 7358) – 7071 (INT 71) – 7073 (INT 73) – 7703 (INT 703) – 7706 (INT 706).	
<i>Former INTM 116 (T)/23 is cancelled.</i>	

*034 (T) (01/25)	INDIA – EAST COAST – Bay of Bengal – Oil Rigs.
Source: NCD, Mumbai.	
1. List of Oil Rigs is as follows: -	
Rig Name	Position
DDKG 1	11° 35'.61N., 080° 19'.91E.
2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the oil rigs.	
3. All positions referred to WGS 84 datum.	
Charts Affected –32 (INT 754) –33 (INT 755) – 357 (INT 7397) – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706).	
<i>Former INTM 144 (T)/24 is cancelled.</i>	

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

2. MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS

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

3. DISPLAY ANOMALIES IN ECDIS

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

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

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

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

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

5. **GAGAN SYSTEM COMMISSIONED FOR OPERATIONS**

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

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

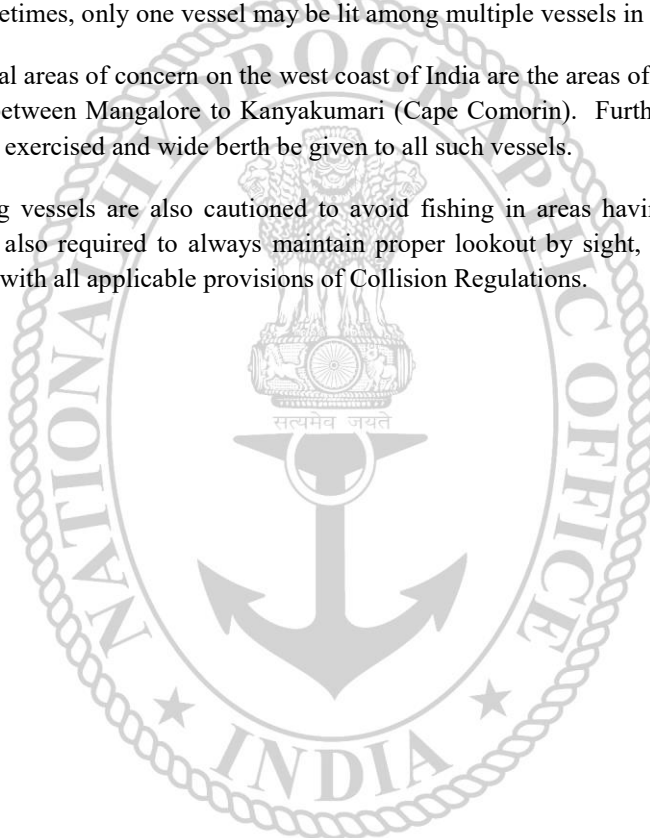
- (a) Under GMDSS, the usage of Iridium Mobile Satellite communication equipment in the Indian Waters are considered subject to the conditions as outlined under;
 - (aa) Merchant ships may install and keep the Iridium equipment active in Indian Territorial waters, provided the equipment is registered 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

<p>M/s Lift o Marine Allen's Mansion, C6 Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: +91 33 24924283 Email: sankar@liftomarine.org, liftomarine77@gmail.com Web: www.liftomarine.org</p>	<p>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</p>
<p>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: lcharts@gmail.com, lmarine@live.com</p>	<p>SMS Marine Private Ltd 505, Raheja Arcade, Sector 11 CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@c-map.co.in , raj.chakravorty@smsmaps.com Web: www.smsmaps.co.in</p>
<p>M/s JM Maritime Services 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 : charts@mtnl.net.in, jmms@mtnl.net.in</p>	<p>M/s VDO Marine Insrtments 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: atmain@md4.vsnl.net.in</p>
<p>M/s CNC Office No. S-12-92, Haware's Centurion Premises Cop, Soc. Ltd Plot no 88-91 Sector 19, Nerul Navi Mumbai – 400706 Web: emariner.net</p>	

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

1. All in force NAVAREA and NAVTEX messages are available for visualisation along with details of affected Charts and ENC's for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on www.hydrobharat.gov.in.
2. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2020.
3. NAVAREA VIII Warnings in force as on 01 Jan 25: -

2023 SERIES - 161 386 455 484 574 703 733 741 748 750 929 1046 1057
2024 SERIES - 180 188 215 317 465 481 499 539 550 551 584 587 600 604 640 669 691 707 709 791 817 831 843 900 901 920 931 947 958 965 969 974 988 1022 1026 1036 1054 1055 1062 1063 1067 1070 1075 1077 1078 1080 1081 1083 1084 1085 1087 1088 1089 1090 1095 1099 1100 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118

4. NAVAREA VIII Warnings issued during the period from 16 Dec 24 to 31 Dec 24 (both dates inclusive) are as tabulated below: -

1071. Cancel NAVAREA VIII MSG 178/23, 1027/24, 1033/24, 1044/24, 1046/24 and this MSG. INTM 151, 152(T) of 24/24 refers.
1072. India West Coast - off Karwar. Charts IN 22 257 294 INT 7343. Subsurface firing scheduled from 181330 to 181730 UTC Dec 24 and 190030 to 190430 UTC Dec 24 in danger area bounded by 14-06N 073-08E, 14-30N 073-04E, 14-30.5N 073-11.72E, 14-07.67N 073-16.53E. Wide berth from area advised. 2. Cancel this MSG 190530 UTC Dec 24.
1073. India East Coast - off Chennai. Charts IN 32 356 391 INT 7400. Firing by CG aircraft scheduled 20 and 27 Dec 24 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 271230 UTC Dec 24.
1074. Arabian Sea. Charts IN 7071 7703 INT 703. Space debris predicted from 20 to 26 Dec 24 between 1204 UTC and 1508 UTC in area bounded by 11-42N 068-45E, 12-49N 067-31E, 00-19N 055-55E, 00-49S 057-08E. Wide berth from area advised. 2. Cancel this MSG 261608 UTC Dec 24.
1075. India West Coast. Charts IN 21 255 292 INT 7334. Rig move. Vivekananda 1 (18-39.22N 070-58.86E), Key Singapore (18-38.79N 072-14.97E). Refer to 152(T) of INTM 24/24. Wide berth requested.
1076. Bay of Bengal - off Bangladesh. Charts IN 31 7706 INT 756 BA 90. Firing by Bangladesh air force scheduled 19 to 26 Dec 24 from 0200 to 1100 UTC in danger area bounded within 21-25N to 21-51N and 091-23E to 091-40E. Wide berth from area advised. 2. Cancel this MSG 261200 UTC Dec 24.
1077. India West Coast - Mumbai. Charts IN 21 211 255 2076 INT 7338. Ferry boat Neelkamal reported capsized in approximate position 18-56.14N 072-53.17E. Mariners to keep sharp lookout for survivors and render necessary assistance 2. Cancel this MSG 211830 UTC Dec 24.
1078. Southern Indian Ocean. Charts IN 7070 7073 INT 73. Space debris predicted from 23 Dec 24 to 31 Jan 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 Feb 25.
1079. India East Coast - off Gopalpur. Charts IN 31 305 353 INT 7413. Army air defence firing scheduled 23 to 25 Dec 24 from 0130 to 1430 UTC in danger area bounded by (a) 19-14.6N 084-53.7E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and arc of 41 Nm radius joining point B and C. Wide berth from area advised. 2. Cancel this MSG 251530 UTC Dec 24.
1080. India West Coast - off Daman. Charts IN 21 207 254 INT 7331. Vallianz Pegasus will carry out survey from 21 Dec 24 to 20 Feb 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 201830 UTC Feb 25.
1081. India West Coast - off Daman. Charts IN 21 254 292 INT 7331. Vyacheslav Tikhonov progressing seismic survey 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.

<p>1081. Continued. 2. Cancel this MSG 191830 UTC Jan 25.</p>
<p>1082. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. OSV Adwita, MT Sumati and DB Savitri-III progressing cable laying activities along 19-07.99N 072-48.67E, 18-54.56N 072-26.95E. Wide berth requested. 2. Cancel this MSG 311830 UTC Dec 24.</p>
<p>1083. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. AWB Sea Patriot and AHT Sea Venture progressing construction activities in vicinity of 19-34.40N 071-21.86E. Wide berth requested. 2. Cancel this MSG 151830 UTC Jan 25.</p>
<p>1084. India East Coast - off Kakinada. Charts IN 31 355 391 INT 7405. Coastal Triumph progressing geophysical survey in area bounded by 16-36.83N 082-24.50E, 16-28.50N 082-33.83E, 16-21N 082-24.50E, 16-28.50N 082-13.83E. Wide berth of 02 Nm requested. 2. Cancel This MSG 311830 UTC Jan 25.</p>
<p>1085. India West Coast. Charts IN 21 255 292 INT 7334. Rig move. Jindal Supreme (20-50.92N 072-25.61E). Refer to 152(T) of INTM 24/24. Wide berth requested.</p>
<p>1086. NAVAREA VIII - Warnings in force as on 20 Dec 2024 2023 Series - 161 386 455 484 574 703 733 741 748 750 929 1046 1057 2024 Series - 180 188 215 317 465 481 499 539 550 551 584 587 600 604 640 669 691 707 709 791 817 831 843 847 893 900 901 920 926 929 931 947 958 965 969 974 977 987 988 1012 1020 1021 1022 1025 1026 1032 1035 1036 1038 1042 1043 1054 1055 1056 1057 1062 1063 1067 1068 1070 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 (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 271000 UTC Dec 24.</p>
<p>1087. Arabian Sea. Charts IN 7071 7072 7705 INT 705. SW Thuridur will carry out seismic survey from 21 Dec 24 to 20 Jan 25 in area bounded by 20-30.30N 066-43.95E, 19-48.07N 067-23.53E, 19-01.47N 067-29.70E, 17-38.53N 069-33.09E, 15-59.16N 069-53.28E, 16-00.86N 062-47.33E, 18-06.81N 062-16.84E, 20-56.02N 065-37.77E, 22-12.62N 067-11.72E, 23-10.11N 067-48.49E, 23-00.09N 068-06.67E. Wide berth requested. 2. Cancel this MSG 201830 UTC Jan 25.</p>
<p>1088. India West Coast - off Kochi. Charts IN 22 220 2029 INT 7358. Firing by aircraft scheduled 23 Dec 24 to 03 Jan 25 from 0300 to 1130 UTC in danger area bounded by 09-50N 076-08E, 09-55N 076-06E, 09-54.03N 076-01.01E, 09-46.52N 076-03.30E. Wide berth from area advised. 2. Cancel this MSG 031230 UTC Jan 25.</p>
<p>1089. India West Coast - off Dighi. Charts IN 22 256 293 INT 752. IFB Radhe shyam reported fire onboard and sunk in approximate position 18-11N 072-15E. Crew rescued.</p>
<p>1090. India East Coast - off Visakhapatnam. Charts IN 31 354 3002 INT 7408. Naval exercise scheduled 28 Dec 24 to 04 Jan 25 from 0930 to 1330 UTC in danger area bounded by 17-39.30N 083-17.40E, 17-47.60N 083-24.60E, 17-42.40N 083-32.20E, 17-33.90N 083-25.10E. Wide berth from area advised. 2. Cancel this MSG 041430 UTC Jan 25.</p>
<p>1091. Southern Indian Ocean. Charts IN 7071 7073 INT 73. Rocket debris predicted from 260000 to 260600 UTC Dec 24 in danger area bounded by 13-39S 092-24E, 13-35S 091-51E, 08-14S 092-34E, 08-18S 093-07E. Wide berth from area advised. 2. Cancel this MSG 260700 UTC Dec 24.</p>
<p>1092. India East Coast - Sagar I. Charts IN 31 301 3011 INT 7421. DGPS (21-39.51N 088-02.82E) transmission will be switched off from 240030 to 241230 UTC Dec 24 for maintenance. 2. Cancel this MSG 241230 UTC Dec 24.</p>
<p>1093. Cancel NAVAREA VIII MSG 1074/24 and this MSG.</p>
<p>1094. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7334. CS recorder progressing cable laying operations in area bounded by 19-01.10N 072-27.5E, 18-54.83N 072-27E, 18-53N 072-21.9E, 18-52.74N 072-22E, 18-54.2N 072-27.60E, 19-00.50N 072-28E, 19-01.68N 072-34.21E, 19-01.75N 072-34.21E. Wide berth requested. 2. Cancel this MSG 301830 UTC Dec 24.</p>
<p>1095. India West Coast. Charts IN 21 255 292 INT 7334. Rig move. Sagar Uday (19-22.11N 071-25.95E), Divine Driller (19-05.34N 072-06.88E). Refer to 152(T) of INTM 24/24. Wide berth requested.</p>
<p>1096. India East Coast - off Visakhapatnam. Charts IN 31 354 391 INT 7408. Subsurface firing scheduled 28 to 30 Dec 24 from 0030 to 0830 UTC in danger area bounded by 17-21N 083-32.60E, 17-34.90N 083-47.10E, 17-21.70N 084-02.60E, 17-07.40N 083-48E. Wide berth from area advised. 2. Cancel this MSG 300930 UTC Dec 24.</p>
<p>1097. India West Coast - off Kollam. Charts IN 22 7706 INT 752. Firing scheduled 28 and 29 Dec 24 from 0430 to 1130 UTC in danger area bounded within 08-30N to 08-45N and 075-15E to 075-30E. Wide berth from area advised. 2. Cancel this MSG 291230 UTC Dec 24.</p>
<p>1098. India East Coast - Paradip. Charts IN 352 3010 3041 INT 7418. DGPS (20-15.32N 086-39.38E) transmission will</p>

<p>1098. Continued. be switched off from 270030 to 271230 UTC Dec 24 for maintenance. 2. Cancel this MSG 271230 UTC Dec 24.</p>
<p>1099. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. IVY, DHP Shivalik and Wilchief 1 progressing pipeline survey at various locations in areas bounded within (a) 19-31.50N to 19-38N and 071-17.50E to 071-24.30E (b) 19-15N to 19-27.50N and 071-11.50E to 071-25E. Wide berth requested. 2. Cancel NAVAREA VIII MSG 1042/24 and this MSG 151830 UTC Jan 25.</p>
<p>1100. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. Iron Tug, Leighton Eclipse and Tug Shakti progressing offshore installation works at various locations in areas bounded within (a) 19-31.50N to 19-38N and 071-17.50E to 071-24.30E (b) 19-15N to 19-27.50N and 071-11.50E to 071-25E. Wide berth requested. 2. Cancel NAVAREA VIII MSG 1043/24 and this MSG 061830 UTC Feb 25.</p>
<p>1101. Bay of Bengal and Indian Ocean - Sriharikota. Charts IN 33 7071 7073 7707 INT 71. Rocket launch from 13-44N 080-14.1E scheduled from 301600 to 302000 UTC Dec 24 2. Danger zone as follows Zone-1: Circle of 10 Nm around launcher Zone-2: danger area bounded by 12-10N 081-20E, 12-40N 081-45E, 11-45N 082-35E, 11-15N 082-10E, Zone-3: danger area bounded by 09-25N 083-50E, 09-55N 084-20E, 08-55N 085-15E, 08-25N 084-45E, Zone-4: danger area bounded by 01-30N 090-35E, 02-30N 091-45E, 00-30N 092-55E, 00-30S 091-45E, Zone-5: danger area bounded by 38-00S 110-30E, 36-45S 112-00E, 38-30S 115-00E, 40-40S 117-00E, 43-00S 115-40E, 41-00S 113-00E 3. Wide berth from area advised. 4. Cancel this MSG 302100 UTC Dec 24.</p>
<p>1102. India East Coast - Chennai. Charts IN 33 313 356 3001 INT 7400. Firing scheduled from 310830 to 310930 UTC Dec 24 in danger sector extending upto 11 Nm between bearing 045 and 075 from 13-07.02N 080-18.01E. Wide berth from area advised. 2. Cancel this MSG 311030 UTC Dec 24.</p>
<p>1103. India West Coast. CHARTS IN 21 255 292 INT 7334. Rig move. Jindal star (19-34.46N 071-21.78E). Refer to 152(T) of INTM 24/24. Wide berth requested.</p>
<p>1104. NAVAREA VIII - Warnings in force as on 27 Dec 2024 2023 Series - 161 386 455 484 574 703 733 741 748 750 929 1046 1057 2024 Series - 180 188 215 317 465 481 499 539 550 551 584 587 600 604 640 669 691 707 709 791 817 831 843 893 900 901 920 926 929 931 947 958 965 969 974 987 988 1020 1021 1022 1026 1036 1038 1054 1055 1057 1062 1063 1067 1068 1070 1075 1077 1078 1080 1081 1082 1083 1084 1085 1087 1088 1089 1090 1094 1095 1096 1097 1099 1100 1101 1102 1103 (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 031000 UTC Jan 25.</p>
<p>1105. India West Coast - off Mumbai. Charts IN 211 255 292 INT 7334. PFS Supplier, MT Dolphin V, MT Torque, Marine I and Akash I will carry out cable installation works from 28 Dec 24 to 28 Jan 25 in area bounded by 19-07.75N 072-48.90E, 19-01.28N 072-33.62E, 19-00.97N 072-33.63E, 19-00.82N 072-35E, 19-00.95N 072-35.40E, 19-05.88N 072-47.30E, 19-07.47N 072-49.5E. Wide berth of 0.5 Nm requested. 2. Cancel this MSG 281830 UTC Jan 25.</p>
<p>1106. India West Coast - off Porbandar. Charts IN 21 252 INT 7325. Firing by CG aircraft scheduled 02, 07, 14, 23 and 28 Jan 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 280930 UTC Jan 25.</p>
<p>1107. Bay of Bengal - off Bangladesh. Charts IN 31 BA 90 817 INT 756. Firing by Bangladesh Navy scheduled 01 to 31 Jan 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 Jan 25.</p>
<p>1108. Indian Ocean - off Mauritius. Charts IN 31 355 INT 7405. Hydrographic survey progressing in areas bounded by (a) 18-29.98S 057-00E, 18-29.98S 059-57E, 16-24S 059-57E, 16-24S 059-49E, 16-53S 059-49E, 16-53S 059-20.28E, 16-24S 059-20.28E, 16-24S 057-00E (b) 18-29.98S 058-35E, 20-19.96S 058-35E, 20-19.96S 059-57E, 18-29.98S 059-57E. Wide berth requested. 2. Cancel this MSG 201830 UTC Jan 25.</p>
<p>1109. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. Sai Sowbaghya will carry out pipeline survey from 31 Dec 24 to 31 Jan 25 in vicinity of 20-36.02N 072-02.23E, 20-10.38N 072-29.67E, 20-08.39N 071-53.14E, 20-</p>

<p>1109. Continued. 02.96N 071-45.71E, 20-16.76N 071-55.65E. Wide berth requested. 2. Cancel this MSG 311830 UTC Jan 25.</p>
<p>1110. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. CS Recorder progressing cable laying operations along line joining 18-52.86N 072-21.61E, 18-52.53N 072-11.32E, 18-40.72N 071-48.71E, 18-38.40N 071-42.25E, 18-29.89N 071-19.40E. Wide berth of 2Nm requested. 2. Cancel this MSG 101830 UTC Jan 25.</p>
<p>1111. India East Coast - off Visakhapatnam. Charts IN 31 308 INT 7409. Single point mooring buoy (17-45N 083-48E) unlit.</p>
<p>1112. Andaman Sea - off South Andaman I. Charts IN 33 41 473 INT 7031. Firing by aircraft scheduled 03, 08, 15, 17, 22 and 29 Jan 25 from 0430 to 0630 UTC in danger area bounded by 11-40N 092-27E, 11-43N 092-16E, 11-52N 092-19E, 11-48N 092-29E. Wide berth from area advised. 2. Cancel this MSG 290730 UTC Jan 25.</p>
<p>1113. India West Coast - Kochi. Charts IN 22 220 259 2004 INT 7356. Firing scheduled (a) 03, 10, 17, 24, 31 Jan 25; 07, 14, 21, 28 Feb 25 and 07, 14, 21, 28 Mar 25 from 0900 to 1200 UTC and 1230 to 1430 UTC (b) 06, 13, 20, 27 Jan 25; 03, 10, 17, 24 Feb 25 and 03, 10, 17, 24 Mar 25 from 0900 to 1200 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. Wide berth from area advised. 2. Cancel this MSG 281530 UTC Mar 25.</p>
<p>1114. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. OSV Adwita, MT Sumati and DB Savitri-III will carry out cable laying activities from 01 to 15 Jan 25 along 19-07.99N 072-48.67E, 18-54.56N 072-26.95E. Wide berth requested. 2. Cancel this MSG 151830 UTC Jan 25.</p>
<p>1115. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. CS Etisalat will carry out cable repairs from 01 to 04 Jan 25 in area bounded by 19-08.19N 070-00.79E, 19-06.72N 070-06.87E, 19-06.51N 070-09.05E, 19-06.29N 070-12.82E, 19-05.46N 070-17.52E, 19-04.37N 070-17.31E, 19-05.21N 070-12.68E, 19-05.41N 070-08.88E, 19-05.62N 070-06.61E, 19-07.20N 070-00.35E. Wide berth requested. 2. Cancel this MSG 041830 UTC Jan 25.</p>
<p>1116. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. Urja with Akship 9 progressing offshore installation works in vicinity of 18-29.84N 072-14.66E, 18-29.95N 072-13.46E, 18-29.56N 072-14.58E, 18-30.54N 072-14.09E, 18-32.72N 072-13.89E, 18-32.89N 072-14.56E, 18-33.68N 072-14.89E. Wide berth requested. 2. Cancel this MSG 151830 UTC Jan 25.</p>
<p>1117. Cancel NAVAREA VIII MSG 741/23 and this MSG.</p>
<p>1118. Gulf of Mannar - off Kanyakumari. Charts IN 32 223 262 INT 754. Lidar buoy deployed at 07-54.16N 077-39.84E for meteorological and oceanographic survey. Wide berth of 02 Nm requested. 2. Cancel this MSG 261830 UTC Mar 25.</p>

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

Bay of Bengal Pilot (INP-2)

Chapter – 9 (Page 332)

(Source: ROS- N (N) 122)

Article 9.60, Insert new para 4:

4 **Anchorage**s may be obtained in 1.3 nm SW from Cape Edinburgh in 30 m contour, 10 cables away from coastal reef. However strong currents were experienced which were North Easterly during flooding and South Westerly during ebbing ranging upto 3 knots.

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D6690	DAR ES SALAAM Remove from list; deleted						
D6988	EAST COAST - Mahanoro	19 54.07 S 48 48.93 E	Oc W 6s	24	10	White metal tower, black cupola 14	ec 1-5. W178°-030°(212°). TE 2024 *
D7006	Remove from list; deleted						
F1788	SELAT RIAU Remove from list; deleted						

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS



INP 31(1), 2024

(Last correction: INP 31(1), 2019, Edition No. 14 dated 16 July 2024)

PAGE 55, MALAYSIA, PENINSULAR.

JOHOR BAHRU MRSC (9MHE6)

Delete entry and replace by:

JOHOR BAHRU MRSC (9MHE6)		01°28'·00 N 103°45'·00 E	
MMSI 005330035		OBS	
 +60 7 2219231		 +60 7 2224739 +60 7 2279285	
Call: MRSC JOHOR BAHRU		Email: mrscojohorbharu@mmea.gov.my Website: https://www.mmea.gov.my	
NOTE(S) :	1. The Malaysian Maritime Enforcement Agency (MMEA) is responsible for coordinating Search and Rescue operations. 2. Additional radio watchkeeping on international distress frequencies, including DSC VHF and MF, are maintained by a network of remote stations under the control of Penang Radio (9MG). 3. The areas covered include the Malaysian Peninsula, Sabah and Sarawak.		



RT (HF)

Position	Transmits	Receives	Hours of Watch
	6435	6435	

PAGE 55, MALAYSIA, PENINSULAR.

KUANTAN MRSC (9MHE9)

Delete entry and replace by:

KUANTAN MRSC (9MHE9)		03°58'·18N 103°25'·98E	
MMSI 005330045			
 +60 9 5717368		 +60 9 5733569	
Call: MRSC KUANTAN		Email: mrsckuantan@mmea.gov.my Website: https://www.mmea.gov.my	
NOTE(S) :	1. Kuantan MRSC is based in Kuantan, the State Capital of Pahang. 2. The Malaysian Maritime Enforcement Agency (MMEA) is responsible for coordinating Search and Rescue operations. 3. Additional radio watchkeeping on international distress frequencies, including DSC VHF and MF, are maintained by a network of remote stations under the control of Penang Radio (9MG). 4. The areas covered include the Malaysian Peninsula, Sabah and Sarawak.		

RT (HF)

Position	Transmits	Receives	Hours of Watch
	4357(Ch 401)	4065	
	4366(Ch 404)	4074	
	6435	6435	

PAGE 55, MALAYSIA, PENINSULAR.**LANGKAWI MRSC (9MHE5)**

Delete entry and replace by:

LANGKAWI MRSC (9MHE5)		06°20'·05N 99°43'·57E	
MMSI 005330025			
☎ +60 4 9662750		☎ +60 4 9662768	
Call: MRSC LANGKAWI		Email: mrsclangkawi@mmea.gov.my Website: https://www.mmea.gov.my	
NOTE(S) :	1. The Malaysian Maritime Enforcement Agency (MMEA) is responsible for coordinating Search and Rescue operations. 2. Additional radio watchkeeping on international distress frequencies, including DSC VHF and MF, are maintained by a network of remote stations under the control of Penang Radio (9MG). 3. The areas covered include the Malaysian Peninsula, Sabah and Sarawak.		

RT (HF)

Position	Transmits	Receives	Hours of Watch
	6435	6435	

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. 13 dated 01 July 2024)

PAGE 164, MALAYSIA,

Delete entry and replace by:

MALAYSIA			
National SAR Agency: Malaysian Maritime Enforcement Agency(Malaysia Coast Guard) Address: Prime Minister's Department, 4-11th Floor, one IOI Square, IOI Resort, 62502 Putrajaya, Malaysia Tel: +60 3 89413140 +60 3 89957821 Fax: +60 3 89414527 e-mail: mrccputrajaya@mmea.gov.my Website: https://www.mmea.gov.my			
The Malaysian Maritime Enforcement Agency (Malaysia Coast Guard) is responsible for coordinating Search and Rescue operations. A network of stations monitor VHF and MF DSC and 2182 kHz and VHF Ch 16, Preferred inter RCC languages are English and Malay.			
	Telephone +60	Fax +60	Others
KUALA LUMPUR ARCC (Cospas-Sarsat SPOC)	3 78473573	3 78473572	AFTN: WMKKZQZX Email: klatcc@caam.gov.my Website: www.caam.gov.my
Malaysian Maritime Communications Centre(MMCC)	3 31670530	3 31664332	Email: mmcc@marine.gov.my
Malaysian Mission Control Centre (MYMCC)	9 5807175	9 5807176	AFTN: WMFCZSZX Email: mymcc@mmea.gov.my

MRCC PUTRAJAYA	3 89413140 3 89957821	3 89414527	Email: mrccputrajaya@mmea.gov.my
Peninsular Malaysia			
MRSC JOHOR BAHRU	7 2219231	7 2224739 7 2279285	Email: mrscjohorbharu@mmea.gov.my
MRSC KUANTAN	9 5717368	9 5733569	Email: mrsckuantan@mmea.gov.my
MRSC LANGKAWI	4 9662750	4 9662768	Email: mrsclangkawi@mmea.gov.my
Sabah and Sarawak			
MRSC KOTA KINABALU	88 387774	88 387444	Email: mrsckotakinabalu@mmea.gov.my
MRSC KUCHING	82 432544	82 364941 82 432554	Email: mrsckuching@mmea.gov.my

INP 31(6), 2023*(Last correction: Edition No. 23 dated 01 Dec 2024)*

NIL

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, 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.

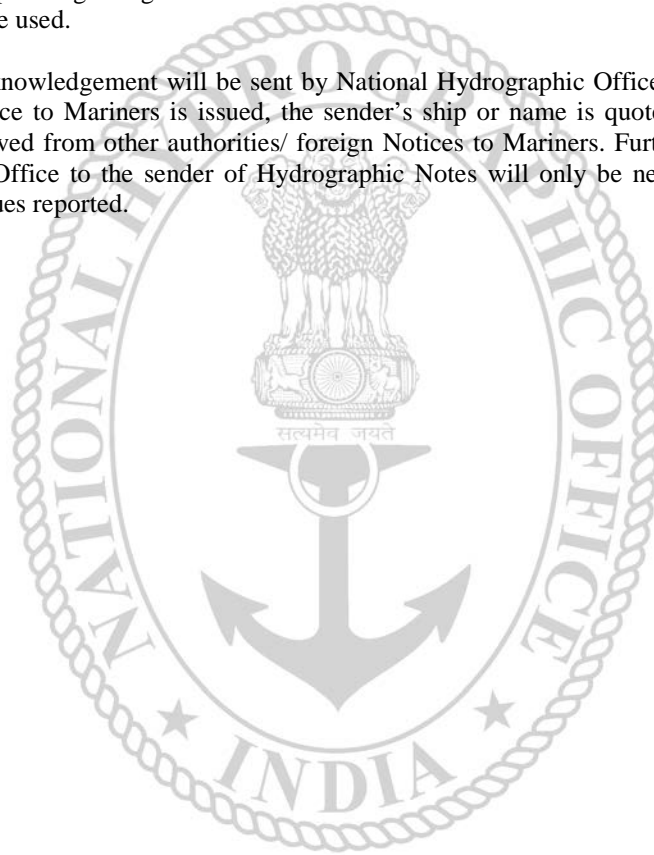
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be 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.

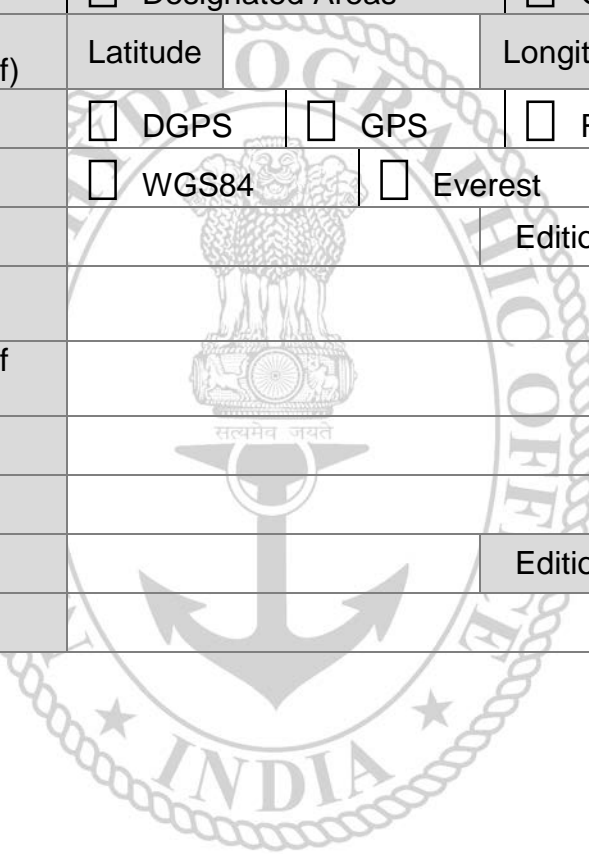
8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

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, 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																												
<p>Explanatory Notes for filling up the IH.102-A (Revised 2024)</p> <ol style="list-style-type: none"> 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)
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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).	<u>Ser.</u>	<u>Tug Name</u>	<u>Tug Type</u>	<u>Max HP / Bollard pull</u>	<u>VHF Channel</u>	
(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	<u>Ser.</u>	<u>Berth Name/ Number</u>	<u>Length (m)</u>	<u>Lay (Azimuth) (DDD°-DDD°)</u>	<u>Least Depth Alongside (mm.mm)</u>	<u>Facilities available</u>

(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	<u>Ser.</u>	<u>Crane Location on 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							
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)	<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>
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 (\pm 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		
(ii) Scale of survey (Resolution)	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			
(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		Radius of Circle in metres	
(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 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)		
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 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_{Obs}) 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 metres)	<u>Smoothed and Reduced tide used for correcting observed soundings</u> <u>HoT</u> <u>Applied</u> (m.mmm metres)
DD-MMM- YYYY	HH ₁ :MM ₁ :SS ₁	m.mm m ₁	m.mmm _r	m.m mm _c 1	m.mmm actual1
DD-MMM- YYYY	HH ₂ :MM ₂ :SS ₂	m.mm m ₂	m.mmm _r	m.m mm _c 2	m.mmm actual2
DD-MMM- YYYY	HH ₂ :MM ₂ :SS ₂	m.mm m ₂	m.mmm _r	m.m mm _c 3	m.mmm actual3
DD-MMM- YYYY	HH _n :MM _n :SS _n	m.mm m _n	m.mmm _r	m.m mm _c n	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	DD° MM' SS".SSS (N/S)		
	Longitude	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				
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

INDIAN NAVAL HYDROGRAPHIC

DEPARTMENT WISHES YOU

‘A HAPPY NEW YEAR’- 2025