



INDIAN NOTICES TO MARINERS



EDITION NO. 07 DATED 01 APR 2020

(CONTAINS NOTICES 109 TO 117)

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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 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 edition Indian Electronic Navigational Charts that are available for mariners in the market are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52038V	2038	RAJAPUR BAY AND VIJAYDURG HARBOUR	23-03-2020
IN62507P	2507	GRAND PORT	23-03-2020

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 The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN52038V	2038	RAJAPUR BAY AND VIJAYDURG HARBOUR	21-01-2014
IN62507P	2507	GRAND PORT	07-02-2017

3. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
272	CORA DIVH TO ELIKALPENI BANK	5,00,000	New Edition
293	MUMBAI TO NEW MANGALORE	7,50,000	New Edition
313	MAMALLAPURAM (MAHABALIPURAM) TO POINT PUDI	1,50,000	New Edition
2007	ANDROTH ISLAND	30,000	New Edition
2038	RAJPUR BAY AND VIJAYDURG HARBOUR	25,000	New Edition
2507	GRAND PORT	12,500	New Edition

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 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:

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	Navico Norway AS Nyaskaiveien 2, 4379 Egersund, Norway Ph: +47 51 464700, +91 2262233326 Mob: +91 9820238542 Fax: +47 51 464701, +91 2267939504 Email: enc@c-map.com , info@c-map.co.no Website: www.c-map.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	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

VI

TEMPORARY AND PRELIMINARY NOTICES

In Force as on 01 Apr 2020

(Former List dated 01 Jan 2020 is cancelled)

Cancelled Notices	
Area	Notice No.
1	<i>Nil</i>
2	<i>037/19, 040/20, 048/20, 060/20, 066/20, 076/20, 092/20, 108/20</i>
3	<i>236/19, 243/19, 256/19, 039/20, 041/20, 049/20, 077/20, 093/20, 107/20</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.
085/18	21 – 22(INT752) – 211 – 255(INT 7334) – 292 (INT7021) – 293 (INT 7022) – 2076(INT7338) – 2016(INT7336) – 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.
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 Murnugao – 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.

VII

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

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.
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.
179/19	2083 (INT 7339) – 2033 (INT 7341).	INDIA – WEST COAST – Gulf of Kachchh – Sikka Creek – Mooring 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.
062/20	21 – 22 (INT 752) – 292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 255 (INT 7334) – 211.	INDIA – WEST COAST – Satpati to Dighi Harbour – Survey.
063/20	21 – 22 (INT 752) – 292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 255 (INT 7334) – 256 (INT 7340) – 211.	INDIA – WEST COAST – Satpati to Dighi Harbour – Survey.
064/20	21 – 22 (INT 752) – 292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 255 (INT 7334).	INDIA – WEST COAST – Approaches to Mumbai – Survey.
065/20	21 – 292 (INT 7021) – 254 (INT 7331) – 207.	INDIA – WEST COAST – Diu Head to Gopnath – Survey.
086/20	21 – 291 – 271 – 254 (INT 7318) – 202.	INDIA – WEST COAST – Jakhau to Dwarka – Survey.
087/20	21 – 22 (INT 752) – 292 (INT 7021) – 293 (INT 7022) – 255 (INT 7334) – 211.	INDIA – WEST COAST – Satpati to Dighi Harbour – Survey.
088/20	21 – 22 (INT 752) – 292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 207.	INDIA – WEST COAST – Diu Head to Gopnath – Survey.
090/20	21 – 22 (INT 752) – 214 – 257 (INT 7343) – 268 (INT 7353) – 273 – 292 (INT 7021) – 293 (INT 7022) – 2020 – 2022 (INT 7345) – 2047 – 2078 (INT 7346) – 7703 (INT 703) – 7705 (INT 705).	INDIA – WEST COAST – Arabian Sea – Data Buoys and Tsunami Buoy.
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.
106/20	2016 (INT 7336) – 2015 (INT 7337) – 2076 (INT 7338).	INDIA – WEST COAST – Jawaharlal Nehru Port and Trombay – Dredging.
116/20	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.

VIII

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.
122/19	31 (INT 756) – 32 (INT 754) – 33 (INT 755) – 352 – 355 (INT 7405) – 356 (INT 7400) – 357 (INT 7397) – 391 – 308.	INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.
167/19	31 (INT 756).	INDIAN OCEAN – BAY OF BENGAL – Northern Portion (Krishnapatnam to Bassein River) – Data Buoy.
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.
038/20	31 (INT 756), 41 (INT 757).	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.
089/20	41 (INT 757).	BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Survey.
102/20	31 (INT 756) – 351 (INT 7419) – 352 (INT 7416) – 3041 – 3010 (INT 7418).	INDIA – EAST COAST – Paradip Port – Buoy.
103/20	41 (INT 757) – 31 (INT 756)	BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Survey.
104/20	41 (INT 757) – 31 (INT 756)	BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Survey.
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.
114/20	31 (INT 756).	INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Drilling Operation.
115/20	391 – 354 (INT 7408) – 355 (7405)	INDIA – EAST COAST – Bay of Bengal – Oil Rigs.
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.

IX

4. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA.

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

SECTION – I

The list of charts affected by the Notices 109 to 117 contained in this edition is as follows:-

CHART NUMBER	FOLIO NO.	NOTICE NO.
21	2	109
22 (INT 752)	3	111
31 (INT 756)	5	113 (T), 114 (T), 117 (T)
32 (INT 754)	5	111, 117 (T)
33 (INT 755)	5	117 (T)
41 (INT 757)	6	117 (T)
207	2	109
210	3	109, 116 (T)
211	3	116 (T)
222	4	111
253 (INT 7328)	2	116 (T)
254 (INT 7331)	3	109, 116 (T)
255 (INT 7334)	3	116 (T)
256 (INT 7340)	3	116 (T)
260 (INT 7362)	4	111
261	4	111
292 (INT 7021)	2	109, 116 (T)
293 (INT 7022)	3	116 (T)
313	5	117 (T)
354 (INT 7408)	5	115 (T)
355 (INT 7405)	5	115 (T)
356 (INT 7400)	5	117 (T)
357 (INT 7397)	5	117 (T)
391	5	115 (T), 117 (T)
404 (INT 7439)	6	117 (T)
405 (INT 7440)	6	117 (T)
472 (INT 7032)	6	117 (T)
473 (INT 7031)	6	117 (T)
2001	3	110
2015 (INT 7337)	3	110
2016 (INT 7336)	3	110
3001 (INT 7402)	5	112, 117 (T)
3004 (INT 7403)	5	117 (T)
3028 (INT 7404)	5	112
4115	6	117 (T)

2.1
SECTION – II

PERMANENT NOTICES

***109 (07/20) INDIA – WEST COAST – Diu Head to Gopnath Point – Rig and Wreck.**

Source: IH-102, INS Sarvekshak.

Chart 21 [previous update 068/20]

Insert  20° 44′·82N., 71° 55′·55E.
 Substitute  for  20° 24′·53N., 72° 06′·06E.

Chart 292 (INT 7021) [previous update 079/20]

Insert  20° 44′·82N., 71° 55′·55E.
 20° 59′·76N., 72° 03′·79E.
 Substitute  for  20° 24′·53N., 72° 06′·06E.
 Delete  21° 00′·10N., 72° 03′·62E.

Chart 254 (INT 7331) [previous update 072/20]

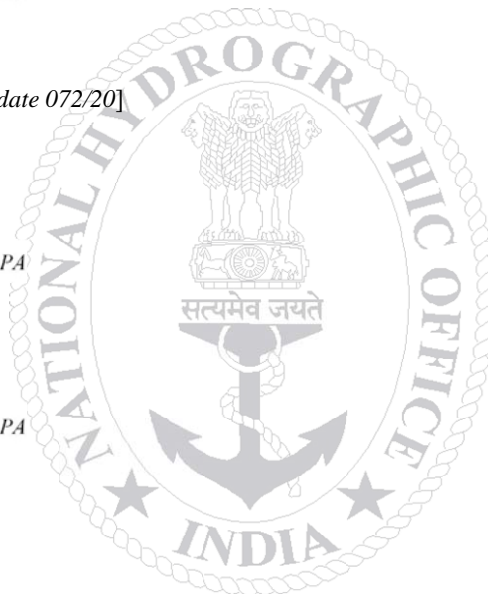
Insert  20° 44′·82N., 71° 55′·55E.
 20° 59′·76N., 72° 03′·79E.
 Substitute  for  20° 24′·53N., 72° 06′·06E.
 Delete  21° 00′·10N., 72° 03′·62E.

Chart 210 [previous update 072/20]

Substitute  for  20° 24′·53N., 72° 06′·06E.

Chart 207 [previous update 232/19]

Insert  20° 44′·82N., 71° 55′·55E.
 Move  from 21° 00′·10N., 72° 03′·62E.
 to 20° 59′·76N., 72° 03′·79E.
 Substitute  for  20° 24′·53N., 72° 06′·06E.



***110 (07/20) INDIA – WEST COAST – Mumbai Docks – Buoy and Legend.**

Source: IH-102, INS Investigator.

Chart 2016 (INT 7336) [previous update 096/20]

Insert  18° 56′·84N., 72° 51′·35E.
 18° 56′·96N., 72° 51′·37E.
 legend, “(ru)” centered on: 18° 56′·32N., 72° 51′·08E.
 18° 56′·44N., 72° 50′·88E.
 Move  from 18° 56′·13N., 72° 51′·08E.

***110 (07/20) INDIA – WEST COAST – Mumbai Docks – Buoy and Legend (Continued).**

Move		from	18° 55'·17N., 72° 51'·04E.
		to	18° 55'·24N., 72° 51'·02E.
		from	18° 56'·13N., 72° 50'·75E.
		to	18° 56'·06N., 72° 50'·74E.

Chart 2015 (INT 7337) [previous update 079/20]









Insert			18° 56'·84N., 72° 51'·35E.
			18° 56'·96N., 72° 51'·37E.
	legend, “(ru)” centered on:		18° 56'·42N., 72° 50'·80E.
Move		<i>Fl(2)R.12s</i> <i>OCT-6</i> from	18° 56'·13N., 72° 51'·08E.
		to	18° 56'·24N., 72° 51'·10E.
		<i>Fl.R.1.5s</i> from	18° 55'·17N., 72° 51'·04E.
		to	18° 55'·24N., 72° 51'·02E.
		<i>Fl.3s</i> from	18° 56'·13N., 72° 50'·75E.
		to	18° 56'·06N., 72° 50'·74E.


Chart 2001 [previous update 069/20]

Insert			18° 56'·84N., 72° 51'·35E.
			18° 56'·96N., 72° 51'·37E.
	legend, “(ru)” centered on:		18° 56'·36N., 72° 50'·98E.
			18° 56'·42N., 72° 50'·81E.
Move		<i>Fl(2)R.12s</i> <i>OCT-6</i> from	18° 56'·13N., 72° 51'·08E.
		to	18° 56'·24N., 72° 51'·10E.
		<i>Fl.R.1.5s</i> from	18° 55'·17N., 72° 51'·04E.
		to	18° 55'·24N., 72° 51'·02E.
		<i>Fl.3s</i> from	18° 56'·13N., 72° 50'·75E.
		to	18° 56'·06N., 72° 50'·74E.

***111 (07/20) INDIA – WEST COAST – Kollam (Quilon) to Kolachel – Submarine Cable.**

Source: Global Cloud Exchange.

Chart 22 (INT 752) [previous update 071/20]

Insert	Submarine cable,  , joining:	08° 27'·85N., 76° 55'·50E. (shore)
		08° 27'·09N., 76° 54'·38E.
		08° 18'·91N., 76° 47'·96E.
		08° 06'·37N., 76° 38'·15E.

***111 (07/20) INDIA – WEST COAST – Kollam (Quilon) to Kolachel – Submarine Cable (Continued).**

08° 04'.56N., 76° 37'.47E.

07° 18'.67N., 76° 07'.58E.

07° 17'.04N., 76° 04'.83E.


07° 11'.54N., 76° 00'.60E..

07° 09'.49N., 75° 57'.76E.

06° 54'.38N., 75° 47'.26E.

06° 43'.12N., 75° 35'.06E.

06° 41'.16N., 75° 32'.91E.

Chart 32 (INT 754) [previous update 241/19]Insert Submarine cable, , joining:

08° 27'.85N., 76° 55'.50E. (shore)

08° 27'.09N., 76° 54'.38E.

08° 18'.91N., 76° 47'.96E.

08° 06'.37N., 76° 38'.15E.

08° 04'.56N., 76° 37'.47E.

07° 18'.67N., 76° 07'.58E.


07° 17'.04N., 76° 04'.83E.

07° 11'.54N., 76° 00'.60E..

07° 09'.49N., 75° 57'.76E.

06° 54'.38N., 75° 47'.26E.

06° 52'.62N., 75° 45'.00E. (W border)

**Chart 261 [previous update NC 31 DEC 18]**Insert Submarine cable, , joining:

08° 22'.81N., 76° 51'.02E.

08° 22'.42N., 76° 50'.59E.

08° 18'.91N., 76° 47'.96E.

08° 07'.82N., 76° 39'.61E.

08° 06'.37N., 76° 38'.15E.

08° 04'.56N., 76° 37'.47E.

08° 00'.99N., 76° 35'.22E.

07° 58'.14N., 76° 33'.42E.

***111 (07/20) INDIA – WEST COAST – Kollam (Quilon) to Kolachel – Submarine Cable (Continued).**

07° 43'.23N., 76° 23'.96E.

07° 19'.46N., 76° 08'.48E.

07° 18'.67N., 76° 07'.58E.

07° 17'.04N., 76° 04'.83E..

07° 16'.14N., 76° 03'.85E.

07° 13'.89N., 76° 02'.26E.

07° 11'.54N., 76° 00'.60E.


07° 09'.49N., 75° 57'.67E.

06° 54'.38N., 75° 47'.26E..

06° 53'.77N., 75° 46'.22E..

06° 43'.12N., 75° 35'.06E.

06° 43'.00N., 75° 35'.06E.(S border)

Chart 260 [previous update 203/19]Insert Submarine cable, , joining:

08° 22'.81N., 76° 51'.02E.

08° 22'.42N., 76° 50'.59E.

08° 18'.91N., 76° 47'.96E.

08° 07'.82N., 76° 39'.61E.

08° 06'.37N., 76° 38'.15E.

08° 04'.56N., 76° 37'.47E.

08° 00'.99N., 76° 35'.22E.

07° 58'.14N., 76° 33'.42E.

07° 43'.23N., 76° 23'.96E.

07° 19'.46N., 76° 08'.48E.

07° 18'.67N., 76° 07'.58E.

07° 17'.04N., 76° 04'.83E..

07° 16'.14N., 76° 03'.85E.

07° 13'.89N., 76° 02'.26E.

07° 12'.00N., 76° 01'.00E.(S border)

111 (07/20) INDIA – WEST COAST – Kollam (Quilon) to Kolachel – Submarine Cable (Continued).*Chart 222** [previous update NC 31 DEC 17]

Insert Submarine cable, , joining:

08° 22'.81N., 76° 51'.02E.
 08° 22'.42N., 76° 50'.59E.
 08° 18'.91N., 76° 47'.96E.
 08° 07'.82N., 76° 39'.61E.
 08° 06'.37N., 76° 38'.15E.
 08° 04'.56N., 76° 37'.47E.
 08° 00'.99N., 76° 35'.22E.
 07° 59'.50N., 76° 34'.29E.

***112 (07/20) INDIA – EAST COAST – Kamarajar Port – Anchorage and Pilot boarding area.**

Source: Tamilnadu Maritime Board.

Chart 3001(INT 7402) [previous update 055/20]


Insert Anchorage area, pecked line; joining:



13° 12'.08N., 80° 21'.80E.
 13° 12'.17N., 80° 21'.49E
 13° 12'.38N., 80° 21'.69E
 13° 12'.28N., 80° 21'.68E
 13° 12'.20N., 80° 21'.65E

Chart 3028(INT 7404) [previous update 154/19]

Insert Anchorage area, pecked line; joining:



13° 12'.08N., 80° 21'.80E.
 13° 12'.17N., 80° 21'.49E
 13° 12'.38N., 80° 21'.69E
 13° 12'.20N., 80° 21'.68E
 13° 12'.20N., 80° 21'.65E

Section – III

TEMPORARY AND PRELIMINARY NOTICES

***113 (T) (07/20) INDIAN OCEAN - Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Drilling Operation.**

Source: Myanmar Notice 10/20.

1. Drilling operation will be carried out by Semi-Submersible Rig Ocean Monarch (Call Sign: V7IY3) from **06 Apr to 06 Jan 22** in the following coordinates:-

Sl. No.	Position
(a)	19° 51'·25N., 92° 20'·34E.
(b)	19° 55'·35N., 92° 33'·11E.
(c)	19° 30'·23N., 92° 28'·67E.
(d)	19° 34'·65N., 92° 41'·12E.

2. During the drilling operation period anchoring, fishing and trawling are prohibited within 4 KM from the above mentioned area.
3. Mariners are advised to navigate with caution.

Charts affected – 31 (INT 756).

***114 (T) (07/20) INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Drilling Operation.**

Source: Myanmar Notice 12/20.

1. Drilling operation is in progress by MV Maersk Viking (Call Sign: S6LY3) till **18 May 20** in the area bounded by the following coordinates:-

Sl. No.	Position
(a)	19° 51'·22N., 092° 16'·27E.
(b)	19° 56'·85N., 092° 33'·76E.
(c)	19° 12'·84N., 092° 50'·34E.
(d)	19° 06'·99N., 092° 31'·73E.

2. During the drilling operation period anchoring, fishing and trawling are prohibited within 4 KM from the above mentioned area.
3. Mariners are advised to navigate with caution.

Charts affected – 31 (INT 756).

***115 (T) (07/20) INDIA – EAST COAST – Bay of Bengal – Oil Rigs.**

Source: ODAG, Mumbai.

1. List of Oil Rigs is as follows:-

Rig Name	Position
Aban II	16° 27'·74N., 82° 10'·63E.
Deep Driller 8	16° 40'·09N., 82° 25'·43E.
DDKG 1	16° 10'·23N., 82° 34'·90E.
Essar Wildcart	16° 33'·44N., 82° 29'·19E.
SSV Louisiana	17° 00'·00N., 82° 25'·50E.
Olinda Star	16° 16'·38N., 82° 15'·88E.
Platinum Explorer	16° 17'·65N., 82° 18'·72E.
DSR West Polaris	16° 31'·70N., 82° 35'·90E.

2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the oil rigs.
3. All positions are in WGS 84 datum.
4. **Charts Affected – 391 – 354 (INT 7408) – 355 (INT 7405).**

Former INTM 107(T)/20 is cancelled.

***116 (T) (07/20) INDIA – WEST COAST – Arabian Sea – Oil Rigs.**

Source: ODAG, Mumbai.

1. List of Oil Rigs is as follows:-

Rig Name	Position
Aban III	18° 01'.06N., 72° 22'.72E.
Aban IV	19° 26'.15N., 71° 18'.63E.
Aban Ice	19° 13'.38N., 71° 32'.59E.
CE Thornton	19° 28'.84N., 71° 42'.94E.
Discovery 1	19° 10'.06N., 71° 46'.56E.
DS Fortune	19° 37'.49N., 72° 17'.26E.
DS Fossil	19° 12'.80N., 72° 06'.73E.
FG Mclintok	18° 46'.02N., 72° 17'.97E.
Great Drill Chaaya	18° 43'.64N., 72° 13'.66E.
Great Drill Chaaru	19° 32'.35N., 71° 20'.93E.
Great Drill Chetna	19° 42'.62N., 70° 51'.07E.
Great Drill Chitra	19° 33'.34N., 71° 18'.41E.
Harvey H Ward	18° 17'.26N., 72° 19'.49E.
Jindal Explorer	19° 14'.45N., 70° 58'.88E.
Jindal Star	18° 54'.75N., 71° 49'.57E.
JT Angel	19° 20'.37N., 71° 22'.37E.
Parameswara	19° 00'.06N., 71° 46'.40E.
Ron Tappmeyer	18° 08'.15N., 72° 25'.28E.
Sagar Bhushan	19° 23'.98N., 70° 58'.01E.
Sagar Gaurav	19° 19'.79N., 71° 15'.43E.
Sagar Jyoti	19° 54'.20N., 72° 18'.03E.
Sagar Kiran	19° 10'.54N., 71° 00'.71E.
Sagar Ratna	19° 07'.35N., 72° 06'.45E.
Sagar Shakti	20° 10'.65N., 72° 12'.43E.
Sagar Uday	18° 39'.22N., 70° 58'.86E.
Sagar Vijay	20° 24'.79N., 69° 22'.51E.
Sundower 5	19° 22'.76N., 71° 16'.31E.
Sundower 7	18° 29'.86N., 72° 15'.01E.
Trident 12	19° 13'.86N., 71° 25'.23E.
Valiant Driller	18° 44'.08N., 72° 18'.48E.
Victory Driller	19° 38'.00N., 71° 21'.73E.
Vivekananda 1	19° 09'.88N., 72° 05'.99E.
Vivekananda 2	19° 10'.77N., 72° 05'.56E.
Virtue 1	19° 33'.13N., 71° 16'.35E.

2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the oil rigs.

3. All positions are in 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 108(T)/20 is cancelled.**

***117 (T) (01/20) INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys and Tsunami Buoys.**

Source: NIOT, Chennai.

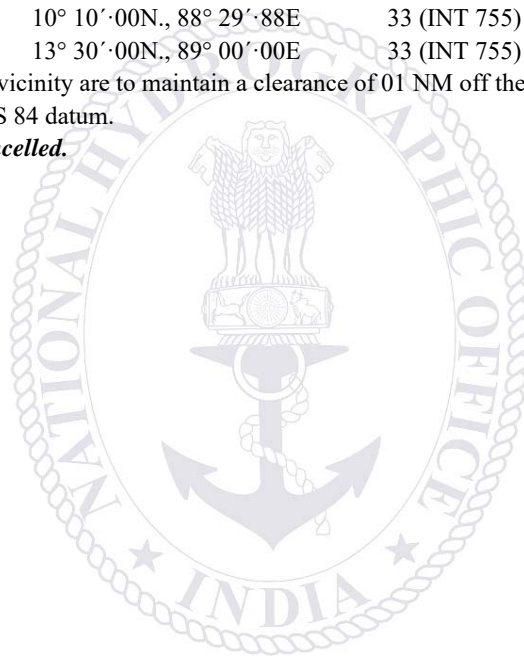
1. Following yellow colour data buoys characteristics FL(4)15s4M, 3m diameter and 3.5m height mast with radar reflector & mast carrying sensor laid in following positions:-

Buoy No./Name	Position	Chart Affected
BD08/OB	17° 49'·12N., 89° 13'·98E	31(INT 756)
BD09/OB	17° 28'·93N., 89° 07'·75E	31(INT 756)
BD10/OB	16° 21'·62N., 87° 59'·42E	31(INT 756)
BD11/OB	13° 31'·52N., 84° 10'·00E	32 (INT 754), 33 (INT 755), 391
BD12/OB	10° 31'·25N., 94° 05'·15E	41 (INT 757), 472 (INT 7032)
BD13/OB	13° 59'·25N., 86° 58'·92E	33 (INT 755)
BD14/OB	06° 33'·93N., 88° 21'·30E	33 (INT 755)
CB01/CB	11° 35'·33N., 92° 35'·77E	33 (INT 755), 41 (INT 757), 473 (INT 7031), 404 (INT 7439), 405 (INT 7440), 4115
CB06/CB	13° 06'·05N., 80° 18'·90E	32 (INT 754), 33 (INT 755), 356 (INT 7400), 357 (INT 7397), 391, 313, 3001 (INT 7402), 3004 (INT 7403)
WHOI Buoy	17° 48'·23N., 89° 30'·28E	31(INT 756)
TB09/TB	17° 04'·30N., 90° 00'·23E	31(INT 756)
TB05/TB	10° 10'·00N., 88° 29'·88E	33 (INT 755)
STB05/TB	13° 30'·00N., 89° 00'·00E	33 (INT 755)

2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.

3. All positions are in WGS 84 datum.

Former INTM 041(T)/20 is cancelled.



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:-

INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz								
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, or icgmrcc_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, 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 for the above have been published in the fortnightly Indian Notices to Mariners Edition No 07 of 2018(01stApril 2018).

(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 off Mumbai harbour is mandatory for all Indian and foreign flag ships and vessels entering and leaving Mumbai harbour and Jawaharlal Nehru Port Trust (JNPT)/ Nhava-Shevaharbour irrespective of size.

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>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, 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: 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@liftomarine.org, liftomarine77@gmail.com Web: www.liftomarine.org</p>	<p>HC 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>	

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 31 Mar 20:-

2019 SERIES	– 199	287	289	369	392	479	591	621	707	810	812	895	928						
2020 SERIES	– 074	076	086	089	116	117	118	146	159	171	188	192	195	196	201	203	204	207	209
	211	212	214	215	216	218	220	221	222	223									

3. NAVAREA VIII Warnings issued during the period from 16 Mar 20 to 31Mar 20 (both dates inclusive) are as tabulated below:-

187. India East Coast - off Paradip. Charts IN 352 INT 756. Green buoy reported adrift 19-53.5N 086-27.5E at 151905 UTC Mar 20. 2. Cancel this MSG 181905 UTC Mar 20.
188. India East Coast - off Pt Calimere. Charts IN 358 INT 7394. Ins Darshak progressing survey in area bounded within 09-57.4N to 10-20.3N and 079-36E to 080-30E. Wide berth requested. 2. Cancel this MSG 021830 UTC Apr 20.
189. Cancel NAVAREA VIII MSG 153/20,168/20, 172/20, 178/20 and this MSG. INTM 104(T)/20, 107(T), 108(T) refers.
190. India West Coast - off Mumbai . Charts IN 255 292 INT 7021. IFB Arabian reported adrift 18-24N 070-45E on 16 Mar 20. 2. Cancel this MSG 191000 UTC Mar 20.
191. India West Coast - Kochi. Charts IN 220 259 2029 INT 7356. Firing by naval coast battery scheduled on 20, 27 Mar 20 from 0900 to 1200 and 1230 to 1430 UTC and 24, 31 Mar 20 from 0900 to 1200 UTC in danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. Wide berth from area advised. 2. Cancel this MSG 311300 UTC Mar 20.
192. India West Coast. Charts IN 255 292 INT 7021. Rig move GD Chitra 19-33.34N 071-18.41E 2. Wide berth requested.
193. Cancel NAVAREA VIII MSG 180/20 and this MSG (.) INTM 103(T)/20 refers.
194. India West Coast - off Kochi. Charts IN 220 259 INT 7356. Firing by CG aircraft scheduled from 23 to 25 Mar 20 from 0330 to 0630 UTC in danger area bounded by 09-52N 076-06E, 09-35N 076-06E, 09-35N 075-50E, 09-51N 075-50E. Wide berth from area advised. 2. Cancel this MSG 250730 UTC Mar 20.
195. India East Coast. Charts IN 355 INT 7405. Rig move Platinum Explorer 16-17.65N 082-18.72E 2. Wide berth requested.
196. India West Coast. Charts in 255 292 INT 7021. Rig move Aban Ice 19-13.38N 071-32.59E 2. Wide berth requested.
197. India East Coast - off Gopalpur. Charts IN 31 305 353 354 INT 756. Army air defence firing scheduled on 25, 26, 27 Mar 20 from 0130 TO 0830 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 75 km radius joining point B and C. Wide berth from area advised. 2. Cancel this MSG 271530 UTC Mar 20.
198. Andaman Sea - off Barren. Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled on 26, 27 Mar 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 271030 UTC Mar 20.
199. India East Coast - off Chennai. Charts IN 32 356 357 391 INT 7400. Firing by CG aircraft scheduled on 25, 26, 27 Mar 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 271230 UTC Mar 20.

200.	India West Coast - off Mormugao. Charts IN 22 256 293 INT 7022. Firing scheduled from 260030 to 281530 UTC Mar 20 in danger area bounded by 16-08N 072-39E, 16-50N 071-45E, 14-53N 070-48E, 14-12N 071-42E, 14-15N 072-51E. Wide berth from area advised. 2. Cancel this MSG 281630 UTC Mar 20.
201.	India East Coast. Charts IN 355 INT 7405. Rig move DSR West Polaris 16-31.7N 082-35.9E 2. Wide berth requested.
202.	NAVAREA VIII Warnings in force as on 20 Mar 20 2019 Series - 199 287 289 369 392 479 591 621 707 810 812 895 928 2020 Series - 074 076 086 089 090 095 116 117 118 145 146 156 159 160 165 171 177 179 184 185 188 191 192 194 195 196 197 198 199 200 201 (A) NAVAREA VIII warnings less than 42 days promulgated via Safetynet (B) TEXT OF NAVAREA VIII WARNING INFORCE INCLUDING THOSE WHICH NO LONGER broadcast available in www.hydrobharat.gov.in 2. Cancel this MSG 270930 UTC Mar 20.
203.	India West Coast. Charts IN 255 292 INT 7021. Rig move Sagar Vijay 20-24.79N 069-22.51E Sagar Uday 18-39.22N 070-58.86E 2. Wide berth requested.
204.	INDIA EAST COAST (.) CHARTS IN 355 INT 7405 (.) RIG MOVE ESSAR WILDCAT 16-33.44N 082-29.19E 2. WIDE BERTH REQUESTED
205.	India West Coast - Okha. Charts IN 271 2068 INT 7319. Firing by naval coast battery scheduled on 26 Mar 20 from 0530 to 0730 UTC in danger sector extending upto 12 NM within bearing 270 to 020 from 22-28.75N 069-04.05E. wide berth from area advised. 2. Cancel this MSG 260830 UTC Mar 20.
206.	Cancel NAVAREA VIII MSG 165/20, 200 and this MSG.
207.	India East Coast - off Paradip. Charts IN 352 INT 7416. RV Polar Duchess progressing seismic survey in area bounded by 19-43.83N 085-56.73E, 19-57.89N 086-30.43E, 19-50.28N 086-54.13E, 19-11.33N 086-53.55E, 19-11.91N 085-57.26E. Wide berth requested. 2. Cancel this MSG 241830 UTC Apr 20.
208.	Cancel NAVAREA VIII MSG 205/20 and this MSG.
209.	Bay of Bengal – Coxs Bazar. Charts BA 90 817 INT 7430. LT (21-26N 091-59E) unlit.
210.	India West Coast - Gulf of Kachchh. Charts IN 203 2068 INT 7319. Salaya channel buoys Dhani, Narara, VLCC retrieved. 2. Cancel NAVAREA VIII MSG 165/20.
211.	India East Coast. Charts IN 355 INT 7405. Rig move. DDKG1 16-10.23N 082-34.90E 2. Wide berth requested.
212.	Bay of Bengal - Off Sittwe. Charts BA 817 INT 7430. Maerskviking progressing drilling in area bounded by 19-51.22N 092-16.27E, 19-56.85N 092-33.76E, 19-12.84N 092-50.34E, 19-06.99N 092-31.73E. Wide berth of 2.5 NM requested. 2. Cancel this MSG 182359 UTC May 20.
213.	India East Coast - Chennai. Charts IN 313 3001 INT 7402. Firing by naval coast battery scheduled on 31 Mar 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. 2. Cancel this MSG 311030 UTC Mar 20.
214.	India East Coast - off Gopalpur. Charts IN 31 305 352 353 INT 756. Army air defence firing and BPTA flight scheduled from 01 to 12 Apr 20 from 0130 to 0830 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 40 NM radius joining point B and C. Wide berth from area advised. 2. Cancel this MSG 121530 UTC Apr 20.

<p>215. NAVAREA VIII Warnings in force as on 27 Mar 20 2019 Series - 199 287 289 369 392 479 591 621 707 810 812 895 928 2020 Series - 074 076 086 089 090 095 116 117 118 146 159 171 179 188 191 192 195 196 201 203 204 207 209 210 211 212 213 214 (A) NAVAREA VIII warnings less than 42 days promulgated via Safetynet (B) Text of NAVAREA VIII warning inforce including those which no longer broadcast available in www.hydrobharat.gov.in 2. Cancel THIS MSG 030930 UTC Apr 20.</p>
<p>216. South Central Bay of Bengal. Charts IN 33 INT 71. Moored yellow tsunami buoy STB01 reported drifting south west 06-00N 088-34E at 230700 UTC Mar 20. Report sighting to ajay@incois.gov.in / pattabhi@incois.gov.in</p>
<p>217. Indian Ocean - off Rodriguez I. Charts IN 7070 INT 70. Abandoned sailing vessel mary luck reported drifting SW 26-53S 61-31E at 280614 UTC Mar 20. 2. Cancel this MSG 310700 UTC Mar 20.</p>
<p>218. Indian Ocean - off Reunion. Charts IN 7070 INT 70. Tug Britoil towing FPSO with 1000 m towlengh to Port Louis. Position 21-29.4S 055-51.5E at 281440 UTC Mar 20.</p>
<p>219. India East Coast - off Paradip. Charts IN 352 INT 7416. Red buoy reported adrift 19-42N 085-43E at 281715 UTC Mar 20. 2. Cancel this MSG 311800 UTC Mar 20.</p>
<p>220. India West Coast - Gulf of Kachchh. Charts IN 203 2068 INT 7319. Salaya channel buoy Tilburn retrieved 2. Cancel NAVAREA VIII MSG 210/20.</p>
<p>221. India West Coast - off Pipavav. Charts IN 207 254 INT 7331. RV Akademik Primakov progressing seismic survey in areas bounded by (A) 20-56.7N 071-38.9E, 21-01.9N 071-50.7E, 21-02.8N 072-07.6E, 20-55.7N 072-05.4E, 20-53.5N 071-51.7E, 20-44.2N 071-43.8E, 20-47.4N 071-39.4E, 20-52N 071-37.9E, 20-58.7N 071-38.9E (B) 20-32.6N 071-24.5E, 20-49.5N 071-23.4E, 20-52.3N 071-35.5E, 20-52.7N 071-48E, 20-48.8N 071-54E, 20-43.8N 071-55.1E, 20-31.8N 071-53.5E, 20-32.6N 071-24.4E. Vessel towing streamer of 5.5 NM. Wide berth of over 6.5 NM requested. 2. Cancel this MSG 101830 UTC Apr 20.</p>
<p>222. India West Coast - off Mumbai. Charts IN 255 293 2005 INT 7022. MV Fugro Mapper progressing survey in vicinity of 19-17N 071-21E, 18-51N 071-59E, 18-06N 072-25E, 19-36N 071-48E, 19-42N 071-33E, 19-25N 071-33E, 19-37N 071-41E, 17-56N 072-25E, 19-12N 072-11E, 18-16N 072-16E, 18-39N 072-15E, 19-37N 071-19E, 19-22N 071-04E, 18-36N 071-02E, 20-19N 072-01E, 23-10N 68-17E. Wide berth requested. 2. Cancel this MSG 301830 UTC Apr 20.</p>
<p>223. Andaman Sea - off Barren. Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled on 03, 09 Apr 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 091030 UTC Apr 20.</p>

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

NIL

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2019

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

NIL

INP 31(2), 2019

(Last correction: Edition No.06 dated 16 Mar 2020)

NP 31(5), 2017

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

NIL

INP 31(6), 2018

(Last correction: Edition No. 04 dated 16 Feb 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.

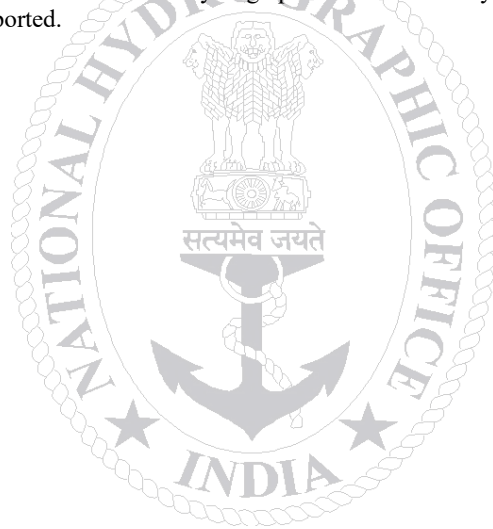
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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



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