



# INDIAN NOTICES TO MARINERS



EDITION NO. 09 DATED 01 MAY 2019

(CONTAINS NOTICES 109 TO 125)

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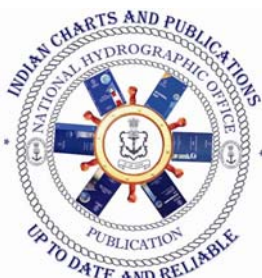
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## CONTENTS

<u>Section No.</u>	<u>Title</u>
I	List of Charts Affected
II	Permanent Notices
III	Temporary and Preliminary Notices
IV	Marine Information
V	NAVAREA VIII Warnings inforce
VI	Corrections to Sailing Directions
VII	Corrections to List of Lights
VIII	Corrections to List of Radio Signals
IX	Reporting of Navigational Dangers

(PUBLISHED ON NHO WEBSITE ON 1<sup>ST</sup> & 16<sup>TH</sup> 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. Sl Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

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

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

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

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

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

**Radio Navigational Warnings.**

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

## IV

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

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

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

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

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

- (a) The positions of hydrographic objects shown on some of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist 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>
7070 (INT 70)	15-03-2019	INDIAN OCEAN SOUTHERN PART <u>LIMIT</u> 51° 05'.60S; 24° 50'.00E. 02° 45'.20S; 116° 27'.50E.	1,00,00,000	1	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>Remarks</i>
5010	30-04-2019	INDIAN MARITIME SAFETY AND SECURITY CHART <u>LIMIT</u> 31° 00'.00S; 33° 00'.00E. 30° 57'.00N; 105° 00'.00E.	1,25,00,000	PDF available on <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a>

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

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart/ Edition</i>	<i>Date of Publication</i>
5010	15-12-2018	INDIAN MARITIME SAFETY AND SECURITY CHART	5010	30-04-2019
7070 (INT 70)	15-09-2002	INDIAN OCEAN SOUTHERN PART	7070 (INT 70)	15-03-2019

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>
IN3209ZU	209	HAZIRA TO UMARGAM	23-04-2019
IN2251RD	251	SIR CREEK TO DWARKA	23-04-2019

5. 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>
IN3209AU	209	HAZIRA TO UMARGAM	30-01-2017
IN2251CD	251	SIR CREEK TO DWARKA	14-02-2017

6. The new Indian Publication that is available for mariners in the market is as follows:-

<i>Title of Publication</i>	<i>Edition</i>
Indian List of Radio Signals – Volume 6	2018

**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:

<b>United Kingdom Hydrographic Office</b> Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Web site: <a href="http://www.hydro.gov.uk">www.hydro.gov.uk</a>	<b>C-MAP Norway AS</b> Nyaskaiveien 2, 4379 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>
<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>	<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>

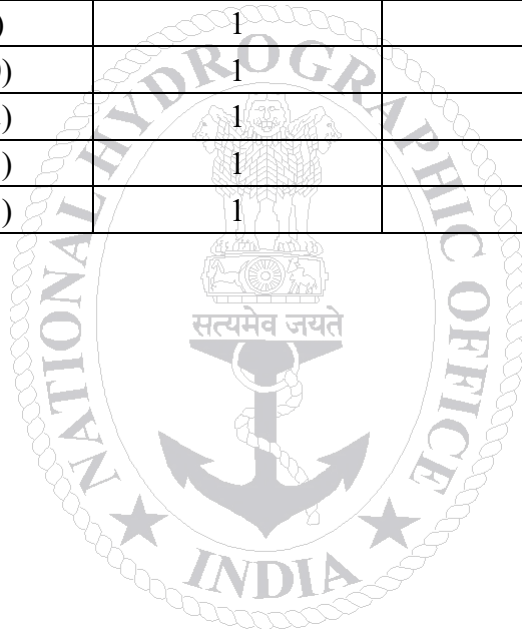


**SECTION – I**

The list of charts affected by the Notices 109 to 125 contained in this edition is as follows:-

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	112, 113, 120(P), 124(T)
22 (INT 752)	3	113, 114, 124(T)
31 (INT 756)	5	118, 122(T), 123(T), 125(T)
32 (INT 754)	5	122(T), 123(T), 125(T)
33 (INT 755)	5	122(T), 125(T)
41 (INT 757)	6	118, 125(T)
203 (INT 7319)	2	109, 120(P)
208	2	110, 111
209	3	112
211	3	113
218	4	114
220	4	121(P)
251 (INT 7318)	2	109, 120(P)
252 9INT 7325)	2	120(P)
254 (INT 7331)	3	110, 111, 112
255 (INT 7334)	3	113
258 (INT 7348)	4	114
259 (INT 7356)	4	121(P)
260 (INT 7362)	4	121(P)
268 (INT 7353)	4	124(T)
272	4	114
273	4	124(T)
292 (INT 7021)	2	110, 111, 112, 113, 124(T)
293 (INT 7022)	3	113
308	5	122(T)
313	5	125(T)
352 (INT 7416)	5	122(T)
354 (INT 7408)	5	122(T), 123(T)
355 (INT 7405)	5	122(T)
356 (INT 7400)	5	122(T), 125(T)
357 (INT 7397)	5	122(T), 125(T)
391	5	122(T), 123(T), 125(T),
401 (INT 7435)	6	118
404 (INT 7439)	6	125(T)
405 (INT 7440)	6	125(T)
472 (INT 7032)	6	125(T)
473 (INT 7031)	6	118, 125(T)
2004 (INT 7359)	4	121(P)

2013 (INT 7324)	2	109, 120(P)
2016 (INT 7336)	3	113
2029 (INT 7358)	4	121(P)
2031 (INT 7326)	2	109, 120(P)
2044	2	110, 111
2045 (INT 7360)	4	121(P)
2047	4	124(T)
2068	2	109, 120(P)
2101 (INT 7347)	3	112
3001 (INT 7402)	5	125(T)
3004 (INT 7403)	5	125(T)
2507 (INT 77395)	1	115
7508 (INT 508)	1	117
7070 (INT 70)	1	119
7071 (INT 71)	1	125(T)
7700 (INT 700)	1	116
7702 (INT 702)	1	116
7703 (INT 703)	1	124(T)
7705 (INT 705)	1	124(T)





**SECTION – II****PERMANENT NOTICES****\*109 (09/19) INDIA – WEST COAST – Gulf of Kachchh – Port of Okha - Buoys.**

Source: IH-102, INS Jamuna.

**Chart 251 (INT 7318)** [previous update 140/18]Delete  22° 30'·28N., 69° 03'·60E.**Chart 203 (INT 7319)** [previous update 031/19]Delete  No 1 22° 30'·24N., 69° 03'·61E.**Chart 2068** [previous update 045/19]Delete  No 1 22° 30'·24N., 69° 03'·61E.**Chart 2031 (INT 7326)** [previous update 092/19]Insert  Fl.R.4s 22° 30'·49N., 69° 05'·42E. Fl.G.4s 22° 29'·49N., 69° 05'·66E. Fl.G.4s 22° 29'·33N., 69° 05'·36E.Delete  No 1 22° 29'·12N., 69° 05'·39E. No 1 22° 30'·28N., 69° 03'·60E.**Chart 2013 (INT 7324)** [previous update 092/19]Insert  Fl.R.4s 22° 30'·62N., 69° 05'·31E. Fl.R.4s 22° 30'·49N., 69° 05'·42E. Fl.G.4s 22° 29'·49N., 69° 05'·66E. Fl.G.4s 22° 29'·33N., 69° 05'·36E. Fl.G.4s 22° 29'·12N., 69° 05'·39E.Delete  No 1 22° 30'·28N., 69° 03'·60E. No 1 22° 30'·62N., 69° 05'·31E.**\*110 (09/19) INDIA – WEST COAST – Gulf of Khambhat (Cambay) – Southern Portion – Light.**

Source: IH-102, INS Sutlej.

**Chart 292 (INT 7021)** [previous update 063/19]Substitute  (Ru), for:  LF1.10M 21° 18'·88N., 72° 36'·86E.**Chart 254 (INT 7331)** [previous update 061/19]Substitute  (Ru), for:  LF1.10s25m10M 21° 18'·85N., 72° 36'·87E.**Chart 208** [previous update 093/19]Substitute  (Ru), for:  Fl.10s25m10M 21° 18'·85N., 72° 36'·87E.**Chart 2044** [previous update 093/19]Substitute  (Ru), for:  Fl.10s25m10M 21° 18'·84N., 72° 36'·90E.

**\*111 (09/19) INDIA – WEST COAST – Gulf of Khambhat (Cambay) – Southern Portion – Legend.**

Source: IH-102, INS Sutlej.

**Chart 292 (INT 7021) [previous update 110/19]**

Substitute legend “Sartanpar” for “Sultanpur”, centered on: 21° 18′·00N., 72° 03′·00E.  
 legend “Sartanpar Shoals” for “Sultanpur Shoals”, centered on: 21° 17′·50N., 72° 14′·50E.

**Chart 254 (INT 7331) [previous update 110/19]**

Substitute legend “Sartanpar” for “Sultanpur”, centered on: 21° 18′·50N., 72° 05′·00E.  
 legend “Sartanpar” for “Sultanpur”, centered on: 21° 15′·50N., 72° 11′·40E.  
 legend “Sartanpar Shoals” for “SULTANPUR SHOALS”, centered on: 21° 18′·00N., 72° 13′·70E.

**Chart 208 [previous update 110/19]**

Substitute legend “Sartanpar” for “Sultanpur”, centered on: 21° 18′·45N., 72° 06′·15E.  
 legend “Sartanpar” for “Sultanpur”, centered on: 21° 16′·20N., 72° 11′·20E.  
 legend “Sartanpar Shoals” for “Sultanpur Shoals”, centered on: 21° 18′·00N., 72° 13′·00E.

**Chart 2044 [previous update 110/19]**

Substitute legend “Sartanpar” for “Sultanpur”, centered on: 21° 18′·45N., 72° 06′·15E.  
 legend “Sartanpar” for “Sultanpur”, centered on: 21° 16′·28N., 72° 11′·35E.  
 legend “Sartanpar Shoals” for “Sultanpur Shoals”, centered on: 21° 18′·00N., 72° 12′·87E.

**\*112 (09/19) INDIA – WEST COAST – Approaches to Hazira – Foul.**

Source: VTS Khambhat.

**Chart 21 [previous update 074/19]**

Insert # 20° 56′·57N., 72° 34′·84E.

**Chart 292 (INT 7021) [previous update 111/19]**

Insert # 20° 56′·57N., 72° 34′·84E.

**Chart 254 (INT 7331) [previous update 111/19]**

Insert # 20° 56′·54N., 72° 34′·85E.

**Chart 209 [previous update 035/19]**

Insert # 20° 56′·54N., 72° 34′·85E.

**Chart 2101 (INT 7347) [previous update 154/18]**

Insert # 20° 56′·57N., 72° 34′·84E.

**\*113 (09/19) INDIA – WEST COAST – Inner Approaches to Mumbai – Wreck.**

Source: Mumbai Port Trust.

**Chart 21 [previous update 112/19]**

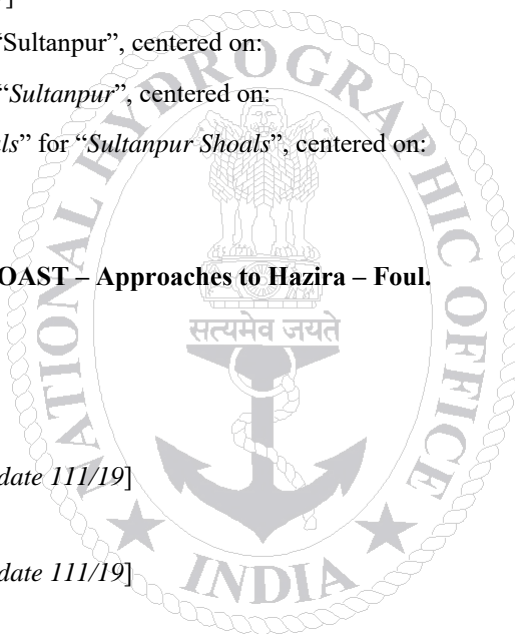
Insert  PA 19° 01′·60N., 72° 38′·79E.

**Chart 22 (INT 752) [previous update 041/19]**

Insert  PA 19° 01′·60N., 72° 38′·79E.

**Chart 293 (INT 7022) [previous update 062/19]**

Insert  PA 19° 01′·60N., 72° 38′·79E.



**\*113 (09/19) INDIA – WEST COAST – Inner Approaches to Mumbai – Wreck. (Continued).****Chart 292 (INT 7021)** [previous update 112/19]Insert  PA

19° 01'·60N., 72° 38'·79E.

**Chart 255 (INT 7334)** [previous update 063/19]Insert  PA

19° 01'·60N., 72° 38'·79E.

**Chart 211** [previous update 062/19]Insert  PA

19° 01'·60N., 72° 38'·79E.

**Chart 2016 (INT 7336)** [previous update 094/19]Insert  PA

19° 01'·60N., 72° 38'·79E.

**\*114 (09/19) INDIA – WEST COAST – Kasaragod to Tellicherry – Wreck.**

Source: UKHO.

**Chart 22 (INT 752)** [previous update 113/19]Insert  PA

12° 05'·00N., 75° 00'·00E.

**Chart 272** [previous update 042/19]Insert  PA

12° 05'·00N., 75° 00'·00E.

**Chart 258 (INT 7348)** [previous update 042/19]Insert  PA

12° 05'·00N., 75° 00'·00E.

**Chart 218** [previous update NC 31 Aug 2018]Insert  PA

12° 05'·00N., 75° 00'·00E.

**\*115 (09/19) INDIAN OCEAN – MAURITIUS – Grand Port – Wreck.**


Source: Mauritius Hydrographic Service.

**Chart 2507 (INT 77395)** [previous update NC 15 Jan 2017]Insert 

20° 23'·38S., 57° 43'·81E.

**\*116 (09/19) INDIAN OCEAN – Port Elizabeth to Mauritius – Wreck.**

Source: IH-102, INS Sarvekshak.

**Chart 7700 (INT 700)** [previous update 063/17]Insert 

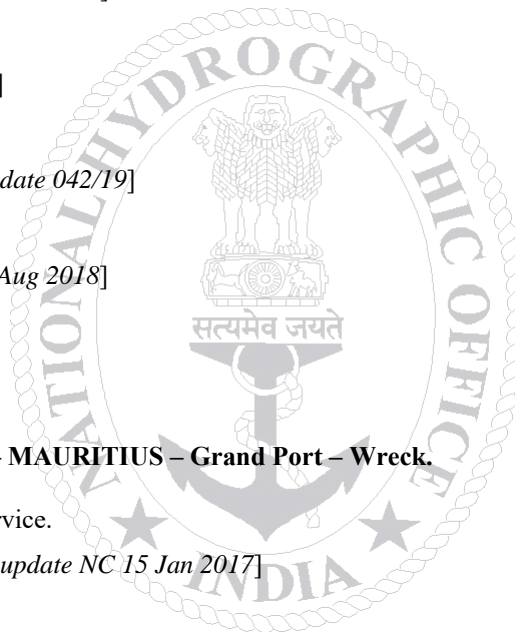
20° 18'·11S., 57° 48'·53E.

20° 18'·92S., 57° 47'·91E.

**Chart 7702 (INT 702)** [previous update 172/14]Insert 

20° 18'·11S., 57° 48'·53E.

20° 18'·92S., 57° 47'·91E.



**117 (09/19) INDIAN OCEAN – South China Sea – Wreck.**

Source: BA Notice 1940/19.

**Chart 7508 (INT 508)** [previous update 103/19]Insert  *Rep (2019)*

02° 14'·10N., 109° 51'·00E.

**118 (09/19) INDIA – Andaman Island – Preparis Island to Landfall Island – Depth.**

Source: BA Notice 1757/19.

**Chart 31 (INT 756)** [previous update 095/19]Insert depth, 22 *Rep (2019)*, enclosed by 50m contour

15° 15'·80N., 93° 47'·10E.

depth, 14 *Rep (2019)*

(a) 14° 53'·50N., 93° 42'·40E.

Delete depth, 16<sub>4</sub>, close N of:

(a) above

**Chart 41 (INT 757)** [previous update 096/19]Insert depth, 22 *Rep (2019)*, enclosed by 50m contour

15° 15'·80N., 93° 47'·10E.

depth, 14 *Rep (2019)*

(a) 14° 53'·50N., 93° 42'·40E.

Delete depth, 16<sub>4</sub>, close N of:

(a) above

**Chart 473 (INT 7031)** [previous update 174/15]Insert depth, 14 *Rep (2019)*

(a) 14° 53'·48N., 93° 42'·50E.

Delete depth, 16<sub>4</sub>, close N of:

(a) above

**Chart 401 (INT 7435)** [previous update NE 28 Feb 2017]Insert depth, 14 *Rep (2019)*

(a) 14° 53'·51N., 93° 42'·65E.

Delete depth, 16<sub>4</sub>, close NW of:

(a) above

depth, 18<sub>3</sub>, close S of:

(a) above

**\*119 (09/19) Miscellaneous updates to charts.**

Source: NHO Dehradun.

Chart	Previous Updates	Details
<b>7070</b> <b>(INT 70)</b>	<i>NC 15 Mar 2019</i>	Amend; Edition Date, Read as “15 Mar 2019” for “15 Mar 2018”

**SECTION – III****TEMPORARY AND PRELIMINARY NOTICES****\*120(P) (09/19) INDIA – WEST COAST – Gulf of Kachchh – Port of Okha – Construction Work.**

Source: IH-102, INS Jamuna.

1. Construction work is in progress in the area bounded by the following coordinates:-

Sl. No.	Position
(a)	22° 27'·50N., 069° 05'·44E.
(b)	22° 26'·96N., 069° 05'·59E.
(c)	22° 26'·82N., 069° 05'·59E.
(d)	22° 27'·32N., 069° 05'·46E.

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

**Charts affected – 21 – 251 (INT 7318) – 252 (INT 7325) – 203 (INT 7319) – 2068 – 2031 (INT 7326) – 2013 (INT 7324).**

**\*121(P) (09/19) INDIA – WEST COAST – Port of Kochi – Construction Work.**

Source: Cochin Port Limited.

1. Construction work is in progress in the area bounded by the following coordinates:-

Sl. No.	Position
(a)	09° 57'·72N., 076° 16'·59E.
(b)	09° 57'·76N., 076° 16'·67E.
(c)	09° 57'·60N., 076° 16'·77E.
(d)	09° 57'·56N., 076° 16'·68E.

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

**Charts affected – 260 (INT 7362) – 259 (INT 7356) – 220 – 2029 (INT 7358) – 2004 (INT 7359) – 2045 (INT 7360).**

**\*122(T) (09/19) INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.**

Source: NIO Goa.

1. Underwater Acoustic Doppler Current Profiler (ADCP) mooring deployed by National Institute of Oceanography, Goa in following positions:-

ADCP Mooring	Positions		Depth (in metres)	Charts affected
BODD2	19° 58'.56N	88° 19'.58E	153, 355	31 (INT 756).
BOGS11	19° 25'.94N	85° 42.29E	152	31 (INT 756) – 352 (INT 7416).
BOGD11	19° 23'.99N	85° 47'.51E	150, 350, 702	31 (INT 756) – 352 (INT 7416).
BOVS9	17° 48'.35N	83° 59'.17E	90, 160	31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408) – 308.
BOVD9	17° 45'.32N	84° 02'.97E	150, 350	31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408) – 308.
BOKS10	16° 15'.25N	82° 07'.40E	172	31 (INT 756) – 32 (INT 754) – 391 – 355 (INT 7405).
BOKD10	16° 06'.63N	82° 12'.04E	150, 350, 700	31 (INT 756) – 32 (INT 754) – 391 – 355 (INT 7405).
BOND2	14° 29'.81N	80° 24'.83E	140, 340	31 (INT 756) – 32 (INT 754) – 356 (INT 7400) – 391.
BOPD10	12° 01'.04N	80° 12'.53E	170, 370, 720	32 (INT 754) – 33 (INT 755) – 357 (INT 7397).
BOPS10	12° 00'.39N	80° 07'.94E	170	32 (INT 754) – 33 (INT 755) – 357 (INT 7397).

2. All positions referred to WGS 84 datum.  
 3. Vessels operating in vicinity are to maintain a safe distance from moorings and exercise caution.  
 4. **Former INM 145(T)/18 is cancelled.**

**\*123(T) (09/19) INDIA – EAST COAST – Sacramento Shoal to Kalingapatnam – Unexploded Charges.**

Source: Indian Navy.

1. Unexploded charges reported dumped by Indian Naval Ship in position 17° 00'·00N., 83° 40'·50E on 02 Apr 19.
2. Mariners to take note.

**Charts Affected – 31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408).****\*124(T) (09/19) INDIA – WEST COAST – Arabian Sea – Data Buoys and Tsunami Buoy.**

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	Charts affected
STB02/ TB	20° 48'·00N., 65° 25'·00E	21
TB12/ TB	19° 53'·43N., 66° 59'·51E	21, 22 (INT 752), 273, 292 (INT 7021)
TB12A/ TB	18° 38'·10N., 67° 10'·11E	21, 22 (INT 752), 273, 292 (INT 7021)
AD06/OB	18° 29'·42N., 67° 27'·00E.	21, 292 (INT 7021)
AD07/OB	14° 55'·53N., 68° 58'·33E.	7705 (INT 705)
AD08/ OB	12° 04'·05N., 68° 37'·58E.	7703 (INT 703), 7705 (INT 705)
AD09/ OB	08° 10'·59N., 73° 17'·54E.	22 (INT 752), 273
AD10/ OB	10°19'·18N., 72° 35'·14E.	22 (INT 752), 273, 268 (INT 7353)
CB02/ CB	10° 52'·26N., 72° 12'·32E.	22 (INT 752), 268 (INT 7353), 273, 2047
CALVAL/ MB	10° 36'·51N., 72° 17'·27E.	22 (INT 752), 273, 268 (INT 7353)

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 INM 089(T)/19 is cancelled.****\*125(T) (09/19) 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'·29N., 89° 14'·90E	31(INT 756)
BD09/ OB	17° 29'·59N., 89° 07'·00E	31(INT 756)
BD10/ OB	16° 21'·42N., 87° 59'·25E	31(INT 756)
BD11/ OB	13° 30'·50N., 84° 11'·40E	32 (INT 754), 33 (INT 755), 391
BD12/ OB	10° 30'·55N., 94° 04'·26E	33 (INT 755), 41(INT 757), 472 (INT 7032)
BD13/ OB	13° 59'·24N., 86° 59'·49E	33 (INT 755)
BD14/ OB	06° 34'·14N., 88° 14'·00E	33 (INT 755)
CB 01/ CB	11° 35'·20N., 92° 35'·46E	33 (INT 755), 41 (INT 757), 473 (INT 7031), 404 (INT 7439), 405 (INT 7440), 4115
CB 06/ CB	13° 06'·03N., 80° 19'·01E	32 (INT 754), 33 (INT 754), 356 (INT 7400), 357 (INT 7397), 391, 313, 3001 (INT 7402), 3004(INT 7403)
TB09/ TB	17° 03'·17N., 90° 00'·13E	31(INT 756)
TB09/ TB	10° 15'·25N., 88° 30'·36E	33 (INT 755)
STB01/ TB	06° 15'·00N., 88° 48'·00E	33 (INT 755)
STB01/ TB	03° 48'·36N., 91° 42'·00E	7071 (INT 71)
Wave Rider	13° 05'·56N., 80° 18'·58E	32 (INT 754), 33 (INT 754), 356 (INT 7400), 357 (INT 7397), 391, 313, 3001 (INT 7402), 3004(INT 7403)

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 INM 090(T)/19 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:-

<b>INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz</b>								
Sl.	Station Name	B1	Broad Cast Timings in UTC					
(a)	Veraval	H	0110	0510	0910	1310	1710	2110
(b)	Vengrula 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 crew 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 for the above have been published in the fortnightly Indian Notices to Mariners Edition No 07 of 2018(01<sup>st</sup>April 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/ IRRIDUM 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 Insrtuments</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>IIC 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> <a href="mailto:sanjeev.sharma@iictechnologies.com">sanjeev.sharma@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 Apr 19:-

<b>2017 SERIES</b> – 394 685 762 814 866
<b>2018 SERIES</b> – 222 312 375 428 471 567 661 758 818
<b>2019 SERIES</b> – 024 088 115 121 169 199 220 231 259 282 287 289 308 311 318 322 328 329 335 338 347 349 360 364 365 366 367 368 369 370 371 372 375 376 377 378 379 380 381 382

3. NAVAREA VIII Warnings issued during the period from 16 Apr 19 to 30 Apr 19 (both dates inclusive) are as tabulated below:-

<b>336. Bay Of Bengal – off Trincomalee.</b> Chart IN 33(INT 755). SLFV Sandeepani reported adrift 09-20N 084-20E at 160240 UTC Apr 19. 2. Cancel this MSG 190240 UTC Apr 19.
<b>337. India East Coast – off Chennai.</b> Charts IN 356 (INT 7400). Firing by CG Aircraft scheduled on 23, 24, 25 Apr 19 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 Apr 19.
<b>338. India East Coast – off Gopalpur.</b> Charts IN 352 353 (INT 7413). Army Air Defence firing and BPTA flight scheduled on 25, 26, 27, 29, 30 Apr, 01 May 19 from 0130-0830 and 0930-1430 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 011530 UTC May 19.
<b>339. India West Coast- off Veraval.</b> Charts IN 253 (INT 7328) 292. Firing by Naval ships scheduled from 241400 to 251930 UTC Apr 19 in danger area bounded BY 20-45N 069-21E, 20-23N 069-43E, 20-02N 069-20E, 20-24N 068-58E. Wide berth from area advised. 2. Cancel this MSG 252030 UTC Apr 19.
<b>340. NAVAREA VIII warnings in force as on 18 Apr 2019:-</b> <b>2017 SERIES</b> – 394 685 762 814 866 <b>2018 SERIES</b> - 222 312 375 428 471 567 661 758 818 <b>2019 SERIES</b> – 024 088 115 121 129 169 199 209 220 231 234 250 259 270 271 274 275 282 287 289 305 308 310 311 315 316 317 318 322 323 328 329 330 331 332 335 336 337 338 339 (A) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet. (B) Text of NAVAREA viii warnings inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a> . 2. Cancel NAVAREA VIII MSG 325/19 and this MSG 261830 UTC Apr 19.
<b>341. India West Coast. Charts IN 251 254 255 292 INT 71. Rig list:-</b> ACTINIA 19-26.69N 070-58.52E DEEP SEA MATDRILL 19-39.98N 071-35.75E GREAT DRILL CHAAYA 18-41.51N 072-21.21E GREAT DRILL CHAARU 19-13.97N 072-12.32E GREAT DRILL CHETNA 22-49.35N 068-24.86E HARVEY H WARD 18-56.59N 071-38.49E JINDAL SUPREME 19-14.58N 072-14.66E JT ANGEL 19-14.98N 071-28.43E SAGAR GAURAV 19-35.93N 070-57.18E SAGAR KIRAN 18-47.39N 072-30.66E SAGAR RATNA 19-07.35N 072-06.45E SAGAR SHAKTI 20-22.31N 072-18.69E SAGAR UDAY 19-08.42N 070-53.87E TRIDENT II 19-26.84N 071-15.46E TRIDENT XII 18-44.96N 072-20.01E VALIANT DRILLER 18-44.08N 072-18.48E VICTORY DRILLER 19-10.61N 070-57.72E VIRTUE-I 19-15.20N 072-02.17E VIVEKANANDA1 20-08.71N 071-44.94E

<b>341. Continued.</b> VIVEKANANDA2 18-39.23N 070-58.86E NEW 2. Wide berth requested. 3. Cancel NAVAREA VIII MSG 332/19.
<b>342. India West Coast– Gulf of Khambhat.</b> Charts IN 207 INT 7331. Narmada channel buoys 6 relaid and 7, 9 retrieved. 2. Cancel NAVAREA VIII MSG 330/19.
<b>343. North Western Indian Ocean.</b> Charts BA 2968 INT 71. Fishing vessel attacked in 00-57S 048-39E at 210830 UTC Apr 19. Vessels transiting to keep clear of position and exercise caution. 2. Cancel this MSG 241430 Apr 19.
<b>344. India West Coast - off Karwar.</b> Charts IN 257 293 (INT 7022). Firing by Naval ship scheduled on 25 Apr from 0730 to 0830 and 1030 to 1130 UTC, 26 Apr 19 from 0430 to 0530 and 0830 to 0930 UTC in danger area bounded within 14-35N to 14-45N and 072-50E to 073-00E. Wide berth from area advised. 2. Cancel this MSG 261030 UTC Apr 19.
<b>345. India West Coast- off Kochi.</b> Charts IN 221 259 (INT 7356). Live surface and underwater firing scheduled on 25 Apr 19 from 0530 to 1000 UTC in circle of 05 nm from 09-21N 075-46E. wide berth from area advised. 2. Cancel THIS MSG 251100 UTC Apr 19.
<b>346. India West Coast – off Mormugao.</b> Charts IN 214 257 2022 (INT 7345). Firing by Naval Coast Battery scheduled on 26 Apr 19 from 0330 - 0630 UTC in danger sector extending upto 10 nm seaward between bearing 200 and 260 from 15-24.61N 073-47.6E. 2. Wide berth from area advised. 3. Cancel this MSG 260730 UTC Apr 19.
<b>347. Andaman Sea – Nicobar Islands.</b> Charts IN 41 (INT 757) 471 472. Firing practice scheduled from 271100 UTC Apr to 011430 UTC May 19 in danger area bounded by 07-15N 093-30E, 07-14N 094-48E, 08-00N 094-40E, 10-15N 093-18E, 09-29N 092-08E. Wide berth from area advised. 2. Cancel this MSG 011530 UTC may 19.
<b>348. India East Coast.</b> Chart IN 357 (INT 7397). Porto Novo (11-30N 079-46E) NAVTEX transmitter off from 230230 to 251230 UTC Apr 19. 2. Cancel this MSG 251230 UTC Apr 19.
<b>349. India West Coast– Gulf of Khambhat.</b> Charts IN 207 INT 7331. Narmada channel buoys 7 relaid and 2, 9 retrieved. 2. Cancel NAVAREA VIII MSG 342/19.
<b>350. India West Coast - Gulf of Kachchh.</b> Charts IN 203 (INT 7319) 2068. Salaya channel buoys Dhani retrieved, Chandri and Tilburn unlit, fairway buoy (22-30N 069-31E) missing. 2. Cancel NAVAREA VIII MSG 310/19.
<b>351. Cancel NAVAREA VIII MSG 275/19 and this MSG. INTM 100/19 refers.</b>
<b>352. Cancel NAVAREA VIII MSG 209/19 and this MSG.</b>
<b>353. Cancel NAVAREA VIII MSG 234/19 and this MSG.</b>
<b>354. India West Coast – off Daman.</b> Charts IN 254 (INT 7331). SV Polar Marquis progressing seismic survey in area bounded by 20-19.67N 071-52.45E, 20-28.44N 071-52.24E, 20-35.35N 071-59.23E, 20-42.18N 072-13.99E, 20-42.28N 072-20.2E, 20-31.49N 072-14.81E, 20-34.94N 072-24.96E, 20-27.06N 072-26.85E, 20-16.57N 072-26.99E, 20-08.85N 072-05.24E. 2. Vessel towing 10 streamers of 6 km with yellow tail buoy FL 2S. Wide berth of 8 nm ahead and 2 nm astern requested. 3. Cancel NAVAREA VIII MSG 323/19 and this MSG 301830 UTC Apr 19.
<b>355. Andaman Sea – Off Port Blair.</b> Charts IN 405 (INT 7440) 473 4030. Firing by Naval ships scheduled on 28, 29 Apr 19 from 0030 to 1230 UTC in danger area bounded by 11-15N 092-31E, 11-14N 092-46E, 11-10N 092-46E, 11-07N 092-32E. Wide berth from area advised. 2. Cancel this MSG 291330 UTC Apr 19.
<b>356. Bay of Bengal – off Chittagong.</b> Charts INT 756 BA 90. Firing from Faujadarhat range scheduled on 28, 29, 30 Apr 19 from 0100 to 1700 UTC in danger area extending upto 6.8 nm between bearing 330 from 22-23.50N 091-45.33E and 280 from 22-20.75N 091-45.72E. Wide berth from area advised. 2. Cancel this MSG 301800 UTC Apr 19.
<b>357. India East Coast- Chennai.</b> Charts IN 313 3001 (INT 7402). Firing by Naval Coast Battery scheduled on 26 Apr 19 From 0530 to 0730 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 260830 UTC Apr 19.
<b>358. Cancel NAVAREA VIII MSG 317/19 and this MSG.</b>
<b>359. Andaman Sea – off Barren.</b> Charts IN 41 473 (INT 7031). Firing by CG Aircraft scheduled on 29, 30 Apr 19 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 301030 UTC Apr 19.

<b>360.</b>	<b>Andaman Sea – off Port Cornwallis.</b> Chart IN 402(INT 7436). INS Nirupak progressing hydrographic survey in area bounded within 13-06.7N to 13-33N and 093-00E to 093-17.7E. Wide berth from ship and survey boats requested.
2.	Cancel this MSG 251830 UTC May 19.
<b>361.</b>	<b>India West Coast. Charts IN 251 254 255 292 INT 71. Rig list:-</b>
	ACTINIA 19-26.69N 070-58.52E
	DEEP SEA MATDRILL 19-39.98N 071-35.75E
	GREAT DRILL CHAAYA 18-41.51N 072-21.21E
	GREAT DRILL CHAARU 19-13.97N 072-12.32E
	GREAT DRILL CHETNA 22-49.35N 068-24.86E
	HARVEY H WARD 18-56.59N 071-38.49E
	JINDAL SUPREME 19-14.58N 072-14.66E
	JT ANGEL 19-31.28N 071-15.32E NEW
	SAGAR GAURAV 19-35.93N 070-57.18E
	SAGAR KIRAN 18-47.39N 072-30.66E
	SAGAR RATNA 19-07.35N 072-06.45E
	SAGAR SHAKTI 20-22.31N 072-18.69E
	SAGAR UDAY 19-08.42N 070-53.87E
	TRIDENT II 19-26.84N 071-15.46E
	TRIDENT XII 18-44.96N 072-20.01E
	VALIANT DRILLER 18-44.08N 072-18.48E
	VICTORY DRILLER 19-10.61N 070-57.72E
	VIRTUE-I 19-15.20N 072-02.17E
	VIVEKANANDA1 20-08.71N 071-44.94E
	VIVEKANANDA2 18-39.23N 070-58.86E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 341/19.
<b>362.</b>	<b>Andaman Sea – off Nicobar.</b> Charts IN 407 408 409 472(INT 7032). Firing practice scheduled from 290530 to 301000 UTC Apr 19 in danger area bounded by 09-41.16N 093-20.16E, 09-23.56N 092-32.55E, 08-29.41N 093-36.22E, 07-14.02N 093-14.43E, 07-26.42N 094-01.15E, 08-10.14N 094-27.03E, 08-48.52N 094-26.10E. Wide berth from area advised.
2.	Cancel this MSG 301100 UTC Apr 19.
<b>363.</b>	<b>North Indian Ocean.</b> Chart INT 71. Sailing craft Joseph Conrad reported adrift 01-09N 080-19E. Vessels transiting requested to assist.
2.	Cancel this MSG 281830 Apr 19.
<b>364.</b>	<b>India East Coast – Vishakhapatnam.</b> Charts IN 308 3002 INT 7408. firing by Naval Coast Battery scheduled on 01 May 19 from 0001 to 0200 UTC in danger sector extending upto 17 nm between bearing 070 and 130 from 17-42N 083-18E. Wide berth from area advised.
2.	Cancel this MSG 010300 UTC May 19.
<b>365.</b>	<b>India East Coast – off Kakinada.</b> Charts IN 31 (INT 756) 354 391. Firing by Naval ships scheduled from 010030 to 031900 UTC May 19 in danger area bounded by 15-05.5N 083-12.8E, 16-54.5N 084-17.9E, 16-21.2N 085-15.4E 15-26.6N 085-46.6E, 14-24.8N 083-54.6E. Wide berth from area advised.
2.	Cancel this MSG 032000 UT May 19.
<b>366.</b>	<b>Bay Of Bengal - off Bangladesh.</b> Charts IN 31 (INT 756). Firing by Naval ships scheduled from 01 to 30 May 19 except on Friday and Saturday from 0001 to 1600 UTC in danger areas bounded by (A) 21-20.83N 090-34E, 21-41N 091-14E, 21-20.83N 091-28E, 21-00N 090-47.83E (B) 20-07N 090-52E, 20-22N 091-06E, 20-00N 091-36E, 19-44N 091-21E (C) 20-22N 091-06E, 20-46.5N 091-31E, 20-24N 091-59E, 20-00N 091-36E (D) 21-18N 089-31E, 21-18N 089-50E, 21-04N 089-54E, 21-04N 089-34E (E) 20-58N 089-34E, 20-58N 089-54E, 20-34N 089-54E, 20-34N 089-34E. Wide berth from area advised.
2.	Cancel this MSG 301700 UTC May 19.
<b>367.</b>	<b>India West Coast.</b> Charts IN 223 INT 752. Muttam Pt (08-07N 077-19E) NAVTEX transmitter off from 290430 UTC Apr to 011230 UTC May 19.
2.	Cancel this MSG 011330 UTC May 19.
<b>368.</b>	<b>Andaman Sea – Keating Point.</b> Charts IN 407 (INT 7445). DGPS (09-15N 092-46E) off from 30 Apr 19.
<b>369.</b>	<b>India West Coast – off Mumbai.</b> Charts IN 211 INT 7334. New Lt installed on Arnala lighthouse (19-27N 072-45E) FL 3 15S 25 nm on trial basis.
<b>370.</b>	<b>India West Coast. Charts IN 251 254 255 292 INT 71. Rig list:-</b>
	ACTINIA 19-26.69N 070-58.52E
	DEEP SEA MATDRILL 19-39.98N 071-35.75E
	GREAT DRILL CHAAYA 18-41.51N 072-21.21E
	GREAT DRILL CHAARU 19-13.97N 072-12.32E
	GREAT DRILL CHETNA 22-49.35N 068-24.86E
	HARVEY H WARD 18-56.59N 071-38.49E
	JINDAL SUPREME 19-14.58N 072-14.66E
	JT ANGEL 19-31.28N 071-15.32E

<b>370. Continued.</b>	
RON TAPMEYER	18-08.49N 072-22.08E NEW
SAGAR GAURAV	19-35.93N 070-57.18E
SAGAR KIRAN	18-47.39N 072-30.66E
SAGAR RATNA	19-07.35N 072-06.45E
SAGAR SHAKTI	20-22.31N 072-18.69E
SAGAR UDAY	19-08.42N 070-53.87E
TRIDENT II	19-26.84N 071-15.46E
TRIDENT XII	18-44.96N 072-20.01E
VALIANT DRILLER	18-44.08N 072-18.48E
VICTORY DRILLER	19-10.61N 070-57.72E
VIRTUE-I	19-15.20N 072-02.17E
VIVEKANANDA1	20-08.71N 071-44.94E
VIVEKANANDA2	18-39.23N 070-58.86E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 361/19.
<b>371. NAVAREA VIII warnings in force as on 26 Apr 2019:-</b>	
	<b>2017 SERIES</b> – 394 685 762 814 866
	<b>2018 SERIES</b> - 222 312 375 428 471 567 661 758 818
	<b>2019 SERIES</b> – 024 088 115 121 129 169 199 220 231 259 270 271 274 282 287 289 308 311 316 318 322 328 329 331 335 338 347 349 350 354 355 356 359 360 362 363 364 365 366 367 368 369 370
(A)	NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.
(B)	Text OF NAVAREA VIII warnings inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a>
2.	Cancel this MSG 031830 UTC May 19.
<b>372. India West Coast – Gulf Of Kachchh.</b>	Chart IN 2083 (INT 7339). Pipe laying vessel Sapura 2000 progressing jetty construction in area bounded by 22-30.44N 069-50.08E, 22-29.27N 069-51.53E, 22-28.90N 069-51.19E, 22-30.07N 069-49.74E. Wide berth of 5 nm requested.
2.	Cancel this MSG 151830 UTC Sep 19.
<b>373. India East Coast – off Chennai.</b>	Chart IN 313 INT 7400. Cable ship Asean Restorer progressing operations in area bounded by 12-57.66N 080-24.61E, 12-51.67N 080-35.49E, 12-50.33N 080-34.69E, 12-56.56N 080-23.89E. Wide berth requested.
2.	Cancel NAVAREA VIII MSG 316/19 and this MSG 301830 UTC Apr 19.
<b>374. NW Indian Ocean.</b>	Chart INT 71. Special buoy of 10 metres reported adrift 03-34N 056-40E at 270300 UTC Apr 19.
2.	Cancel this MSG 300300 UTC Apr 19.
<b>375. NW Indian Ocean.</b>	Chart INT 71. Special buoy reported adrift 03-23N 056-11E AT 281300 UTC Apr 19.
2.	Cancel NAVAREA VIII MSG 374 and this MSG 011300 UTC May 19.
<b>376. Indian Ocean - Off Port Louis.</b>	Chart IN 2514 (INT 7739). Fishing vessel Diego Star3 reported sunk 20-09.13S 057-28.02E. Wide berth advised.
<b>377. India West Coast – Kochi.</b>	Charts IN 220 2029 (INT 7358). Firing from Naval Coast Battery scheduled on:-
	DATE TIME (UTC)
	03 MAY 19 0900-1200, 1230-1430
	07 MAY 0900-1200
	10 MAY 0900-1200, 1230-1430
	14 MAY 0900-1200
	17 MAY 0900-1200, 1230-1430
	21 MAY 0900-1200
	24 MAY 0900-1200, 1230-1430
	28 MAY 0900-1200
	31 MAY 0900-1200, 1230-1430
2.	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.
3.	Cancel this MSG 311530 UTC May 19.
<b>378. Andaman Sea – Off Port Blair.</b>	Chart IN 4006 (INT 7449). Anchor chain cable of floating dock post unmooring on 01 May 19 will be marked with buoys. Wide berth from danger area bounded within 11-40.46N to 11-40.55N and 092-42.70E to 092-42.73E advised.
<b>379. India West Coast - Gulf Of Kachchh.</b>	Charts IN 203 (INT 7319) 2068. Salaya channel buoys Dhani relaid, Tilburn retrieved, Chandri unlit, fairway buoy (22-30N 069-31E) missing.
2.	Cancel NAVAREA VIII MSG 350/19.
<b>380. India West Coast - Off Mormugao.</b>	Chart IN 2022 (INT 7345). Barge Dattaram 1 reported sunk 15-27.26N 073-44.29E at 291630 UTC APR 19. Wide berth advised.
<b>381. India East Coast. Charts IN 355 (INT 7405). Rig list:-</b>	
	ABAN II 16-39.01N 082-22.73E

<b>381.</b>	<b>Continued.</b>	
	DEEP DRILLERS	16-40.09N 082-25.43E
	DDKG1	16-10.24N 082-34.90E
	ESSAR WILDCAT	16-18.41N 082-12.33E
	SSV LOUISIANA	16-19.56N 082-21.06E
	OLINDA STAR	16-19.21N 082-16.33E
	DSR PLATINUM EXPLORER	16-21.97N 082-20.70E NEW
2.	Wide berth requested.	
3.	Cancel NAVAREA VIII MSG 331/19.	
<b>382.</b>	<b>India West Coast – Off Mumbai.</b>	Charts IN 292 (INT 7021) 256. SV Fugro Mapper progressing survey at
	18-08.15N 072-25.28E, 18-18.09N 072-14.55E, 18-39.31N 070-58.87E, 18-34.39N 071-21.76E, 18-52.52N 071-25.35E,	
	19-21.86N 071-12.65E, 19-13.88N 072-08.08E, 18-43.44N 072-20.31E, 18-55.59N 072-02.48E, 19-10.07N	
	071-46.56E, 20-18.75N 072-02.13E. Wide berth requested.	
2.	Cancel this MSG 101830 UTC Jun 19.	

## SECTION – VI

### CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

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

##### Chapter - 8 (Page 327)

(Source: ROS INS Sutlej)

Article 8.162, heading, para 1, line 1&4, para 2, line 2, para 4, line 2, delete text 'Sultanpur' and replace by 'Sartanpar'

#### Chapter - 10 (Page 385, 386, 387)

Article 10.33, para1, delete line 5-8 and replace by

Ahsan Channel to B1 and B2	15.3 m
B1 and B2 Ahsan Channel to OICT-2	14.0 m
PGPCL	13.5 m
OICT-2	15.0 m
OICT-1	13.5 m
Marginal Wharf	11.0 m
Marginal Wharf to PQEPCT	13.0 m
PQEPCT	15.5 m

Article 10.47, para 4, delete line 4-6 and replace by

channel should be followed to Kardio creek to the vicinity of the emergency anchorage 24° 45'.70N, 67°19'.71E and turning basin S of OICT - 2.

Insert new article after article 10.48, para 6, line 2

#### **Gharo Creek**

##### **10.48a**

1 **Leading marks:**

Front beacon (24°46'.77N 67°22'.61E).  
Rear beacon (6½ cables from front beacon).

2 From a position in the vicinity of the emergency anchorage (24°45'.70N 67°19'.71E), the alignment (067°) of these beacons leads through a dredged channel, marked by beacons and light buoys (lateral), to a turning basin, marked by light buoys (special), close S of the PQEPCT.

Insert new article after article 10.51, para 2, line 4

#### **Pakistan Gasport LNG Import Terminal (PGPCL)**

##### **10.51a**

1 The FSRU *BW Integrity* is moored alongside the terminal (24°46'.50N 67°17'.26E) and is supplied by feeder ships. The terminal can handle vessels with a maximum LOA of 13.5 m and a draught of 11.9 m.

Insert new article after article 10.58, para 1, line 4

#### **Port Qasim Electric Power Company Terminal (PQEPCT)**

##### **10.58a**

1 The terminal (24°46'.77N 67°22'.25E) serves the power station, handling coal. The jetty is 210 m in length and can accommodate vessels with a draught of 12.0 m feeder ships. The terminal can handle vessels with a maximum LOA of 13.5 m and a draught of 11.9 m.

Article 10.59, delete and replace by

#### **Anchorage and moorings**

##### **10.59**

1 **Anchorage.** An emergency anchorage lies S of OICT-2, in the vicinity of 24°45'.70N 67°19'.71E.

2 **Moorings.** Two mooring buoys lie in a prohibited anchorage area on the SE side of the channel towards the NE end of Phitti Creek, SE of P2 Light Buoy (port hand) (24°44'.49N 67°10'.17E).



**SECTION – VII**  
**CORRECTIONS TO LIST OF LIGHTS**

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D7033	Ile Juan de Nova. W Side	17 02.92 S 42 42.60 E	Fl R 4s	38	8	Grey pylon 27	<i>fl 1.</i> Partially obscured by vegetation. <b>TE 2019</b>
F0387.5	- Dalda Bandar	* 22 26.87 N 69 04.37 E	Fl(2)W 5s	5	1	Concrete structure On submerged rock 5	<i>fl 0.5, ec 1.0, fl 0.5, ec 3.0</i> <b>TE 2019</b> *
F0472	Remove from list; deleted						
F1054	Kutubdia Island	21 51.90 N 91 50.54 E	Fl(3)W 10s	54	20	Red and white <input type="checkbox"/> on metal framework tower	
-	-	..	Racon	..	..	..	ILRS Vol 2 Station 79300 *

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

**INP 31(1), 2014**

*(Last correction: Edition No. 15 dated 01 Aug 2018)*

NIL

**INP 31(2), 2014**

*(Last correction: Edition No.07 dated 01 Apr 2019)*

**PAGE 82, TABLE 2**

*Insert below 17 Jan 2019*

0 hours	3 Apr 2019	-0.2 seconds	09/19
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*(Source: BA 17/19)*

*(09/19)*

**NP 31(5), 2017**

*( Last correction: Edition No. 23 dated 1 Dec 2018)*

NIL

**INP 31(6), 2018**

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.

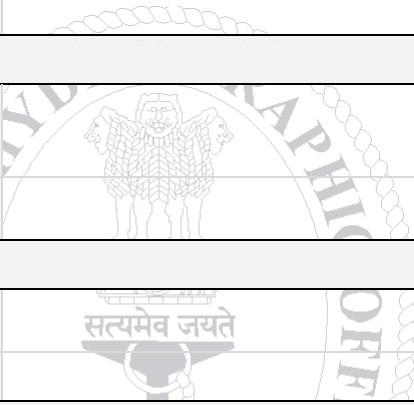
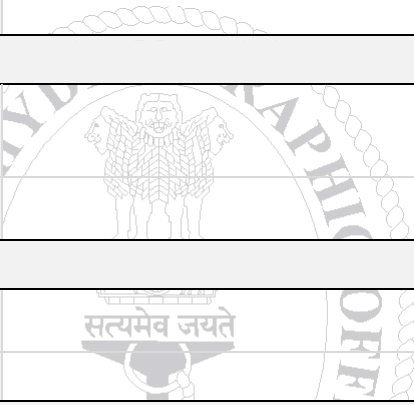
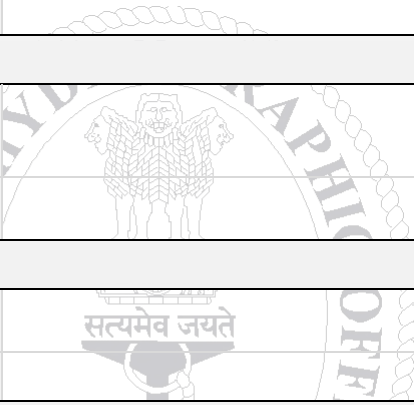
**Please Note:** - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further, 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, ENCs 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: [indsar@vsnl.net](mailto:indsar@vsnl.net)**

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

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

**AFTN: VABBYXYC**