

INDIAN NOTICES TO MARINERS



EDITION NO. 01 DATED 01 JAN 2023

(CONTAINS NOTICES 031 TO 033)

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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 IX with this notice. Also visit our website for downloading and filling up instructions for Hydrographic Note.

**Chief Hydrographer
to the Government of India**

WARNING AGAINST USE OF COUNTERFEIT PRODUCTS

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

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

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

III

EXPLANATORY NOTES

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

- (a) Geographical positions given are in the horizontal datum of the current edition of the chart, unless otherwise stated.
- (b) Bearings are true, reckoned clockwise from 000° to 359°. Bearings to lights are from seaward.
- (c) Symbols referred to, are those shown on the chart 5020 (INT 1).
- (d) Alterations to depth contours, deletion of depths to make way for new detail, etc; are not normally mentioned, unless they have some navigational significance.
- (e) Blocks and notes, if any, accompanying the Notices in Sections II and III are placed after Section IX.

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

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

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

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

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

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

Radio Navigational Warnings.

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

IV

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

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

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

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

Use of Global Positioning System (WGS 84) positions.

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

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

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

NEWLY PUBLISHED INDIAN CHARTS, ENC_s AND PUBLICATION

1. The new Indian Chart that is available for mariners in the market is 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 is available for mariners in the market is 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 is permanently withdrawn is 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 Chart that is available for mariners in the market is as follows:-

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

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

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

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

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

7. The forthcoming Indian Chart is as follows: -

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
253	VERAVAL TO PIPAVAV	3,00,000	NEW EDITION

VI

Availability of ENC's

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

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



VI

TEMPORARY AND PRELIMINARY NOTICES

In Force as on 01 Jan 2023

(Former List dated 01 Oct 2022 is cancelled)

Cancelled Notices	
Area	Notice No.
1	NIL
2	045/17, 077/19, 084/22, 113/22, 125/22, 126/22, 167/22, 171/22, 172/22, 178/22, 187/22, 188/22, 197/22, 203/22
3	212/12, 085/21, 169/22, 170/22, 179/22, 193/22, 199/22
4	NIL

1. AFRICA EAST COAST, MADAGASCAR, RED SEA, ARABIA, PERSIAN GULF, PAKISTAN.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
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.

2. INDIA WEST COAST, LAKSHADWEEP, INDIAN OCEAN.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
127/15	2040.	INDIA – WEST COAST – Porbandar Port – Jetty.
064/17	253 (INT 7328) – 254 (INT 7331) – 207 – 2081 – 2100 (INT 7344).	INDIA – WEST COAST – Approaches to Port Pipavav – Dredging Operation.
085/18	21 – 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 293 (INT 7022) – 2076 (INT 7338) – 2016 (INT 7336) – 2015 (INT 7337) – 2001.	INDIA – WEST COAST – Mumbai Docks – Construction Work.
134/18	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.
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.
121/19	260 (INT 7362) – 259 (INT 7356) – 220 – 2029 (INT 7358) – 2004 (INT 7359) – 2045 (INT 7360).	INDIA – WEST COAST – Port of Kochi – Construction Work.
133/19	21 – 203 (INT 7319) – 252 (INT 7325) – 2033 (INT 7341) – 2083 (INT 7339).	INDIA – WEST COAST – Gulf of Kachchh – sikka Creek – 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.

2. INDIA WEST COAST, LAKSHADWEEP, INDIAN OCEAN. (Continued).

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.
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.
034/22	260 (INT 7362) – 261 – 222 – 223 – 2012	INDIA – WEST COAST – Vizhinjam Anchorage, Alleppey Anchorage – Buoys.
098/22	21 – 292 (INT 7021) – 253 (INT 7328) – 254 (INT 7331) - 207 – 209 – 2081 (INT 7342) – 2100 (INT 7344)) – 2101 (INT 7347)..	INDIA -WEST COAST – Approaches to Hazira - Construction Work.
131/22	22 (INT 752) – 32 (INT 754) – 259 (INT 7356) – 260 (INT 7362) – 2029 (INT 7358)	INDIA – WEST COAST – Approaches to Kochi – Data Buoys.
146/22	22 (INT 752) – 214 – 293 (INT 7022) – 253 (INT 7328) – 292 (INT 7021) – 21 – 251 (INT 7318) – 271 – 291 – 258 (INT 7348) – 272 – 259 (INT 7356) – 221 – 263 (INT 7383) – 32 (INT 754) – 261	INDIA – WEST COAST – Arabian Sea – ADCP Moorings.
186/22	21 – 211 – 22 (INT 752) – 255 (INT 7334) – 292 (INT 7021)	INDIA – WEST COAST – Satpati to Dighi Harbour – Salvage operation.
198/22	21 – 22 (INT752) – 268 (INT7353) – 273 – 292 – 294 – 295 – 2047 – 7703 (INT703) – 7705 (INT705) – 7706 (INT706) – 7707 (INT 707)	INDIA – WEST COAST – Arabian Sea – Data Buoys and Tsunami Buoys.
202/22	21 – 22 (INT 752) – 31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 211 – 212 – 213 – 215 – 216 – 222 – 223 – 224 – 256 – 257 (INT 7343) – 258 (INT 7348) – 259 (INT 7356) – 260 – 261 – 262 (INT 7363) – 263 (INT 7383) – 272 – 273 – 293 (INT 7022) – 294 – 295 – 305 – 352 (INT 7416) – 353 (INT 7413) – 356 (INT 7400) – 357 (INT 7397) – 391 – 2008 – 2023 – 2028 – 2032 – 2037 – 2048 – 2053 – 2104 – 2120 – 2353 – 3034 – 3043 – 3044 – 7703 (INT 703) – 7705 (INT 705) – 7706 (INT 706) – 7707 (INT 707)	INDIAN OCEAN – Northern Part – Wave Rider Buoys.
214/22	21 – 22 (INT 752) - 292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 207 – 209 – 210 – 211 – 2101 (INT 7347)	INDIA – WEST COAST – Arabian Sea – Oil Rigs.
215/22	203 (INT 7319) - 2068 - 2080 – 2079 (INT 7329) - 2106.	INDIA – WEST COAST – Gulf of Kachchh – Mundra Port – Buoy.
216/22	21 - 203 (INT 7319) - 2068 - 2080 – 2079 (INT 7329) - 2106.	INDIA – WEST COAST – Gulf of Kachchh – Mundra Port – Dredging.
217/22	255 (INT 7334) - 256 (INT 7340) - 211 - 212 – 2036 (INT 7352).	INDIA – WEST COAST – Dighi Harbour (Murud-Janjira) and Approaches – Mundra Port – Buoy.
218/22	255 (INT 7334) - 256 (INT 7340) - 211 - 212 – 2036 (INT 7352) – 2103.	INDIA – WEST COAST – Dighi Port – Dredging.

2. INDIA WEST COAST, LAKSHADWEEP, INDIAN OCEAN. (Continued).

219/22	21 - 203 (INT 7319) - 2068 - 2080 - 2079 (INT 7329) - 2106.	INDIA - WEST COAST - Gulf of Kachchh - Mundra Port - Construction and Extension of Berth.
220/22	21 - 292 (INT 7021) - 254 (INT 7331) - 208 - 2039 - 2082 - 2110.	INDIA - WEST COAST - Gulf to Khambhat - Dahej Harbour - Jetty Construction.
222/22	21 - 31 (INT 756) - 32 (INT 754) - 33 (INT 755) - 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) - 7705 (INT 705) - 7706 (INT 706) - 7707 (INT 707) - 7708 (INT 708).	INDIAN OCEAN - NORTHERN PART - RAMA Buoys.
032/23	22 (INT 752) - 293 (INT 7022) - 256 (INT 7340) - 212 - 213 - 2028 - 2074.	INDIA - WEST COAST - Pawas Bay - Ranpar Port - Buoy.

3. INDIA EAST COAST, ANDAMAN NICOBAR, SRI LANKA, BANGLADESH, MYANMAR.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
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.
163/20	31 (INT 756).	INDIAN OCEAN - Bay of Bengal - Northern Portion (Krishnapatnam to Bassein River) - Dredging.
204/20	3003 - 32 (INT 754).	INDIA - EAST COAST - Cuddalore Anchorage - Dredging.
205/20	3003 - 32 (INT 754).	INDIA - EAST COAST - Cuddalore Anchorage - Construction Work.
090/21	31 (INT 756).	INDIAN OCEAN - Bay of Bengal - Northern Portion (Krishnapatnam to Bassein River) - Wreck.
103/21	224 -223- 262 (INT 7365) - 32 (INT 754).	INDIA - SOUTH EAST COAST - GULF OF MANNAR - Manappad to Setukkarai - Construction Activities.
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.
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.
105/22	31 (INT 756)	BAY OF BENGAL - Northern Portion - Drilling Operation.
114/22	41 (INT 757).	BAY OF BENGAL AND ANDAMAN SEA - Andaman Sea - Drilling Operation.
115/22	32 (INT 754) - 262 (INT 7365) - 223 - 224	INDIA - SOUTH COAST - Kolachel to Manappad - Jetty Construction.

3. INDIA EAST COAST, ANDAMAN NICOBAR, SRI LANKA, BANGLADESH, MYANMAR.

(Continued).

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.
147/22	3004(INT 7403) - 3001 (INT 7402) - 313 - 356 (INT 7400) - 357 (INT 7397) - 391 - 32 (INT 754) - 33 (INT 755).	INDIA – EAST COAST – Chennai Harbour – jetty.
159/22	31 (INT 756) – 32 (INT 754) – 355 (INT 7405) – 354 (INT 7408) – 391– 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706).	INDIA EAST COAST – Ramyapatnam to Sacramento shoal – Jacket & Buoys.
180/22	31(INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Dredging.
194/22	41 (INT 757)	BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea –Construction Activity and Pipeline Installation.
195/22	31 (INT 756)	INDIAN OCEAN – BAY OF BENGAL – Northern Portion (Krishnapatnam to Bassein River) – Drilling.
200/22	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) – 473 (INT 7031) – 3001 (INT 7402) – 3004 (INT7403) – 4115 – 7706 (INT 706)	INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys and Tsunami Buoys.
201/22	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 – 4252 – 7706 (INT 706)	INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.
204/22	31 (INT 756)	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) –Wreck.
221/22	391 – 354 (INT 7408) – 355 (INT 7405) – 3042.	INDIA – EAST COAST – Bay of Bengal – Oil Rigs.
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.

4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
179/21	7703 (INT 703) - 7706 (INT 706) - 7707 (INT 707)	INDIAN OCEAN - Maldives to Sumatera - ADCP Buoys.

SECTION – I

The list of charts affected by the Notices 031 to 033 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
22 (INT 752)	3	032 (T)
31 (INT 756)	5	033 (T)
212	3	031, 032 (T)
256 (INT 7340)	3	031, 032 (T)
293 (INT 7022)	3	031, 032 (T)
2011	3	031, 032 (T)
2105	3	031, 032 (T)



SECTION – II**PERMANENT NOTICES**

*031 (01/23) INDIA- WEST COAST – Jaigarh and Angre Ports - Anchorage

Source: JSW Jaigarh Port Limited.

Chart 293 (INT 7022) [previous update 174/22]



17° 18′.89N., 073° 12′.45E.

Chart 256 (INT 7340) [previous update 174/22]



17° 18′.89N., 073° 12′.45E.

Chart 212 [previous update 174/22]



17° 18′.89N., 073° 12′.45E.

Chart 2011 [previous update 046/22]

Insert



17° 18′.65N., 073° 12′.85E.



17° 18′.79N., 073° 12′.66E.



17° 18′.89N., 073° 12′.45E.



17° 18′.98N., 073° 12′.23E.



17° 19′.06N., 073° 11′.98E.

Chart 2105 [previous update 046/22]

Insert



17° 18′.65N., 073° 12′.85E.



17° 18′.79N., 073° 12′.66E.



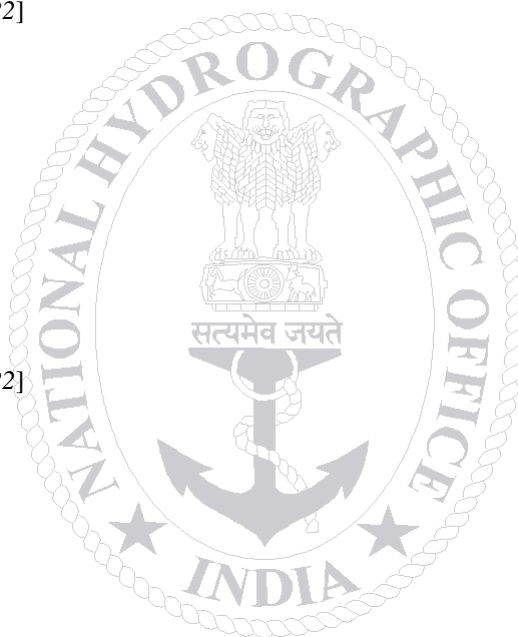
17° 18′.89N., 073° 12′.45E.





17° 18′.98N., 073° 12′.23E.



17° 19′.06N., 073° 11′.98E.



Section – III**TEMPORARY AND PRELIMINARY NOTICES**

*032 (T) (01/23)	INDIA – WEST COAST – Pawas Bay – Ranpar Port – Buoy.	
Source: Ranpar Port / Finolex Terminal.		
Insert	 Fl.R	16° 52′.86N., 073° 16′.51E.
Insert	 Fl.G	16° 52′.70N., 073° 16′.64E.
Charts Affected – 22 (INT 752) – 293 (INT (7022)) – 256 (INT 7340) – 212 – 213 – 2028 – 2074.		

***033 (T) (01/23) INDIA OCEAN – BAY OF BENGAL – Northern Portion – Krishnapatnam to Bassein River – Anchorage.**

Source: BNHOC Notice No 41(T)/2022.

1. Dredging work at Inner bar channel (Herbaria area) is in progress. Temporary restriction has been imposed on anchoring in the area bounded by following coordinates:-

Sl No.	Position
(a)	22° 18′.61., 089° 36′.39E.
(b)	22° 19′.67., 089° 37′.16E.
(c)	22° 20′.96., 089° 37′.77E.
(d)	22° 20′.74., 089° 38′.33E.
(e)	22° 19′.40., 089° 37′.78E.
(f)	22° 18′.29., 089° 37′.00E.

2. Mariners are advised to navigate with caution in the area and contact Port authority for latest information.

Charts Affected – 31 (INT 756).

SECTION – IV

MARINE INFORMATION

1. NAVTEX TRANSMISSION

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

Mauritius (Cassis)	- Operational
Seychelles (Mahe)	- Operational
Bangladesh (Kuakata)	- Operational

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

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

2. MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS

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

3. DISPLAY ANOMALIES IN ECDIS

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

- (a) The use of Thuraya, Iridium and other such satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act. It is intimated to all shipping companies/ shipping agents that use of Thuraya/ Iridium and other such satellite phones are banned in Indian waters and seafarers should not use the same.
- (b) Satellite phones can be used only after no objections certificate issued by department of telecommunication (DOT) on a case to case basis. The shipping agents should mandatorily intimate the details of person carrying Thuraya and the particulars of Thuraya, Iridium and other such sets in Pre Arrival Notification on Security (PANS).
- (c) The unauthorized holders of Thuraya/ Iridium and other such Satellite phones can be prosecuted under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act.

7. **CAUTIONARY NOTE**

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

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

- (a) All vessels navigating in Indian waters are cautioned to keep a sharp look-out for fishing vessels and small crafts, as there have been several incidents of collisions with such vessels in the past resulting in loss of innocent lives as well as damage to property.
- (b) It is further cautioned that all vessels need to exercise extreme care while navigating during hours of darkness as such vessels are generally of primitive built (wood/fibre/etc) due to which it may not be detected on ship's radar, especially during adverse weather conditions. Also, such vessels may not be properly lit, or sometimes, only one vessel may be lit among multiple vessels in a cluster.
- (c) The general areas of concern on the west coast of India are the areas of convergence and divergence of traffic, mainly between Mangalore to Kanyakumari (Cape Comorin). Further, in these areas, additional caution needs to be exercised and wide berth be given to all such vessels.

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

List of Indian Chart Agents

<p>OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p>M/s VDO Marine Instruments Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmain@md4.vsnl.net.in</p>
<p>M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor, 58, Dr. SunderlalBahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: sales@globalcharts.in Web: www.globalcharts.com.sg</p>	<p>SMS Marine Private Ltd 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@c-map.co.in , raj.chakravorty@smsmap.com Web: www.smsmaps.co.in</p>
<p>M/s C & C Marine Combine 25 Bank Street, 1st Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: vijay@ccmarine.in, sales@ccmarine.in</p>	<p>M/s Global Marine Infratech Pvt. Ltd. SikshaSandan, Ground Floor, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell: - +91-9337477799, 7077702499 Email: tusarkantha@gmiindia.in Web: www.gmiindia.in</p>
<p>M/s JM Maritime Services 24/24C Kavarana Building, Ground Floor, WadiBunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in , charts@mtnl.net.in</p>	<p>L. R. Marine Services 301, 3rd Floor, Biryra House, 265, PerinNariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com, lrmarine@live.com</p>
<p>M/s Lift o Marine Allen's Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: sankar@liftmarine.org, liftmarine77@gmail.com Web: www.liftmarine.org</p>	<p>IIC Technologies Limited 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: somnath.marthi@iictechnologies.com Web: www.iictechnologies.com</p>
<p>M/s Zenith Surveys (I) Pvt. Ltd. Lakhani'sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com nyvmane@yahoo.com Web: www.zenithsurvey.com</p>	<p>M/s CNC Office No. S-12-92, Haware's Centurion Premises Coop. Soc. Ltd Plot no 88-91, Sector 19, NERUL, Navi Mumbai – 400706 Tel: +91 22 22660017/ +91 22 49747575 Cell No: +91 9920654848/ +91 7506097212 Email: sales@emariner.net</p>

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

1. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2020.
2. NAVAREA VIII Warnings in force as on 31 Dec 22: -

2021 SERIES - 147 286 340 463 478 479 544 629 658 759 761 833
2022 SERIES - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437
445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 597 601 606 615 617 623
630 646 651 656 688 691 702 757 804 805 824 856 883 931 956 958 962 970 975 977 979
980 984 993 994 1000 997 999 1002 1011 1012 1016 1023 1024 1025 1026 1027 1033 1036
1037 1040 1041 1042 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058
1059 1061 1062

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

<p>1008. India West Coast - Porbandar. Charts IN 21 204 252 292 INT 7325. DGPS (21-37.33N 069-37.19E) transmission will be switched off from 190130 to 201230 UTC Dec 22 for maintenance.</p> <p>2. Cancel this MSG 201230 UTC Dec 22.</p>
<p>1009. India West Coast - off Daman. Charts IN 21 254 292 INT 7331. GS Rashi will carry out pipeline survey in area bounded by 20-40.94N 071-43.3E, 20-40.49N 072-09.7E, 20-04.22N 072-08.95E, 20-04.65N 071-42.65E from 18 to 20 Dec 22. Wide berth requested.</p> <p>2. Cancel this MSG 201830 UTC Dec 22.</p>
<p>1010. India East Coast - off Balasore. Charts IN 31 351 3017 INT 7419. IAF firing scheduled from 20 to 23 Dec 22 from 0330 to 1030 UTC in danger area bounded by 20-57.24N 087-15.2E, 17-33.46N 085-13.37E, 17-15.1N 085-48.03E, 20-38.26N 087-50.16E. Wide berth from area advised.</p> <p>2. Cancel this MSG 231130 UTC Dec 22.</p>
<p>1011. India West Coast - Gulf of Kachchh. Charts IN 21 203 2060 INT 7332. Barge Leighton eclipse, AHT Susanna, cargo barge aqua float and tow tug marigold progressing pipeline laying in vicinity of 22-31.6N 069-42.48E, 22-31.6N 069-41.26E. Wide berth requested.</p> <p>2. Cancel this MSG 181830 UTC May 23.</p>
<p>1012. India West Coast - off Mumbai. Charts IN 21 254 255 292 INT 7334. DSV Seamec princess progressing pipeline replacement in area bounded by 19-40.39N 071-16.22E, 19-32.33N 071-16.54E, 19-26.22N 071-09.93E, 19-13.72N 071-23.74E, 19-23.93N 071-29.21E, 19-41.34N 071-22.60E. Wide berth requested.</p> <p>2. Cancel this MSG 251830 UTC Dec 22.</p>
<p>1013. Navarea VIII - warnings in force as on 16 Dec 2022.</p> <p>2021 Series - 147 286 340 387 447 463 478 479 544 629 658 690 759 761 833</p> <p>2022 Series - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437</p> <p>445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 597 601 606 615 617 623</p> <p>630 646 651 656 688 691 702 757 804 805 810 824 855 856 869 871 873 875 883 887 901</p> <p>907 911 912 920 922 924 928 931 932 936 940 942 946 948 955 956 958 960 962 963 969</p> <p>970 973 975 976 977 978 979 980 984 985 991 993 994 1000 996 997 999 1001 1002 1004</p> <p>1005 1006 1007 1008 1009 1010 1011 1012</p> <p>(a) Navarea VIII warnings less than 42 days promulgated via safety net.</p> <p>(b) text of Navarea VIII warning in force including those which no longer broadcast available in www.hydrobharat.gov.in.</p> <p>2. Cancel this MSG 231000 UTC Dec 22.</p>
<p>1014. India East Coast - off Gopalpur. Charts IN 31 305 352 353 391 INT 7413. Army Air Defence firing scheduled from 18 to 20 Dec, 26 to 27 Dec 22 from 0130 to 0830 UTC in danger area bounded by (a) 19-14.6N 084-53.7E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and arc of 41 nm radius joining point b and c Wide berth from area advised.</p> <p>2. Cancel this MSG 270930 UTC Dec 22.</p>
<p>1015. India West Coast - off Ponnani. Charts IN 22 220 259 294 INT 7356. Firing by CG aircraft scheduled 23, 29 and 30 Dec 22 from 0430 to 1030 UTC in danger area bounded within 10-20N TO 10-50N AND 075-00E TO 075-35E Wide berth from area advised.</p>

1015. Continued. 2. Cancel this MSG 301130 UTC Dec 22.
1016. Bay of Bengal. Charts IN 31 7706 INT 756. SW Thuridur progressing seismic survey in area bounded by 20-14.12N 089-16.36E, 19-40.43N 087-22.95E, 18-34.57N 087-41.64E, 18-48.73N 088-28.7E, 17-25.73N 088-57.37E, 17-28.02N 089-20.19E, 17-32.5N 089-23.68E Tow length 6nm Wide berth requested. 2. Cancel this MSG 051830 UTC Jan 23.
1017. Bay of Bengal - off Myanmar. Charts IN 31 BA 817 INT 7430. MV-Hailey Sarah will carry out survey from 20 to 29 Dec 22 in area bounded by 19-40.36N 092-32.59E, 19-40.35N 092-32.62E, 19-40.34N 092-32.62E, 19-40.32N 092-32.6E. Wide berth of 2.2 nm requested. 2. Cancel this MSG 291830 UTC Dec 22.
1018. India West Coast - off Trivandrum. Charts IN 22 222 260 261 INT 752. Rocket launch from Thumba (08-31.52N 076-52.8E) scheduled on 21 Dec 22 from 0530 to 0700 UTC Danger sector (a) radius of 05 nm between azimuth 190 and 300 (b) radii of 45 nm and 75 nm between azimuth 220 and 260 Wide berth from area advised. 2. Cancel this MSG 210800 UTC Dec 22.
1019. India East Coast - off Chennai. Charts IN 32 313 356 391 INT 7400. Firing by CG aircraft scheduled on 23 Dec 22 from 0130 to 1130 UTC in danger area bounded within 12-49N to 12-59N and 080-46E to 081-26E Wide berth from area advised. 2. Cancel this MSG 231230 UTC Dec 22.
1020. India West Coast - off Kochi. Charts IN 22 220 259 260 INT 752. Firing scheduled 22 and 23 Dec 22 from 0430 to 1130 UTC in danger area bounded within 09-42N to 09-52N and 075-40E to 075-50E. Wide berth from area advised. 2. Cancel this MSG 231230 UTC Dec 22.
1021. India West Coast - Gulf of Kachchh. Charts IN 21 203 252 291 2013 INT 7325. Okha (22-28.61N 069-04.19E) DGPS transmission will be switched off from 220130 to 231230 UTC Dec 22 for maintenance. 2. Cancel this MSG 231230 UTC Dec 22.
1022. India West Coast - off Mumbai. Charts IN 21 255 256 292 INT 7334. GS Rashi will carry out pipeline survey in areas bounded by (a) 19-42.47N 070-45.4E, 19-41.77N 071-40.37E, 18-55.88N 071-39.67E, 18-55.92N 070-44.9E (b) 18-46.37N 072-09.43E, 18-43.14N 072-24.05E, 17-58.8N 072-23.18E, 17-59.09N 072-08.57E (c) 19-27.84N 071-45.34E, 19-27.53N 072-12.99E, 18-59.58N 072-20.18E, 19-00.14N 071-46.33E (d) 20-40.94N 071-43.29E, 20-40.48N 072-09.69E, 20-04.21N 072-08.95E, 20-04.65N 071-42.66E from 21 to 25 Dec 22 Wide berth requested. 2. Cancel this MSG 251830 UTC Dec 22.
1023. India West Coast - off Mumbai. Charts IN 21 255 256 292 INT 7334. Acoms 11 will carry out pipeline survey in areas bounded by (a) 18-41.63N 072-09.34E, 18-36.97N 072-23.93E, 17-58.8N 072-23.18E, 17-59.05N 072-08.57E FROM 22 DEC 22 TO 08 JAN 23 (b) 19-42.47N 070-45.4E, 19-41.76N 071-40.37E, 18-55.88N 071-39.67E, 18-55.9N 070-44.9E FROM 09 TO 13 JAN 23 (c) 19-27.84N 071-45.34E, 19-27.53N 072-12.94E, 18-59.58N 072-20.18E, 19-00.14N 071-46.33E FROM 14 TO 18 JAN 23 (d) 21-04.76N 072-21.28E, 21-04.65N 072-26.8E, 21-01.28N 072-26.72E, 21-01.38N 072-21.21E from 19 to 21 Jan 23 Wide berth requested. 2. Cancel this MSG 211830 UTC Jan 23.
1024. India West Coast - off Mumbai. Charts IN 21 255 292 293 INT 7334. Barge AWB Seamec Glorious will carry out pipeline survey from 21 Dec 22 to 25 Jan 23 in vicinity of 19-12.83N 072-06.78E, 18-35.05N 072-14.35E, 18-35.1N 072-14.37E, 18-34.97N 072-14.45E Wide berth requested. 2. Cancel this MSG 251830 UTC Jan 23.
1025. India West Coast - Gulf of Khambhat. Charts IN 208 254 292 INT 7331. Wenna, Trewenna and Kohinoor-1 progressing seismic survey in area bounded by 22-11.98N 072-28.11E, 21-54.82N 072-18.65E, 21-48.49N 072-19.12E, 21-50.76N 072-30.07E, 22-04.48N 072-30.3E. Wide berth requested. 2. Cancel this MSG 141830 UTC Jan 23.
1026. India West Coast - off Bhatkal. Charts IN 22 216 257 294 2356 INT 7023. Firing scheduled 23 to 31 Dec 22 from 0330 to 1130 UTC in danger area bounded by 14-01.05N 074-27.57E, 13-51.05N 074-27.57E, 13-51.05N 074-07.57E, 14-11.05N 074-07.57E, 14-09.05N 074-22.57E. Wide berth from area advised. 2. Cancel this MSG 311230 UTC Dec 22.
1027. India East Coast - off Kakinada. Charts IN 31 355 391 INT 756. Southern Ocean carrying out hook-up activities in vicinity of 16-22.13N 082-19.24E, 16-23.22N 082-18.13E, 16-23.2N 082-20.37E, 16-21.04N 082-20.36E, 16-21.05N 082-18.1E from 23 Dec 22 to 20 Jan 23. Wide berth requested. 2. Cancel this MSG 201830 UTC Jan 23.
1028. India East Coast - Chennai. Charts in 33 313 356 3001 INT 7400. Firing scheduled on 27 Dec 22 from 0830 to 0930 UTC in danger sector extending upto 11 nm between bearing 045 and 075 from 13-07.02N 080-18.01E Wide berth from area advised. 2. Cancel this MSG 271030 UTC Dec 22.

<p>1029. India East Coast - off Sagar I. Charts IN 31 301 351 INT 7419. Firing by CG aircraft scheduled 26 and 29 Dec 22 from 0430 to 1030 UTC in danger area bounded within 20-37N TO 20-52N and 088-30E to 089-00E. Wide berth from area advised. 2. Cancel this MSG 291130 UTC Dec 22.</p>
<p>1030. India West Coast - off Porbandar. Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled on 26 Dec 22 from 0330 to 0530 UTC in danger area bounded by 21-32N 069-24E, 21-17N 069-24E, 21-17N 069-06E, 21-32N 068-56E. Wide berth from area advised. 2. Cancel this MSG 260630 UTC Dec 22.</p>
<p>1031. India East Coast - off Visakhapatnam. Charts IN 31 354 7071 7706 INT 706. Firing scheduled 27 to 29 Dec 22 from 0130 to 1130 UTC in danger area bounded by 15-21.8N 081-56.6E, 18-13.6N 084-52.6E, 16-10.8N 087-09.5E, 13-11.3N 084-27.1E. Wide berth from area advised. 2. Cancel this MSG 291230 UTC Dec 22.</p>
<p>1032. Navarea VIII - warnings in force as on 23 Dec 2022. 2021 series - 147 286 340 387 447 463 478 479 544 629 658 690 759 761 833 2022 series - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 597 601 606 615 617 623 630 646 651 656 688 691 702 757 804 805 810 824 855 856 869 873 875 883 887 901 907 911 912 920 922 924 928 931 932 936 940 942 946 948 955 956 958 962 969 970 975 976 977 978 979 980 984 985 993 994 1000 997 999 1001 1002 1011 1012 1013 1014 1015 1016 1017 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 (a) Navarea VIII warnings less than 42 days promulgated via safety net. (b) text of Navarea VIII warning in force including those which no longer broadcast available in www.hydrobharat.gov.in. 2. Cancel this MSG 301000 UTC Dec 22.</p>
<p>1033. India West Coast. Charts IN 21 255 292 INT 7334. Rig move Gd chaaya (18-38.79N 072-14.94E), Vivekanand-2 (19-24.65N 071-13.07E). refer to 214(T) of INTM 24/22 Wide Berth Requested.</p>
<p>1034. India East Coast - off Visakhapatnam. Charts IN 31 354 391 INT 7408. Subsurface operation scheduled from 260330 to 301130 UTC Dec 22 in danger area bounded by 17-08.4N 083-19.1E, 17-23.4N 083-34.8E, 17-10.2N 083-48.5E, 16-55N 083-32.9E. Wide berth from area advised. 2. Cancel this MSG 301230 UTC Dec 22.</p>
<p>1035. India West Coast - off Ponnani. Charts IN 22 220 259 294 INT 7356. Firing by CG aircraft scheduled 28, 29 and 30 Dec 22 from 0330 to 0730 UTC in danger area bounded by 10-50N 075-35E, 10-20N 075-40E, 10-20N 075-10E, 10-50N 075-00E. Wide berth from area advised. 2. Cancel this MSG 300830 UTC Dec 22.</p>
<p>1036. Andaman Sea. Charts IN 33 41 7706 INT 706. Eagle explorer will carry out seismic survey in vicinity of 08-06.79N 090-34.77E, 08-06.79N 091-54.08E, 10-44.7N 091-54.08E, 10-44.7N 093-00.84E, 09-50.8N 093-00.84E, 09-50.8N 095-17.96E, 07-15.32N 095-17.96E, 06-02.72N 094-37.75E, 03-59.33N 092-48.63E, 03-59.33N 091-36.41E, 05-41.99N 090-34.77E, 08-06.79N 090-34.77E from 26 Dec 22 to 25 Jan 23. Tow length 10km. Wide berth requested. 2. Cancel this MSG 251830 UTC Jan 23.</p>
<p>1037. Bay of Bengal. Charts IN 33 7071 7706 INT 706. Amazon warrior will carry out seismic survey in area bounded by 12-24.8N 090-19.81E, 13-15.81N 090-19.81E, 13-15.81N 091-20.71E, 12-24.8N 091-20.71E from 27 Dec 22 to 26 Jan 23. Vessel towing streamer of 10 km. Wide berth requested. 2. Cancel this MSG 261830 UTC Jan 23.</p>
<p>1038. India West Coast - Gopnath Point. Charts IN 207 254 INT 7331. DGPS (21-12.2N 072-06.63E) transmission will be switched off from 270130 to 281230 UTC Dec 22 for maintenance. 2. Cancel this MSG 281230 UTC Dec 22.</p>
<p>1039. India West Coast – Okha. Charts IN 21 202 203 2068 INT 7319. Firing scheduled on 29 Dec 22 from 0530 to 0730 UTC in danger sector extending upto 12 nm within bearing 300 to 020 from 22-28.75N 069-04.05E Wide berth from area advised. 2. Cancel this MSG 290830 UTC Dec 22.</p>
<p>1040. Arabian Sea. Charts IN 22 7071 7707 INT 71. Sw cook will carry out seismic survey in area bounded by 14-56.56N 069-28.51E, 15-24.36N 070-28.86E, 07-24.16N 073-30.88E, 07-22.13N 073-19.96E, 07-27.76N 072-06.88E, 14-45.28N 069-17.26E from 27 Dec 22 to 11 Jan 23 Wide berth requested. 2. Cancel this MSG 111830 UTC Jan 23.</p>
<p>1041. India West Coast - off Mumbai. Charts IN 21 255 256 292 INT 7334. Gs Rashi will carry out pipeline survey in areas bounded by (a) 19-32.15N 071-15.68E, 19-32.1N 071-19.29E, 19-27.29N 071-19.22E, 19-27.34N 071-15.61E from 27 Dec 22 to 02 JAN 23 (b) 19-29.35N 071-19.27E, 19-27.29N 071-19.22E, 18-55.46N 072-28.93E, 18-56.21N 072-29.72E from 03 to 20 Jan 23 Wide berth requested. 2. Cancel this MSG 201830 UTC Jan 23.</p>

<p>1042. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7021. Sudarshan progressing structural work of ONGC platforms in areas bounded by (a) 19-41.98N 071-07.08E, 19-41.62N 071-34.48E, 19-26.21N 071-34.24E, 19-26.56N 071-06.89E FROM 27 DEC 22 TO 03 JAN 23 (b) 19-11.13N 071-06.68E, 19-10.79N 071-33.99E, 19-26.2N 071-34.23E, 19-26.56N 071-06.88E FROM 04 to 27 Jan 23 Wide berth requested.</p> <p>2. Cancel this MSG 271830 UTC Jan 23.</p>
<p>1043. Cancel Navarea VIII MSG 810/22, 855/22, 869/22, 875/22, 901/22, 907/22, 912/22, 924/22, 932/22, 955/22, 969/22 and this MSG. INTM 214(T), 221(T) of 24/22 refers.</p>
<p>1044. Andaman Sea - off Rutland I. Charts IN 33 41 473 INT 7031. Firing scheduled 30 and 31 Dec 22 from 0930 to 1130 UTC in danger area bounded by 11-36.8N 092-45.66E, 11-36.03N 092-46E, 11-35.33N 092-45.66E, 11-36N 092-44.99E. Wide berth from area advised.</p> <p>2. Cancel this MSG 311230 UTC Dec 22.</p>
<p>1045. India West Coast - off Bhatkal. Charts IN 22 294 INT 7023. Vessel reported adrift in approximate position 12-48.87N 070-20.13E.</p> <p>2. Cancel this MSG 311830 UTC Dec 22.</p>
<p>1046. India West Coast - off Dwarka. Charts IN 21 271 291 292 INT 7021. Fishing boat reported sunk in approximate position 21-44.52N 067-15.5E at 290800 UTC Dec 22.</p>
<p>1047. India East Coast - off Gopalpur. Charts IN 31 305 352 353 391 INT 7413. Army air defence firing scheduled from 01 to 20 Jan, 23 to 28 Jan, 30 Jan to 02 Feb 23 from 0130 to 0830 UTC and 0930 to 1430 UTC in danger area bounded by (a) 19-14.6N 084-53.7E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and ARC of 41 nm radius joining point b and c.) Wide berth from area advised.</p> <p>2. Cancel this MSG 021530 UTC Feb 23.</p>
<p>1048. Andaman Sea - off Barren I. Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled 03, 06, 09 Jan 23 from 0730 to 0930 UTC in danger area bounded within 11-50N TO 12-00N and 093-40E to 094-10E. Wide berth from area advised.</p> <p>2. Cancel this MSG 091030 UTC Jan 23.</p>
<p>1049. India West Coast - off Mormugao. Charts IN 22 215 257 293 294 INT 752. Firing scheduled from 030930 to 031230 UTC and 040230 to 040530 UTC Jan 23 in danger areas bounded by (a) 15-36N 071-50E, 14-39N 073-40E, 14-00N 074-00E, 13-30N 073-02E, 14-31N 071-24E (b) 17-23N 070-35E, 16-58N 071-25E, 16-24N 072-09E, 14-31N 071-24E, 16-15N 068-37E. Wide berth from area advised.</p> <p>2. Cancel this MSG 040630 Utc Jan 23.</p>
<p>1050. Southern Indian Ocean. Charts IN 7072 7073 INT 73. Space debris predicted in area bounded by 28-43S 067-35E, 29-08S 065-25E, 41-03S 068-21E, 40-39S 070-51E from 02 to 08 Jan 23 between 1709 and 1728 UTC.</p> <p>2. Cancel this MSG 081828 UTC Jan 23.</p>
<p>1051. India West Coast - off Mormugao. Charts IN 22 214 2020 2022 INT 7345. Hydrographic survey progressing in area bounded within 15-18.7N to 15-32N and 073-42E to 073-51E. Wide berth requested.</p> <p>2. Cancel this MSG 081830 UTC Jan 23.</p>
<p>1052. India West Coast. Charts IN 21 22 292 293 7705 INT 705. Samudra sarvekshak progressing survey in vicinity of 19-44.27N 071-34.24E, 19-45.96N 071-39.13E, 18-09.24N 072-20.16E, 21-39.46N 068-49.27E, 21-35.7N 068-27.4E, 20-56.25N 072-34.27E, 18-54.73N 071-56.5E, 18-47.74N 071-15.68E, 18-08.09N 072-19.41E, 18-07.31N 072-19.49E, 18-13.42N 072-20.4E. Wide berth requested.</p> <p>2. Cancel this MSG 281830 UTC Jan 23.</p>
<p>1053. India West Coast. Charts IN 21 255 256 292 INT 7334. Awb shivansh shambhavi progressing structural work of ONGC platforms in areas bounded by (a) 19-12N 071-40E, 19-12N 071-54E, 19-15N 072-00E, 18-59N 072-00E, 18-59N 071-40E (b) 20-50N 071-49E, 20-50N 072-8E, 20-35N 072-8E, 20-20N 071-53E, 20-20N 071-50E, 20-25N 071-50E, 20-25N 071-49E. Wide berth requested.</p> <p>2. Cancel this MSG 251830 UTC Jan 23.</p>
<p>1054. India West Coast - off Mumbai. Charts IN 21 255 256 292 INT 7334. DSV wilchief-1 progressing structural work of ONGC platforms in area bounded by 19-42.8N 071-13.05E, 19-42.8N 071-25.18E, 19-10.4N 071-36.78E, 19-10.4N 071-22.35E, 19-14.98N 071-18.2E, 19-14.98N 071-14.13E, 19-17.76N 071-09.47E, 19-31.31N 071-09.47E, 19-31.31N 071-13.05E. Wide berth requested.</p> <p>2. Cancel this MSG 251830 UTC Jan 23.</p>
<p>1055. Southern Indian Ocean. Charts IN 2503 7073 7702 INT 77391. Fv Yu Feng no.67 reported sunk in approximate position 16-49.6S 059-31.15E.</p>
<p>1056. India West Coast - off Mumbai. Charts IN 21 255 292 INT 7334. Sea patriot and Seaventure will carry out accommodation barge activities in vicinity of 19-34.46N 071-21.78E from 01 to 31 Jan 23. Wide berth requested.</p> <p>2. Cancel this MSG 311830 UTC Jan 23.</p>
<p>1057. India West Coast - off Bhatkal. Charts IN 22 216 257 294 2356 INT 7023. Firing scheduled 04 to 07 Dec 22 from 0230 to 1200 UTC in danger area bounded by 14-01.05N 074-27.57E, 13-51.05N 074-27.57E, 13-51.05N</p>

<p>1057. Continued. 074-07.57E, 14-11.05N 074-07.57E, 14-09.05N 074-22.57E. Wide berth from area advised. 2. Cancel this MSG 071300 UTC Jan 23.</p>
<p>1058. Navarea VIII - warnings in force as on 30 Dec 2022. 2021 series - 147 286 340 387 447 463 478 479 544 629 658 690 759 761 833 2022 series - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 597 601 606 615 617 623 630 646 651 656 688 691 702 757 804 805 824 856 873 883 911 922 931 936 948 956 958 962 970 975 977 979 980 984 985 993 994 1000 997 999 1002 1011 1012 1016 1023 1024 1025 1026 1027 1033 1036 1037 1040 1041 1042 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 (a) Navarea VIII warnings less than 42 days promulgated via safety net. (b) Text of Navarea VIII warning in force including those which no longer broadcast available in www.hydrobharat.gov.in. 2. Cancel this MSG 061000 UTC Jan 23.</p>
<p>1059. India West Coast – Porbandar. Charts IN 21 252 292 2040 INT 7021. DGNSS (21-37.33N 069-37.19E) transmission switched off.</p>
<p>1060. Cancel Navarea VIII MSG 387/21, 447/21, 690/21 and this MSG. INTM 192, 189, 190 21/22 refers.</p>
<p>1061. India West Coast - off Mumbai. Charts IN 21 22 292 293 7705 INT 705. SW BLY will carry out seismic survey in vicinity of 19-49.70N 068-51.63E, 19-29.95N 067-57.45E, 17-42.05N 069-07.52E, 18-12.23N 070-31.12E, 17-54.40N 070-43.20E, 16-43.37N 070-44.17E, 16-18.27N 069-32.41E, 17-14.29N 069-01.47E, 17-37.80N 068-15.66E, 19-13.30N 067-14.12E, 18-58.76N 066-34.85E, 19-22.34N 066-23.77E, 19-38.51N 067-04.52E, 20-15.73N 066-44.83E, 20-27.45N 067-14.74E, 20-18.73N 068-32.70E from 01 to 15 Jan 23. Wide berth requested. 2. Cancel this MSG 151830 UTC Jan 23.</p>
<p>1062. India West Coast - off Porbandar. Charts IN 21 291 292 INT 7021. Vessel Msv nighale karam reported adrift in approximate position 21-34.5N 067-33.8E at 311130 UTC Dec 22. Crew rescued. 2. Cancel this MSG 031130 UTC Jan 23.</p>

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D7362-811	AL SADAR - Al Sadar. SD 2 *	24 44-31 N 54 35-99 E *	Fl R 3s	Red beacon	TE; reported missing (T) 2022 *
D7363-457	ABU ZABI - Khawr al Maqfa. Sheikh Zayed Bridge. MQ 2 *	24 25-46 N 54 29-17 E *	Fl R 3s	..	5	Red beacon	.. *
D7363-458	- MQ 3 *	24 25-43 N 54 29-16 E *	Fl G 3s	..	5	Green beacon	.. *
D7363-4585	- MQ 4 *	24 25-44 N 54 29-07 E *	Fl R 3s	..	5	Red beacon	.. *
D7363-459	- MQ 1 *	24 25-47 N 54 29-07 E *	Fl G 3s	..	5	Green beacon	.. *

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2019

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

NIL

INP 31(2), 2019

(Last correction: Edition No. 01 dated 01 Jan 2022)

NIL

INP 31(5), 2017

(Last correction: Edition No. 24 dated 16 Dec 2021)

NIL

INP 31(6), 2018

(Last correction: Edition No. 08 dated 16 Sep 2022)

PAGES 202, UNITED ARAB EMIRATES, ABU DHABI (ABU ZABY).

Delete entry and replace by:

ABU DHABI (ABU ZABY) 24°32'N 54°23'E

Pilots

CONTACT DETAILS:

Port Control (Mina Zayid) including Free Port and Municipality Port

VHF Channel: Ch 16; 11 67

Telephone: +971(0)2 6952132

Fax: +971(0)2 6952936

E-mail: minazayed.vts@adports.ae

PV

VHF Channel: Ch 16; 67

HOURS: Mina Zayid: H24

Free Port and Musaffah Port: HJ

PROCEDURE:

- (1) **Pilotage is compulsory** within the port limits of Mina' Zayid for vessels navigating, moving or shifting berth for the following:
 - (a) All vessels of 100m LOA and above
 - (b) All vessels of 60m LOA and above carrying hazardous goods in bulk
 - (c) All passenger vessels of 24m LOA and above carrying more than 12 passengers
- (2) UAE naval vessels and Royal Yachts/vessels are exempt from compulsory pilotage.
- (3) **Pilot Ordering:** Vessels requiring a Pilot are required to give Mina' Zayid Port Control 12h advance notification to include ETA and maximum arrival draught. A further ETA should be sent to Mina' Zayid Port Control no later than 3h prior to arrival at the Pilot boarding place.
- (4) Outward-bound vessels or vessels moving within Mina' Zayid requiring a Pilot should give Mina' Zayid Port Control 12h notice confirmed by no less than 3h notice of their ETD.
- (5) **Pilot boards** in the following positions:
 - (a) Vessels bound for Zayed Port 24°39'·10N 54°14'·30E (in vicinity of Mina' Zayid Fairway Lt buoy (24°39'·22N 54°14'·27E)).
 - (b) Vessels bound for Free Port 24°33'·80N 54°20'·10E (1.1nm NW of Free Port Fairway Lt buoy (24°32'·82N 54°20'·71E)).

NOTES:

- (1) Pilot boarding arrangements will be confirmed by Mina' Zayid Port Control on VHF Ch16 and 67.
- (2) Abu Dhabi Terminals provides pilotage for the SAS AN NAKHL REFINERY (UMM AL-NAR).

Vessel Traffic Service**CONTACT DETAILS:**

VHF Channel: Ch 16; 11 67
 Telephone: +971(0)2 49255664
 Fax: +971(0)2 6952177
 E-mail: zayed.vts@adports.ae
 Website: www.adportsgroup.com

HOURS: H24

PROCEDURE:

- (1) All vessels transiting Mina' Zayid and Khawr al Bighal Channels are required to contact Port Control on VHF Ch 16 or 67 when passing the following Reporting Points:
- (2) **Non-piloted vessels inward-bound:**
 - (a) Before arrival
 - (b) When passing position 24°40'·80N 54°15'·00E
 - (c) When passing Lt buoys Nos Z23 and Z24 to enter Mina' Zayid Channel
 - (d) When leaving Mina' Zayid Channel and entering Khawr al Bighal
- (3) **Non-piloted vessels outward-bound:**
 - (a) Before entering Khawr al Bighal Channel from secondary channels
 - (b) When leaving Khawr al Bighal and entering Mina' Zayid Channel
 - (c) When passing position 24°40'·80N 54°15'·00E
- (4) The vessel's agent will upload the completed Pre-Arrival Notification Reports (PAN) forms and other required documents through Maqta Gateway (AD Ports Port Community System) at least 48h or 72h in case of dangerous goods cargo carrying vessels prior to ETA.

Port**CONTACT DETAILS:****Port Control (Mina' Zayid)**

VHF Channel: Ch 16; 11 67
 Telephone: +971(0)2 6952132
 Fax: +971(0)2 6952936
 E-mail: minazayed.vts@adports.ae

Port Control (Musaffah Port)

Telephone: +971(0)2 5552423
 Fax: +971(0)2 5109395
 E-mail: musaffah.vts@adports.ae

Hr Mr

Telephone: +971(0)2 6902667
 Fax: +971(0)2 6952177
 E-mail: ahmed.aldhaheri@adports.ae

Assistant Hr Mr

Telephone: +971(0)2 6952073
 Fax: +971(0)2 6952169

Head Office

Telephone: +971(0)800 102030
 Fax: +971(0)2 6952177
 E-mail: customercare@adports.ae
 Website: www.adports.ae

ESNAAD Base

Call: Esnaad Base
 VHF Channel: Ch 16; 15
 RT Frequency (kHz): 4762·5
 Telephone: +971(0)2 6029090
 Fax: +971(0)2 6029091

Ghanadah Terminal

VHF Channel: Ch 06

Total Base

VHF Channel: Ch 16; 21

UDECO Terminal, Sa'adiyat I

VHF Channel: Ch 16; 06

ZADCO Terminal

VHF Channel: Ch 08

HOURS: H24 (Hr Mr 0730-1530 LT)**PROCEDURE:**

- (1) **Notice of ETA:** Vessels should send ETA at Fairway Lt buoy via agents or directly to Marine Department and Berth Booking by e-mail or fax 72h, 48h and 24h in advance and confirm by VHF 6h prior to arrival.
- (2) The initial ETA message shall include the following information:
 - (a) Vessel's IMO No
 - (b) Vessel's ISSC and date of issue
 - (c) Name of vessel's Ship Security Officer (SSO)
 - (d) Name and contact number of Company Security Officer (CSO)
 - (e) Last 10 ports of call (state whether ISPS compliant and security level)
- (3) Vessels should establish contact with Port Control 2h before ETA on either VHF Ch16/11/67.
- (4) Vessels bound for the Sas Al-Nakhl / Umm Al-Nar (Umm an Nar) Petroleum Port should, on arrival at the Pilot boarding position, forward the following information through the agent:
 - (a) ETA at the turning basin at Sas Al-Nakhl / Umm Al-Nar (Umm an Nar)
 - (b) Arrival draught
 - (c) Estimated departure draught
 - (d) Quantity and type of cargo
 - (e) Master's and agent's names

NOTE:

Port Control can supply details on tide and weather conditions.

Tugs**CONTACT DETAILS:**

VHF Channel: Ch 16; 67

PAGES 213, UNITED ARAB EMIRATES, KHALIFA PORT (MINAKHALIFA).*Insert new section below Pilots and Port, PROCEDURE section***Vessel Traffic Service****CONTACT DETAILS:**

Call: Khalifa Port Control
 VHF Channel: Ch 16; 13
 Telephone: +971(0)2 4925666
 Fax: +971(0)2 4924746
 E-mail: khalifa.vts@adports.ae
 Website: www.adportsgroup.com

HOURS: H24**PROCEDURE:**

- (1) **Notice of ETA:** Vessels should advise ETA 72h, 48h, 24h and 3h prior to arrival.
- (2) The 3h notice of ETA should include the following:
 - (a) Vessel's name and call sign
 - (b) MMSI
 - (c) Position
 - (d) ETA at Pilot boarding position
 - (e) Any equipment deficiency
- (3) Vessels must also report as follows:
 - (a) Prior to entering port limits or departing a berth
 - (b) When underway having departed a berth
 - (c) Upon vessel being safely berthed alongside
 - (d) Vessels shifting berth providing 3h notice
- (4) The vessel's agent will upload the completed Pre-Arrival Notification Reports (PAN) forms and other required documents through Maqta Gateway (AD Ports Port Community System) at least 48h or 72h in case of dangerous goods cargo carrying vessels prior to ETA.

**PAGES 213, UNITED ARAB EMIRATES, KHALIFA PORT (MINAKHALIFA).
Pilots and Port, CONTACT DETAILS section, Delete entry and replace by**

CONTACT DETAILS:

Call: Khalifa Port Control
VHF Channel: Ch 16; 13
Telephone: +971(0)2 4925666
Fax: +971(0)2 4924746
E-mail: khalifa.vts@adports.ae
Website: www.adportsgroup.com

Hr Mr

Telephone: +971(0)2 4925558
+971(0)2 4925621
Fax: +971(0)2 6952177
E-mail: kp.hmoffice@adports.ae
Website: www.adports.ae

HOURS: Mon-Fri: 0730-1530 LT

**PAGES 219, UNITED ARAB EMIRATES, MUGHARAQ, Including SIR BANI YAS
Delete entry and replace by:**

MUGHARAQ, including Sir Bani Yas 24°11'N 52°34'E

Pilots

CONTACT DETAILS:

Call: Mugharaq Port Control
VHF Channel: Ch 16; 08

HOURS: H24

PROCEDURE:

- (1) **Pilotage is compulsory** for all vessels unless exempt.
- (2) **Pilot boards** in the following positions:
 - (a) Vessels approaching from the W entrance: 24°12'00N 52°31'50E
 - (b) Vessels approaching from the NE Channel: 24°14'34N 52°34'46E
 - (c) Baraka: 24°03'00N 52°12'00E
- (3) **Notice of ETA:** Vessels requiring the services of a Pilot should advise ETA to Mugharaq Port Control 48h prior to arrival, indicating maximum draught and destination within the pilotage area. Vessels carrying dangerous cargo should advise ETA 72h prior to arrival.
- (4) Vessels should confirm or amend such information no later than 3h prior to arrival at the Pilot boarding ground.
- (5) Vessels departing or moving within the port which require the services of a Pilot should advise Mugharaq Port Control 24h in advance and confirm no less than 4h prior to ETD.

NOTE:

Mugharaq Port is the hub station to provide pilotage, if required, for any of the ADPC Ports located within the western region.

Vessel Traffic Service

CONTACT DETAILS:

Telephone: +971(0)2 4925662
Fax: +971(0)2 6952177
E-mail: aldhafra.vts@adports.ae
Website: www.adportsgroup.com

PROCEDURE:

The vessel's agent will upload the completed Pre-Arrival Notification Reports (PAN) forms and other required documents through Maqta Gateway (AD Ports Port Community System) at least 48h or 72h in case of dangerous goods cargo carrying vessels prior to ETA.

Port

PORT CONTROL COVERAGE AREA:

Mugharaq Port Control covers the following areas:
(1) Mugharaq to Delma Island.

- (2) Mugharaq to Sir Bani Yas Island.
 (3) Jabal Az Zannah Jetty to Sir Bani Yas Island.

CONTACT DETAILS:**Port Control**

Call: Mugharaq Port Control
 VHF Channel: Ch 16; 08
 Telephone: +971(0)2 8771380
 +971(0)2 8771493
 Fax: +971(0)2 8771379
 E-mail: mugharaq.portcontrol@adpc.ae

Hr Mr

Telephone: +971(0)2 6952145
 Fax: +971(0)2 6952177
 E-mail: mohammed.albadi@adports.ae
 Website: www.adports.ae

HOURS: 0600-2000 (can be extended to H24 dependent on operations). Hr Mr 0730-1530 LT

NOTE:

Mugharaq Port is operated by Abu Dhabi Ports Company.

PAGES 220, UNITED ARAB EMIRATES, MUSAFFAH

Delete entry and replace by:

MUSAFFAH **24°18'N 54°26'E**

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

Call: Musaffah Port Control
 VHF Channel: Ch 16; 14
 Telephone: +971(0)2 5552423
 +971(0)2 5109394 (Mobile)
 Fax: +971(0)2 510939
 E-mail: musaffah.vts@adports.ae

HOURS: H24

PROCEDURE:

- (1) **Pilotage is compulsory** within the port limits of Musaffah for vessels navigating, moving or shifting berth for the following:
 - (a) All vessels of 80m LOA and above
 - (b) All vessels of 40m LOA and above carrying hazardous goods in bulk
 - (c) All passenger vessels of 24m LOA and above carrying more than 12 passengers
- (2) Warships and vessels designated for public service or owned, used or managed by the UAE Government, or any of its public bodies or organizations, are exempt from compulsory pilotage.
- (3) **Pilot Ordering:** Vessels requiring a Pilot are required to give Musaffah Port Control 12h advance notification to include ETA, maximum arrival draught and destination. A further ETA should be sent to Musaffah Port Control no later than 3h prior to arrival at the Pilot boarding place.
- (4) Outward-bound vessels or vessels moving within the Port of Musaffah requiring a Pilot should give Musaffah Port Control 12h notice confirmed by no less than 3h notice of their ETD.
- (5) **Pilot boards** in the following positions:
 - (a) New Musaffah Channel: 24°34'30N 54°14'00E
 - (b) Vessels with a draught of less than 5m: 24°26'80N 54°14'00E

NOTE:

Pilot boarding arrangements will be confirmed by Musaffah Port Control.

Vessel Traffic Service**CONTACT DETAILS:**

Call: Musaffah Port Control

8.6

VHF Channel: Ch 14
Telephone: +971(0)2 4925665
+971(0)2 5109392 (Mobile)
Fax: +971(0)2 6952177
E-mail: musaffah.vts@adports.ae
Website: www.adportsgroup.com

HOURS: H24

PROCEDURE:

- (1) **Notice of ETA:** Vessels carrying dangerous goods should advise ETA 72h and 3h prior to arrival. All other vessels should advise ETA 48h and 3h prior to arrival.
- (2) The 3h notice of ETA should include the ETA at the Pilot boarding station
- (3) The vessel's agent will upload the completed Pre-Arrival Notification Reports (PAN) forms and other required documents through Maqta Gateway (AD Ports Port Community System) at least 48h or 72h in case of dangerous goods cargo carrying vessels prior to ETA.

REPORTING - NEW MUSAFFAH CHANNEL:

- (1) All vessels transiting New Musaffah Channel are required to contact Port Control on VHF Ch 14 when passing the following Reporting Points:
- (2) **Vessels inward-bound:**
 - (a) Before arrival
 - (b) Before entering the channel
 - (c) When passing Lt buoys M11/M12
 - (d) When passing Lt buoys M19/M20
 - (e) When passing Lt buoys M29/M30
 - (f) When passing Lt buoys M41/M42
 - (g) When passing Lt buoys M49/M50
 - (h) When passing Lt buoys M63/M64
 - (i) When vessel berthed alongside
 - (j) When shifting berth, 30 mins prior to shifting berth
- (3) **Vessels outward-bound:**
 - (a) Before departing the berth
 - (b) When underway having departed a berth
 - (c) When passing Lt buoys M63/M64
 - (d) When passing Lt buoys M49/M50
 - (e) When passing Lt buoys M41/M42
 - (f) When passing Lt buoys M29/M30
 - (g) When passing Lt buoys M19/M20
 - (h) When passing Lt buoys M11/M12
 - (i) When clearing the channel

REPORTING - MUSAFFAH CHANNEL:

- (1) All vessels transiting Musaffah Channel (normally closed to commercial traffic) are required to contact Port Control on VHF Ch 14 when passing the following reporting points:
- (2) **Vessels inward-bound:**
 - (a) 1 n mile N of the Fairway Lt buoy (24°29' 13N 54°17' 96E)
 - (b) When passing Lt buoys 1/2
 - (c) When passing Lt buoys 21/22
 - (d) When vessel berthed alongside
- (3) **Vessels outward-bound:**
 - (a) Before departing the berth
 - (b) When underway having departed the berth
 - (c) When passing Lt buoys 25/26
 - (d) When clearing the channel
 - (e) 1 n mile N of the Fairway Lt buoy (24°29' 13N 54°17' 96E)

Port

CONTACT DETAILS:

Hr Mr

Telephone: +971(0)2 5109373
Fax: +971(0)2 6952177
E-mail: mahmood.alalili@adports.ae
mohamed.alakberi@adports.ae
Website: www.adports.ae

HOURS: 0730-1530 LT

SECTION – IX

REPORTING OF NAVIGATIONAL DANGERS

Appeal to all Mariners

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

National Hydrographic Office
107-A, Rajpur Road,
Dehradun - 248001
(Uttarakhand), India

e-mail : msis-inho@navy.gov.in, inho@navy.gov.in
Fax No. : +91-135- 2748373
Web : www.hydrobharat.gov.in

Instructions for filling up IH 102

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

Position Reporting

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

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

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

Depth Reporting

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

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

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

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

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

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

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

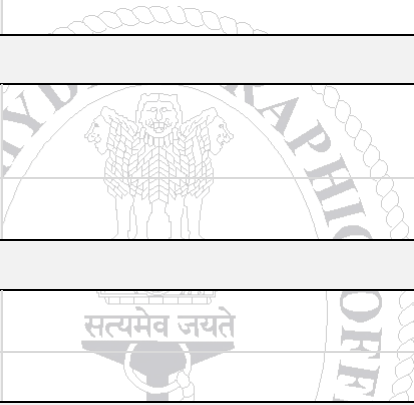

Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further,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

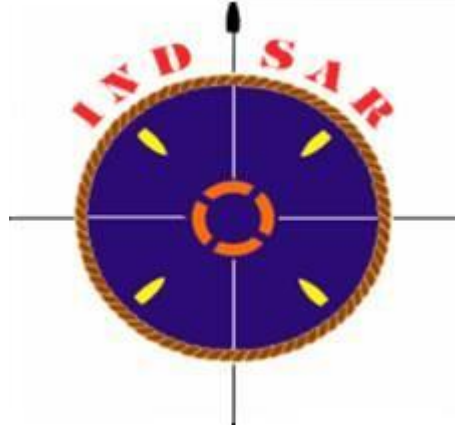


HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues					
Date		Ref. Number			
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date		Time (UTC/IST)			
Object of Changes 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.102A (Revised 2012)	
Date		Ref. No.	
Name of the Ship or Sender			
Address			
Tel/Fax/E-mail			
1. NAME OF PORT			
Location	Latitude		Longitude
2. GENERAL REMARKS			
Principal activities and trade			
Number of ships and tonnage handled per year			
Maximum size of draught of vessel handled			
Copy of Port handbook (if available)			
3. ANCHORAGES			
Type / Purpose			
Minimum depth at anchorage			
Shelter afforded			
Holding ground			
Recommended pilotage to the anchorage			
4. PILOTAGE			
Authority for request			
Embarkation position			
Regulations			
Documents to be provided			
Recommended pilotage to approach of Harbour and Berths			
Information on VTMS			
5. DIRECTIONS			
Entry and Berthing Information			
Tides (Height)			
Tidal Stream Information			
Wind Speed and Direction			
Navigational Aids (Beacons / Buoys / Lights / Etc.)			
6. POLLUTION CONTROL			
Local regulation in force (If Any)			
7. TUGS			
Number available / Tug type			
Maximum HP / Bollard pull			

7. TUGS (Continued)	
Requesting authority	
Availability timing / Communication	
Hiring charges	
8. BERTHING AND WHARVES	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
9. CARGO HANDLING	
Containers	
Lighters & Ro-Ro etc.	
10. CRANES	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
11. BRIDGES	
Vertical clearance	
12. REPAIRS	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
13. SERVICES	
Radio / FAX / Telephone / Internet etc.	
Medical	
Quarantine	
Consul	
Ship chandlery and Stevedores	
Compass adjustment	
Tank cleaning	
Hull painting	
Police / Ambulance / Firefighting (Fixed and Mobile facilities)	
Nav. Warning and Weather bulletin	
Garbage disposal / Waste oil disposal	
Helicopter landing facilities	

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



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: mrcc-west@indiancoastguard.nic.in

NATION WIDE SAR TELE: 1554 (LAND LINE)

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

AFTN: VABBYXYC