



# INDIAN NOTICES TO MARINERS



EDITION NO. 19 DATED 01 OCT 2020

(CONTAINS NOTICES 191 TO 198)

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

**FEEDBACK:** [msis-inho@navy.gov.in](mailto:msis-inho@navy.gov.in)



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



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## II

### MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

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

**Chief Hydrographer  
to the Government of India**

### **WARNING AGAINST USE OF COUNTERFEIT PRODUCTS**

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

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

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

### III

## **EXPLANATORY NOTES**

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

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

**Temporary and Preliminary Notices.** These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. 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 a 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 &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2023	31-07-2020	<b>KAVARATTI JETTY LIMIT</b> 10° 33'.43N; 72° 38'.70E. 10° 33'.90N; 72° 39'.20E.	7,500	4	Rs. 1950.00

2. The new edition 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 &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2023	31-07-2020	<b>KAVARATTI ISLAND LIMIT</b> 10° 29'.08N; 72° 34'.00E. 10° 37'.75N; 72° 41'.50E.	25,000	4	Rs. 1950.00
		<b>KILTAN ISLAND LIMIT</b> 11° 24'.83N; 72° 57'.17E. 11° 33'.50N; 73° 03'.00E.	25,000		

3. The Indian Chart 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>
2023	15-06-2014	<b>KILTAN ISLAND</b>	2023	31-07-2020
		<b>KAVARATTI ISLAND</b>		

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>
IN231BBN	31	<b>BAY OF BENGAL – NORTHERN PORTION (KRISHNAPATNAM TO BASSEIN RIVER)</b>	28-09-2020
IN62023J	2023	<b>KAVARATTI JETTY</b>	24-09-2020

5. The new edition 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>
IN52023K	2023	<b>KAVARATTI ISLAND</b>	24-09-2020

## VI

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52023K	2023	KAVARATTI ISLAND	23-07-2014

7. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
351	PARADIP TO PUSSUR RIVER	3,00,000	New Edition
352	GOPALPUR TO PARADIP	3,00,000	New Edition

8. The new edition of Indian Publication available for mariners at NHO website ([www.hydrobharat.gov.in](http://www.hydrobharat.gov.in)) is as follows:-

<i>Title of Publication</i>	<i>Edition</i>
INDIAN NOTICES TO MARINERS – SPECIAL EDITION (Digital Ver.)	2020

### Availability of ENCs

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

<p><b>United Kingdom Hydrographic Office</b> Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Web site: <a href="http://www.hydro.gov.uk">www.hydro.gov.uk</a></p>	<p><b>Navico Norway AS</b> Elganeveien 1, 4370 Egersund, Norway Ph: +47 51 464700, +91 2262233326 Mob: +91 9820238542 Fax: +47 51 464701, +91 2267939504 Email: <a href="mailto:enc@c-map.com">enc@c-map.com</a>, <a href="mailto:info@c-map.co.no">info@c-map.co.no</a> Website: <a href="http://www.c-map.com">www.c-map.com</a></p>
<p><b>M/s Primar</b> Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: <a href="mailto:data@ecc.no">data@ecc.no</a> Website: - <a href="http://www.primar.org">www.primar.org</a></p>	<p><b>M/s IIC Technologies Limited</b> B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad - 500 034 Telangana Tel:+91 4039144444 Fax: +91 4039144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a></p>

**VII**  
**TEMPORARY AND PRELIMINARY NOTICES**

*In Force as on 01 Oct 2020*  
*(Former List dated 01 Jul 2020 is cancelled)*

<b>Cancelled Notices</b>	
<b>Area</b>	<b>Notice No.</b>
1	<i>Nil</i>
2	<i>085/18, 179/19, 086/20, 106/20, 162/20, 164/20</i>
3	<i>167/19, 038/20, 151/20, 152/20, 165/20, 171/20, 178/20</i>
4	<i>Nil</i>

**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.

**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.
046/16	202 – 203 (INT 7319) – 2031 (INT 7326) – 2068.	INDIA – WEST COAST – Gulf of Kachchh Deep Water Route – Buoy.
153/16	2061 – 2099.	INDIAN OCEAN – MALDIVES – Male’ Atoll – Sea Bridge.
045/17	2036 – 2103.	INDIA – WEST COAST – Dighi Port – Buoys.
064/17	253 (INT 7328) – 254 (INT 7331) – 207 – 2081 – 2100 (INT 7344).	INDIA – WEST COAST – Approaches to Port Pipavav – Dredging Operation.
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.
068/19	2028.	INDIA – WEST COAST – Approaches to Ratnagiri – Buoys.
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.
077/19	214 – 215 – 2022 (INT 7345).	INDIA– WEST COAST – Approaches to Murmugao – Buoys.
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.

## VIII

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

164/19	292 (INT 7021) – 293 (INT 7022) – 255 (INT 7334) – 211 – 2016 (INT 7336) – 2076 (INT 7338) – 2123.	INDIA – WEST COAST – Ulwa Channel – Unlit Vessel.
165/19	2016 (INT 7336) – 2076 (INT 7338) – 2123.	INDIA – WEST COAST – Ulwa Channel – Unlit Vessel.
166/19	2359 (INT 7350) – 2002 (INT 7351).	INDIA – WEST COAST – Ports of New Mangalore and Mangalore – Buoy.
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.
257/19	21 – 22 (INT 752) – 32 (INT 754) – 291 – 292 (INT 7021) – 293 (INT 7022) – 251 (INT 7318) – 258 (INT 7348) – 259 (INT 7356) – 253 (INT 7328) – 221 – 214 – 261 – 263 (INT 7383) – 271 – 272.	INDIA – WEST COAST – Arabian Sea – ADCP Moorings.
037/20	260 (INT 7362) – 261 – 222 – 223 – 2012.	INDIA – WEST COAST – Vizhinjam Anchorage, Alleppey Anchorage – Buoys.
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.
144/20	292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 210 – 211.	INDIA – WEST COAST – Arabian Sea – Oil Rigs.
145/20	21 – 22 (INT 752) – 31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 41 (INT 757) – 205 – 206 – 211 – 212 – 213 – 215 – 216 – 219 – 221 – 222 – 223 – 224 – 252 (INT 7325) – 253 (INT 7328) – 255 (INT 7334) – 256 (INT 7340) – 257 (INT 7343) – 258 (INT 7348) – 259 (INT 7356) – 260 (INT 7362) – 261 – 262 (INT 7365) – 263 (INT 7383) – 268 (INT 7353) – 272 – 273 – 292 (INT 7021) – 293 (INT 7022) – 305 – 308 (INT 7409) – 351 (INT 7419) – 352 (INT 7416) – 353 (INT 7413) – 354 (INT 7408) – 356 (INT 7400) – 357 (INT 7397) – 391 – 404 (INT 7439) – 405 (INT 7440) – 473 (INT 7031) – 2008 – 2023 – 2028 – 2032 – 2037 – 2048 – 2053 – 2121 – 2353 – 3002 (INT 7410) – 3034 – 3035 – 3043 – 3044 – 4006 (INT 7449) – 4016 – 7702 (INT 702) – 7703 (INT 703).	INDIAN OCEAN – Northern Part – Wave Rider Buoys.
153/20	21 – 22 (INT 752) – 268 (INT 7353) – 273 – 292 (INT 7021) – 2047 – 7703 (INT 703) – 7705 (INT 705).	INDIA – WEST COAST – Arabian Sea – Data Buoys and Tsunami Buoy.
170/20	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 – Geotechnical investigation.
193/20	21 – 22 (INT 752) – 207 – 210 – 211 – 212 – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 292 (INT 7021) – 293 (INT 7022).	INDIA – WEST COAST – Umargram to Satpati – Survey.



## IX

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

194/20	21 – 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 293 (INT 7022) – 2016 (INT 7336) – 2076 (INT 7338).	INDIA – WEST COAST – Inner Approaches to Mumbai – Dredging.
196/20	292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 210 – 211.	INDIA – WEST COAST – Arabian Sea – Oil Rigs.
197/20	21 – 292 (INT 7021) – 254 (INT 7331) – 208.	INDIA – WEST COAST – Gulf of Khambhat – Drilling Operation.

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

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
212/12	3034.	INDIA – EAST COAST – Krishnapatnam Port – Port Development. Dredging.
121/16	31 – 32 (INT 754) – 391 – 356 (INT 7400).	INDIA – EAST COAST – Chennai (Madras) to Ramayapatnam – Open Sea Cage.
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.
185/18	32 (INT 754) – 33 (INT 755) – 391 – 356 (INT 7400) – 313 – 3001 (INT 7402) – 3039.	INDIA – EAST COAST – Kattupalli Port – Construction Work.
106/19	31 (INT 756).	BAY OF BENGAL – Northern Portion (Krishnapatnam to Bassein River) – Buoys.
188/19	4013.	ANDAMAN SEA – INDIA – ANDAMAN ISLANDS – Shaheed Dweep Pier (Neill Island Pier) – Construction Work.
189/19	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Survey.
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.
061/20	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Submarine Pipeline.
102/20	31 (INT 756) – 351 (INT 7419) – 352 (INT 7416) – 3041 – 3010 (INT 7418).	INDIA – EAST COAST – Paradip Port – Buoy.
105/20	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Construction.
113/20	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Drilling Operation.
117/20	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) – 4115 – 3001 (INT 7402) – 3004 (INT 7403).	INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys and Tsunami Buoys.
124/20	31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408).	INDIA – EAST COAST – Sacramento Shoal to Kalingapatnam – Unserviceable Ammunition.
131/20	31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 308 – 352 – 354 (INT 7408) – 355 (INT 7405) – 356 (INT 7400) – 357 (INT 7397) – 391.	INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.

## X

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

(Continued).

136/20	31 (INT 756) – 351 (INT 7419) – 3017 – 3038.	INDIA – EAST COAST – Approaches to Dhamra Port – Dredging.
163/20	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Drilling Operation.
190/20	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Survey.
195/20	391 – 354 (INT 7408) – 355 (INT 7405).	INDIA – EAST COAST – Bay of Bengal – Oil Rigs.
198/20	41 (INT 757) – 31 (INT 756).	BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Survey.

### 4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA.

<u>Notice</u>	<u>Charts Affected</u>	<u>Description</u>
146/20	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 191 to 198 contained in this edition is as follows:-

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	191, 193(T), 194(T), 197(T)
22 (INT 752)	3	193(T), 194(T)
31 (INT 756)	5	198(T)
41 (INT 757)	6	198(T)
204	2	191
207	2	193(T)
208	2	197(T)
210	3	193(T), 196(T)
211	3	193(T), 194(T), 196(T)
212	3	193(T)
252 (INT 7325)	2	191
253 (INT 7328)	2	193(T), 196(T)
254 (INT 7331)	3	193(T), 196(T), 197(T)
255 (INT 7334)	3	193(T), 194(T), 196(T)
256 (INT 7340)	3	193(T), 196(T)
271	2	191
291	2	191
292 (INT 7021)	2	191, 193(T), 194(T), 196(T) , 197(T)
293 (INT 7022)	3	193(T), 194(T), 196(T)
354 (INT 7408)	5	195(T)
355 (INT 7405)	5	195(T)
391	5	195(T)
2001	3	192
2015 (INT 7337)	3	194(T)
2016 (INT 7336)	3	194(T)
2039	2	197(T)
2076 (INT 7338)	3	194(T)

**SECTION – II****PERMANENT NOTICES**

**\*191 (19/20) INDIA – WEST COAST – Dwarka to Navibandar – Wreck.**

Source: Indian Coast Guard.

**Chart 21** [previous update 186/20]

Insert  PA

22° 00'·42N., 68° 59'·24E.

**Chart 292 (7021)** [previous update 186/20]

Insert  PA

22° 00'·42N., 68° 59'·24E.

**Chart 291** [previous update 206/19]

Insert  PA

22° 00'·42N., 68° 59'·24E.

**Chart 271** [previous update 147/19]

Insert  PA

22° 00'·42N., 68° 59'·24E.

**Chart 252 (INT 7325)** [previous update 128/19]

Insert  PA

22° 00'·42N., 68° 59'·24E.

**Chart 204** [previous update NE 15 Jul 19]

Insert  PA

22° 00'·42N., 68° 59'·24E.

<b>*192 (19/20) Miscellaneous updates to charts.</b>		
Source: NHO, Dehradun.		
<b>Refer INTM 181(17/20)</b>		
For	<b>Chart 2001</b> [previous update 181/20]	read as;
Insert	pecked line, -----, joining:	18° 55'·524N., 72° 52'·397E.
		18° 55'·315N., 72° 52'·533E.
Substitute	14,9m for 14,7m	18° 54'·97N., 72° 51'·97E.
Delete	pecked line, -----, joining:	18° 55'·610N., 72° 53'·000E.
		18° 55'·800N., 72° 52'·880E.

**Section – III****TEMPORARY AND PRELIMINARY NOTICES****\*193 (T) (19/20) INDIA – WEST COAST – Umargram to Satpati – Survey.**

Source: ONGC, Mumbai.

1. Survey operations will be carried out by **ACOMS-11** with side scan sonar of 150 meter tow length in the below mentioned areas till **26 Dec 2020:-**

Area I		Area II	
Sl. No.	Position	Sl. No.	Position
(a)	19° 42'·47N., 70° 45'·39E.	(a)	18° 49'·20N., 72° 09'·49E.
(b)	19° 41'·28N., 72° 09'·73E.	(b)	18° 48'·81N., 72° 28'·67E.
(c)	18° 54'·89N., 72° 20'·56E.	(c)	17° 58'·73N., 72° 27'·66E.
(d)	18° 55'·08N., 71° 46'·56E.	(d)	17° 59'·05N., 72° 08'·58E.
(e)	18° 55'·74N., 71° 01'·96E.		
(f)	19° 11'·00N., 70° 50'·88E.		
Area III		Area IV	
(a)	18° 39'·62N., 70° 57'·67E.	(a)	20° 37'·99N., 71° 56'·70E.
(b)	18° 39'·55N., 71° 04'·70E.	(b)	20° 37'·80N., 72° 07'·22E.
(c)	18° 33'·30N., 71° 04'·62E.	(c)	20° 03'·33N., 72° 06'·53E.
(d)	18° 33'·51N., 70° 57'·51E.	(d)	20° 03'·75N., 71° 40'·63E.

2. Mariners are advised to navigate with caution in the area and contact local port authorities for more information.

**Charts affected – 21 – 22 (INT 752) – 207 – 210 – 211 – 212 – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 292 (INT 7021) – 293 (INT 7022).**

**\*194 (T) (19/20) INDIA – WEST COAST – Inner Approaches to Mumbai – Dredging.**

Source: JNPT Local Notice No. 08/2020.

1. Maintenance dredging of the entire Mumbai Port and JN Port navigation channel is scheduled from end Sep to **Apr 2021** from position 18° 49'·81N 72° 40'·85E to position 18° 58'·64N 72° 57'·08E. The dredgers will be manning VHF channel 12,13,16.

2. Mariners are advised to navigate with caution and contact local port authorities for more information.

**Charts affected – 21 – 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 293 (INT 7022) – 2015 (INT 7337) – 2016 (INT 7336) – 2076 (INT 7338).**

**Former INTM 106 (T)/20 is cancelled.**

**\*195 (T) (19/20) INDIA – EAST COAST – Bay of Bengal – Oil Rigs.**

Source: NCD, Mumbai.

1. List of Oil Rigs is as follows:-

<b>Rig Name</b>	<b>Position</b>
Aban II	16° 27'·76N., 82° 10'·63E.
Deep Driller 8	16° 40'·13N., 82° 25'·73E.
DDKG 1	16° 29'·80N., 82° 45'·80E.
SSV Louisiana	16° 14'·15N., 82° 22'·00E.
Olinda Star	16° 23'·03N., 82° 23'·76E.
Platinum Explorer	15° 05'·92N., 82° 06'·44E.
West Polaris	16° 32'·22N., 82° 33'·70E.

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.

4. **Charts Affected – 391 – 354 (INT 7408) – 355 (INT 7405).**

**Former INTM 178(T)/20 is cancelled.**

**\*196 (T) (19/20) INDIA – WEST COAST – Arabian Sea – Oil Rigs.**

Source: NCD, Mumbai.

1. List of Oil Rigs is as follows:-

<b>Rig Name</b>	<b>Position</b>
Aban III	18° 18'.64N., 72° 21'.82E.
Aban IV	19° 37'.35N., 71° 21'.66E.
CE Thornton	18° 42'.53N., 72° 20'.47E.
Discovery 1	18° 36'.21N., 72° 13'.99E.
DS Fortune	19° 18'.85N., 71° 24'.94E.
DS Fossil	18° 36'.36N., 72° 15'.79E.
FG Mclintok	18° 45'.65N., 72° 19'.21E.
Great Drill Chaaya	18° 38'.79N., 72° 14'.94E.
Great Drill Chaaruu	19° 36'.89N., 71° 42'.73E.
Great Drill Chetna	22° 33'.31N., 68° 26'.35E.
Great Drill Chitra	19° 27'.35N., 71° 17'.94E.
Harvey H Ward	19° 35'.30N., 71° 24'.38E.
Jindal Explorer	19° 25'.22N., 71° 11'.57E.
Jindal Star	19° 07'.79N., 71° 59'.92E.
JT Angel	19° 35'.35N., 71° 23'.25E.
Ron Tappmeyer	19° 00'.63N., 72° 11'.95E.
Sagar Bhushan	19° 25'.20N., 71° 41'.10E.
Sagar Gaurav	19° 16'.72N., 71° 21'.38E.
Sagar Jyoti	19° 40'.14N., 72° 00'.33E.
Sagar Kiran	19° 14'.90N., 72° 04'.05E.
Sagar Ratna	20° 10'.05N., 71° 55'.07E.
Sagar Shakti	20° 22'.27N., 72° 04'.30E.
Sagar Uday	19° 24'.64N., 71° 14'.37E.
Sagar Vijay	19° 02'.24N., 71° 50'.12E.
Sundowner 5	19° 19'.86N., 71° 20'.00E.
Sundowner 7	18° 41'.52N., 72° 20'.87E.
Trident 2	17° 56'.08N., 72° 25'.30E.
Trident 12	18° 43'.45N., 72° 20'.32E.
Valiant Driller	18° 31'.94N., 72° 15'.23E.
Victory Driller	19° 20'.80N., 71° 22'.05E.
Vivekananda 1	19° 11'.99N., 72° 11'.00E.
Vivekananda 2	18° 15'.54N., 72° 16'.34E.
Virtue 1	18° 19'.20N., 72° 18'.09E.

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.

4. **Charts Affected – 292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 210 – 211.****Former INTM 164(T)/20 is cancelled.**

**\*197 (T) (19/20) INDIA – WEST COAST – Gulf of Khambhat – Geotechnical Investigation and Drilling Operation.**

Source: ODAG, Mumbai.

1. Geotechnical Investigation is in progress by “**COASTAL CONSTRUCTOR AND COMMANDER 1**” till **15 Feb 2021** in the area bounded by following coordinates:-

Sl. No.	Position
(a)	21° 49′·00N., 72° 10′·00E.
(b)	21° 49′·00N., 72° 35′·00E.
(c)	21° 47′·00N., 72° 35′·00E.
(d)	21° 47′·00N., 72° 10′·00E.

2. The barge will be unable to move at the time of drilling operations and will be restricted in ability to manoeuvre. All vessels operating in vicinity are to maintain a clearance of 01 NM.
3. Mariners are advised to navigate with caution.

**Charts affected – 21 – 292 (INT 7021) – 254 (INT 7331) – 208 – 2039.**

**\*198 (T) (19/20) BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Survey.**

Source: Myanmar Notice 31/20.

1. Metocean Survey will be carried out by **MV. Pacific Patriot (Call Sign: 9VCT8)** till **31 Dec 20** in the following coordinates:-

Point	Position
Deep Site 1 (Current mooring)	16° 56′·66N., 93° 42′·51E.
Deep Site 1 (DWR mooring)	16° 55′·63N., 93° 42′·10E.
Mid-Shallow Site2 (Wave Scan mooring)	16° 57′·25N., 94° 05′·34E.
Mid-Shallow Site2 (Current meter)	16° 57′·52N., 94° 05′·34E.
Shallow Site 3 (Current meter)	15° 40′·53N., 93° 53′·85E.
Rise Site 4 (Current meter)	17° 01′·49N., 93° 56′·63E.
Slope Site 5 (Current meter)	17° 01′·63N., 94° 00′·57E.

2. During the operation period, anchoring, fishing and trawling are prohibited within 04 km and vessels are advised to keep proper clearance from the above mentioned positions.

**Charts affected – 41 (INT 757) – 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

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

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

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

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

#### 3. DISPLAY ANOMALIES IN ECDIS

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website [www.iho.int](http://www.iho.int), to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode.

Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See [www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html](http://www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html) for further information.

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



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

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

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

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.

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).

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><b>OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a></p>	<p><b>M/s VDO Marine Instruments</b> Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow &amp; Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: <a href="mailto:atmain@md4.vsnl.net.in">atmain@md4.vsnl.net.in</a></p>
<p><b>M/s Global Charts &amp; Nav. Aids Pvt. Limited</b> 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: <a href="mailto:sales@globalcharts.in">sales@globalcharts.in</a> Web: <a href="http://www.globalcharts.com.sg">www.globalcharts.com.sg</a></p>	<p><b>SMS Marine Private Ltd</b> 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a> , <a href="mailto:raj.chakravorty@smsmap.com">raj.chakravorty@smsmap.com</a> Web: <a href="http://www.smsmaps.co.in">www.smsmaps.co.in</a></p>
<p><b>M/s C &amp; C Marine Combine</b> 25 Bank Street, 1<sup>st</sup> Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: <a href="mailto:vijay@ccmarine.in">vijay@ccmarine.in</a>, <a href="mailto:sales@ccmarine.in">sales@ccmarine.in</a></p>	<p><b>M/s Global Marine Infratech Pvt. Ltd.</b> 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: <a href="mailto:tusarkantha@gmiindia.in">tusarkantha@gmiindia.in</a> Web: <a href="http://www.gmiindia.in">www.gmiindia.in</a></p>
<p><b>M/s JM Maritime Services</b> 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 : <a href="mailto:jmms@mtnl.net.in">jmms@mtnl.net.in</a> , <a href="mailto:charts@mtnl.net.in">charts@mtnl.net.in</a></p>	<p><b>L. R. Marine Services</b> 301, 3rd Floor, Biry House, 265, PerinNariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: <a href="mailto:lrcharts@gmail.com">lrcharts@gmail.com</a>, <a href="mailto:lrmarine@live.com">lrmarine@live.com</a></p>
<p><b>M/s Lift o Marine</b> Allen’s Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: <a href="mailto:sankar@liftomarine.org">sankar@liftomarine.org</a>, <a href="mailto:liftomarine77@gmail.com">liftomarine77@gmail.com</a> Web: <a href="http://www.liftomarine.org">www.liftomarine.org</a></p>	<p><b>HC Technologies Limited</b> 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a></p>
<p><b>M/s Zenith Surveys (I) Pvt. Ltd.</b> Lakhani’sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: <a href="mailto:zenithsurveys703@gmail.com">zenithsurveys703@gmail.com</a> <a href="mailto:nyvmane@yahoo.com">nyvmane@yahoo.com</a> Web: <a href="http://www.zenithsurvey.com">www.zenithsurvey.com</a></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 – 2016.

2. NAVAREA VIII Warnings in force as on 30 Sep 20:-

<b><u>2019 SERIES</u></b> - 199 289 369 392 479 591 621 812 895 928
<b><u>2020 SERIES</u></b> - 116 267 329 331 333 354 368 384 385 434 442 444 461 470 479 480 498 501 508 512 513 515 516 521 522 524 525 526 527 528 529 530 531

3. NAVAREA VIII Warnings issued during the period from 16 Sep to 30 Sep 20 (both dates inclusive) are as tabulated below:-

<b>496. Cancel NAVAREA VIII MSG 422/20, 482/20, 493/20 and this MSG .INTM 177/20, 188/20 and 190(T)/20 refers.</b>
<b>497. Indian and Southern Ocean.</b> Charts IN 7073 INT 73. Space Debris predicted 250 NM on either side of Centreline joining 27-27S 062-19E, 45-10S 087-41E, 52-00S 110-26E, 52-57S 137-40E, 50-17S 157-20E on 17 Sep 20 from 2013 to 2114 UTC and 18 Sep 20 from 1951 to 2052 UTC. 2. Cancel this MSG 182200 UTC Sep 20.
<b>498. India East Coast.</b> Charts IN 355 391 INT 706.Rig Move. Olinda Star 16-23.03N 082-23.76E. Refer to 178(T) of INTM 16/20.Wide berth requested.
<b>499. India West Coast - off Mormugao.</b> Charts IN 22 213 214 215 256 257 293 INT 706. Firing scheduled on 21 Sep 20 from 0030 to 1330 UTC in danger area bounded by 14-15N 072-52E, 14-20N 071-52E, 15-30N 071-48E, 16-09N 072-44.5E, 15-17N 073-21E. Wide berth from area advised. 2. Cancel this MSG 211430 UTC Sep 20.
<b>500. India West Coast - off Mormugao.</b> Charts IN 22 213 214 215 256 257 293 INT 706. Sub Surface firing scheduled on 21, 22 Sep 20 from 0900 to 0930 UTC in danger area bounded by 14-15N 072-52E, 14-20N 071-52E, 15-30N 071-48E, 16-09N 072-45E, 15-17N 073-21E. Wide berth from area advised. 2. Cancel this MSG 221030 UTC Sep 20.
<b>501. India West Coast - off Mumbai.</b> Charts IN 21 22 210 211 253 255 292 INT 7021.SV ACOMS11 progressing survey in areas bounded by (A) 19-42.47N 070-45.39E, 19-41.28N 072-09.73E, 18-54.89N 072-20.56E, 18-55.08N 071-46.56E, 18-55.74N 071-01.96E, 19-11N 070-50.88E (B) 18-49.2N 072-09.49E, 18-48.81N 072-28.67E, 17-58.73N 072-27.66E, 17-59.05N 072-08.58E (C) 18-39.62N 070-57.67E, 18-39.55N 071-04.7E, 18-33.3N 071-04.62E, 18-33.51N 070-57.51E (D) 20-37.99N 071-56.7E, 20-37.8N 072-07.22E, 20-03.33N 072-06.53E, 20-03.75N 071-40.63E.Vessel towing sonar 150 meters astern. Wide berth requested. 2. Cancel this MSG 261830 UTC Dec 20.
<b>502. India East Coast - off Chennai.</b> Charts IN 32 313 356 357 INT 754.Firing scheduled on 23, 24, 25 Sep 20 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 251230 UTC Sep 20.
<b>503. India East Coast - off Paradip.</b> Charts IN 31 351 352 353 3017 3038 3041 INT 756. Experimental Flight trial scheduled on 23, 24 Sep 20 from 1330 to 1630 UTC in danger area bounded by 21-22.25N 086-55.73E, 21-08.93N 086-52.65E, 20-47.63N 087-13.43E, 18-54.41N 088-08.58E, 19-26.33N 088-57.58E, 20-55.16N 087-24.95E, 21-20.83N 087-10.8E, 21-22.68N 086-56.4E, 21-22.25N 086-55.73E. Wide berth from area advised. 2. Cancel this MSG 241730 UTC Sep 20.
<b>504. NAVAREA VIII Warnings in force as on 18 Sep 2020:-</b> <b><u>2019 Series</u></b> - 199 289 369 392 479 591 621 812 895 928 <b><u>2020 Series</u></b> - 116 267 329 331 333 354 368 384 385 434 442 444 456 461 470 476 479 480 491 498 499 500 501 502 503 (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 251000 UTC Sep 20.
<b>505. India West Coast - off Kochi.</b> Charts IN 22 32 220 259 INT 7356. Firing scheduled on 21, 25 Sep 20 from 0630 to 1030 UTC and 22, 26 Sep 20 from 0330 to 1030 UTC in danger area bounded by 10-20N 076-00E, 10-45N 075-50E, 10-50N 075-00E, 10-20N 075-00E. Wide berth from area advised. 2. Cancel this MSG 261130 UTC Sep 20.

<p><b>506. India East Coast - off Kakinada.</b> Charts IN 31 32 391 INT 756. Firing scheduled on 24, 25 Sep 20 from 0030 to 1730 UTC in danger area bounded by 15-30N 083-24E, 16-14N 084-00E, 15-34N 084-46E, 15-08N 084-24E. Wide berth from area advised.</p> <p>2. Cancel this MSG 251830 UTC Sep 20.</p>
<p><b>507. Andaman Sea - off Barren.</b> Charts IN 33 41 473 INT 7031. Firing by CG aircraft scheduled on 24, 25 Sep 20 from 0430 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 251030 UTC Sep 20.</p>
<p><b>508. India East Coast - off Paradip.</b> Charts IN 31 351 352 353 3017 3038 3041 INT 756. Experimental flight trial scheduled on (A) 24 Sep 20 from 0830 to 1030 UTC (B) 25, 26, 28, 29 Sep 20 from 0430 to 0630 UTC and 0830 to 1030 UTC (C) 01 Oct 20 from 0430 to 0630 UTC.</p> <p>2. Danger area bounded by 20-48.03N 086-59.48E, 20-09.45N 087-19.48E, 20-13.95N 087-27.75E, 20-49.55N 087-02.26E. Wide berth from area advised.</p> <p>3. Cancel this MSG 010730 UTC Oct 20.</p>
<p><b>509. India West Coast - off Daman.</b> Charts IN 21 209 254 292 INT 7331. Aerial firing scheduled on 25 Sep 20 from 0230 to 1130 UTC in danger area bounded within 20-26N to 20-40N and 072-27E to 072-40E. Wide berth from area advised.</p> <p>2. Cancel this MSG 251230 UTC Sep 20.</p>
<p><b>510. Bay of Bengal.</b> Charts IN 32 33 INT 755. Abandoned SLFV reported adrift 09-17N 083-24E on 21 Sep 20.</p> <p>2. Cancel this MSG 241000 UTC Sep 20.</p>
<p><b>511. India West Coast - off Ettikkulam.</b> Charts IN 22 218 INT 752. Unmanned FV divine voice reported anchored 11-53N 075-04E.</p>
<p><b>512. India West Coast - off Mormugao.</b> Charts IN 22 213 214 215 256 257 293 INT 706. Firing scheduled on 27, 30 Sep 20 from 0030 to 1330 UTC and 02 Oct 20 from 0930 to 1630 UTC in danger area bounded by 14-15N 072-52E, 14-20N 071-52E, 15-30N 071-48E, 16-09N 072-44.5E, 15-17N 073-21E. Wide berth from area advised.</p> <p>2. Cancel this MSG 021730 UTC Oct 20.</p>
<p><b>513. India West Coast.</b> Charts IN 21 210 254 292 INT 7331 .Rig Move. Sagar Ratna 20-10.05N 071-55.07E. Refer to 164(T) of INTM 14/20. Wide berth requested.</p>
<p><b>514. India East Coast - Nagappattinam.</b> Charts IN 357 3007 INT 7397. DGPS (10-46N 079-51E) off from 0030 to 1230 UTC on 24 Sep 20.</p> <p>2. Cancel this MSG 241330 UTC Sep 20.</p>
<p><b>515. India West Coast - Kochi.</b> Charts IN 2004 2045 INT 7359 .Kochi Channel Buoy 3, 8, 13, 15 reported missing and forward transit LT (09-58.034N, 076-16.685E) Unlit.</p>
<p><b>516. India West Coast - off Bhavnagar Port.</b> Charts IN 21 208 254 292 2039 INT 7331. MV Coastal Constructor progressing geotechnical investigation in area bounded within 21-47N to 21-49N and 072-10E to 072-35E. Wide berth of 01 NM requested.</p> <p>2. Cancel this MSG 151830 UTC Feb 21.</p>
<p><b>517. Cancel NAVAREA VIII MSG 511/20 and this MSG.</b></p>
<p><b>518. India East Coast - Chennai.</b> Charts IN 32 313 356 357 391 3001 3004 3028 INT 7402. Firing scheduled on 29 Sep 20 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.</p> <p>2. Cancel this MSG 291030 UTC Sep 20.</p>
<p><b>519. India East Coast - off Paradip.</b> Charts IN 31 351 352 353 3017 3038 3041 INT 756. Experimental flight trial scheduled on (A) 30 Sep 20 from 0430 to 0630 UTC and 0830 to 1030 UTC (B) 01 Oct 20 from 0830 to 1030 UTC.</p> <p>2. Danger area bounded by 21-22.25N 086-55.71E, 21-00.43N 086-57.6E, 20-43.16N 087-03.13E, 18-14.51N 089-13.46E, 18-43.61N 089-42.78E, 21-10N 087-35.46E, 21-17.18N 087-18.93E, 21-22.73N 086-56.33E. Wide berth from area advised.</p> <p>3. Cancel this MSG 011130 UTC Oct 20.</p>
<p><b>520. India West Coast - off Daman.</b> Charts IN 21 209 254 292 INT 7331. Aerial firing scheduled on 28, 29 Sep 20 from 0230 to 1130 UTC in danger area bounded within 20-26N to 20-40N and 072-27E to 072-40E. Wide berth from area advised.</p> <p>2. Cancel this MSG 291230 UTC Sep 20.</p>
<p><b>521. NAVAREA VIII - Warnings in force as on 25 Sep 2020:-</b>  <b>2019 Series -</b> 199 289 369 392 479 591 621 812 895 928  <b>2020 Series -</b> 116 267 329 331 333 354 368 384 385 434 442 444 456 461 470 476 479 480 498 501 505 508 512 513 515 516 518 519 520  (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</p> <p>2. Cancel this MSG 021000 UTC Oct 20.</p>
<p><b>522. India West Coast - off Okha.</b> Charts IN 203 2068 INT 7319. MSV Sudama krishna reported sunk 22-37.74N 069-05.93E.</p>
<p><b>523. India West Coast - off Mumbai.</b> Charts IN 21 292 INT 702. Lifeboat of MT Laka reported adrift at 18-17.6N 067-51.71E on 26 SEP 20</p>

<b>523. Continued.</b>
2. Cancel this MSG 291830 UTC Sep 20.
<b>524. Andaman Sea - off Barren.</b> Charts IN 33 41 473 INT 7031. Firing by CG aircraft scheduled on 01, 02 Oct 20 from 0430 to 0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised.
2. Cancel this MSG 021030 UTC Oct 20.
<b>525. India West Coast - Kochi.</b> Charts IN 220 259 2029 INT 7356. Firing scheduled on 02, 09, 16, 23, 30 Oct 20 from 0900 to 1200 UTC and 06, 13, 20, 27 Oct 20 from 0900 to 1200 UTC and 1230 to 1430 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 301300 UTC Oct 20.
<b>526. Andaman Sea - Yangon River.</b> Charts BA 833 INT 7442. Recommended track 16-17.2N 096-17.55E, 16-20.1N 096 -18.91E, 16-26.5N 096-20.75E.
<b>527. India East Coast - off Paradip.</b> Charts IN 31 351 352 353 3017 3038 3041 INT 756. Experimental flight trial scheduled on 03, 04 Oct 20 from 0430 to 0830 UTC in danger area bounded by 20-49.36N 087-01.68E, 19-51.28N 086-32.36E, 17-13.13N 086-18.41E, 14-20.63N 086-51.55E, 14-28.51N 088-27.3E, 17-23.95N 088-29.86E, 19-57.48N 087-47.66E, 20-49.9N 087-08.11E . Wide berth from area advised.
2. Cancel this MSG 040930 UTC Oct 20.
<b>528. India West Coast.</b> Charts IN 21 211 255 256 INT 7334. Rig Move. Virtuel (18-19.2N 072-18.09E), Sagar Kiran (19-14.9N 072-04.05E), Aban Ice (Demobilised). Refer to 164(T) of INTM 14/20. Wide berth requested.
<b>529. India East Coast - Paradip.</b> Charts IN 31 352 3010 3041 INT 7418. DGPS (20-15N 086-39E) off from 0030 to 1230 UTC on 01 Oct 20.
2. Cancel this MSG 011330 UTC Oct 20.
<b>530. Andaman Sea - off Preparis.</b> Channel. Charts BA 830 INT 756. MV Pacific patriot progressing survey in vicinity of 16-56.66N 093-42.5E, 16-55.63N 093-42.1E, 16-57.24N 094-05.34E, 16-57.51N 094-05.34E, 15-40.53N 093-53.85E, 17-01.48N 093-56.63E, 17-01.63N 094-00.56E. Wide berth requested.
2. Cancel this MSG 312359 UTC Dec 20.
<b>531. Cancel NAVAREA VIII MSG 519/20 and this MSG.</b>

**SECTION – VI**  
**CORRECTIONS TO SAILING DIRECTIONS (PILOTS)**

NIL





<b>D7318-75</b>	-- Inner Breakwate	23 36:07 N 58 36:05 E	Iso G 4s	..	3	Green Δ on green beacon 4		
*	*	*	*	*	*	*	*	*
<b>D7318-8</b>	--	23 36:10 N 58 36:01 E	Dir WRG	..	8	Red and white tower 4		
*	*	*	*	*	*	*	*	*
<b>D7318-805</b>	-- Pontoon. 5	23 35:97 N 58 36:07 E	FI Y 10s	..	3	Black pile 4		
*	*	*	*	*	*	*	*	*
<b>D7318-81</b>	-- Pontoon. 4	23 35:96 N 58 36:04 E	FI Y 10s	..	3	Black pile 4		
*	*	*	*	*	*	*	*	*
<b>D7318-82</b>	-- Pontoon. 3	23 35:96 N 58 36:01 E	FI Y 10s	..	3	Black pile 4		
*	*	*	*	*	*	*	*	*
<b>D7318-83</b>	-- Pontoon. 2	23 35:97 N 58 35:99 E	FI Y 10s	..	3	Black pile 4		
*	*	*	*	*	*	*	*	*
<b>D7318-85</b>	-- Pontoon. 1	23 35:97 N 58 35:97 E	FI Y 10s	..	3	Black pile 4		
*	*	*	*	*	*	*	*	*
<b>D7318-9</b>	-- Service Berth. Pontoon	23 35:98 N 58 35:93 E	FI Y 10s	..	3	Black pile 4		
*	*	*	*	*	*	*	*	*
<b>D7568-21</b>	MINA' AZ ZAWR (MINA' SA'UD) - SEA ISLAND. Pier. N Head	28 41:74 N 48 33:28 E	FI W 12s	14	10	Helipad		
*	*	*	Mo(U)W 15s	..	..		*	*
<b>D7568-215</b>	- SEA ISLAND. Pier. Fog Signal	28 41:72 N 48 33:29 E	Horn Mo(U) 30s	..	..	Dolphin		
*	*	*	*	*	*	*	*	*
<b>D7568-24</b>	- SEA ISLAND. Pier. Centre	28 41:50 N 48 33:41 E	FI W 12s	14	10			
*	*	*	Mo(U)W 15s	..	..		*	*
<b>D7568-28</b>	- SEA ISLAND. Pier. S Head	28 41:18 N 48 33:52 E	FI W 12s	14	10			
*	*	*	Mo(U)W 15s	..	..		*	*
<b>D7575-25</b>	- Small Boat Harbour. W Breakwater	28 43:04 N 48 23:38 E	FI R 12s	18	3			
*	*	*	Mo(U)R 15s	..	..		*	*
<b>D7575-26</b>	- Small Boat Harbour. E Breakwater	28 43:01 N 48 23:50 E	FI G 12s	18	3			
*	*	*	Mo(U)G 15s	..	..		*	*
<b>D7575-263</b>	- LNG Terminal	28 42:67 N 48 24:40 E	FI G	14	1	Dolphin		
*	*	*	Mo(U)G 15s	..	..		*	*
<b>D7575-264</b>	- LNG Terminal. Fog Signal	28 42:96 N 48 24:44 E	Horn Mo(U) 30s				*	*
*	*	*	*	*	*	*	*	*
<b>D7575-265</b>	- LNG Terminal	28 43:29 N 48 24:54 E	FI G	14	1	Dolphin		
*	*	*	Mo(U)G 15s	..	..		*	*
<b>D7575-27</b>	- Sulphur Pier. Elbow	28 43:39 N 48 24:58 E	FI R 12s	14	3			
*	*	*	Mo(U)R 15s	..	..		*	*
<b>D7575-28</b>	- Sulphur Pier. Head	28 43:55 N 48 24:61 E	FI R 12s	14	3	Dolphin		
*	*	*	Mo(U)R 15s	..	..		*	*
<b>D7575-6</b>	Remove from list; deleted							
<b>D7578-4</b>	Remove from list; deleted							
<b>F1614</b>	SUNGAI LANGAT - <b>Bukit Jugra</b>	02 50.10 N 101 25.10 E	FI W 10s	146	24	White round concrete tower 25	Another tower of similar size is Located very close by. <b>Range 15M (T) 2020</b>	*

## 7.3

<b>F1626</b>	- Cape Rachado (Melaka)	02 24.44 N 101 51.12 E	Fl(3)W 15s	118	<b>23</b>	White round concrete tower 24	<b>Range 15M (T) 2020</b>	
								*
	SINGAPORE PORT. SISTERS FAIRWAY							
<b>F1720-8</b>	- Pulau Subar Darat. JTC- R1	01 12.96 N 103 49.84 E	Oc(2)Y 8s	..	..	× on yellow beacon		
*	*#	*#	*#	*#	*#	*#		*#
<b>F1816</b>	--	01 16.09 N 104 35.64 E	Lit	..	..	White post 8		
*	*#	*#	*#	*#	*#	*#		*#
<b>F1836.43</b>	--	03 21.61 N 106 15.71 E	Fl G 5s	7	6	Green Δ on green beacon	<i>fl 1</i>	
		*						

**SECTION – VIII**  
**CORRECTION TO LIST OF RADIO SIGNALS**

**INP 31(1), 2019**

*(Last correction: Edition No. 11 dated 01 Jun 2020)*

NIL

**INP 31(2), 2019**

*(Last correction: Edition No.18 dated 16 Sep 2020)*

NIL

**NP 31(5), 2017**

*( Last correction: Edition No. 05 dated 01 Mar 2020)*

NIL

**INP 31(6), 2018**

*( Last correction: Edition No. 16 dated 16 Aug 2020)*

NIL

## SECTION – IX

### REPORTING OF NAVIGATIONAL DANGERS

#### Appeal to all Mariners

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / harbours 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: - inho@navy.gov.in, msis-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.

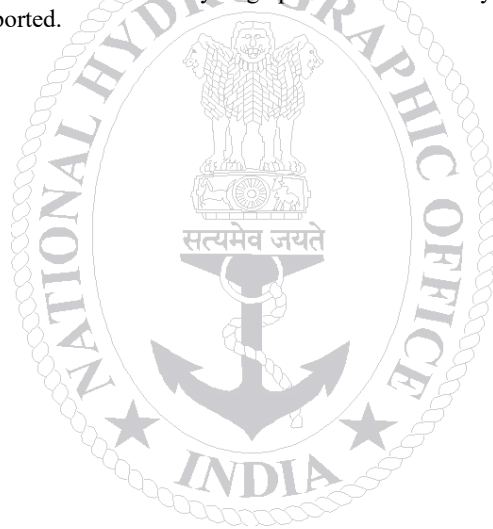
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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



<b>HYDROGRAPHIC NOTE</b>		<b>IH.102 (Revised 2012)</b>	
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			

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

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



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



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

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

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

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

**AFTN: VABBYXYC**