



# INDIAN NOTICES TO MARINERS



EDITION NO. 10 DATED 16 MAY 2018

(CONTAINS NOTICES 093 TO 098)

REACH US 24 x 7



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(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 . SI Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

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

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

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

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

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

**Radio Navigational Warnings.**

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

## IV

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

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

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

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

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

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

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

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

## NEWLY PUBLISHED INDIAN CHARTS, ENC'S AND PUBLICATION

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

| <i>Chart No.</i>   | <i>Date of Publication</i> | <i>Title, Limits &amp; Description</i>                                                                                | <i>Scale</i> | <i>Folio</i> | <i>Price</i> |
|--------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|
| 3006<br>(INT 7423) | 31-12-2017                 | <b>HUGLI RIVER – KUKRAHATI REACH TO KOLKATA DOCKS</b>                                                                 |              | 5            | Rs. 1950.00  |
|                    |                            | <b>KUKRAHATI REACH TO ROYAPUR CROSSING</b><br><b>LIMITS</b><br>22° 11'.00N; 88° 03'.00E.<br>22° 23'.80N; 88° 08'.50E. | 37,500       |              |              |
|                    |                            | <b>ROYAPUR CROSSING TO KOLKATA DOCKS</b><br><b>LIMITS</b><br>22° 22'.30N; 88° 05'.40E.<br>22° 35'.10N; 88° 21'.20E.   | 37,500       |              |              |
|                    |                            | <b>KOLKATA DOCKS</b><br><b>LIMITS</b><br>22° 31'.70N; 88° 15'.90E.<br>22° 35'.20N; 88° 21'.20E.                       | 17,500       |              |              |

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

| <i>Chart No.</i>  | <i>Date of Publication</i> | <i>Title, Limits &amp; Description</i>                                                                               | <i>Scale</i> | <i>Folio</i> | <i>Price</i> |
|-------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|
| 21                | 15-04-2018                 | <b>MUSCAT TO MUMBAI</b><br><b>LIMITS</b><br>17° 30'.00N; 58° 15'.00E.<br>25° 47'.20N; 73° 29'.00E.                   | 15,00,000    | 2            | Rs. 1950.00  |
| 22<br>(INT 752)   | 15-04-2018                 | <b>MUMBAI TO CAPE COMORIN</b><br><b>LIMITS</b><br>06° 00'.00N; 69° 10'.00E.<br>19° 30'.00N; 78° 00'.00E.             | 15,00,000    | 3            | Rs. 1950.00  |
| 211               | 15-04-2018                 | <b>SATPATI TI DIGHI HARBOUR</b><br><b>LIMITS</b><br>18° 11'.00N; 72° 08'.00E.<br>19° 44'.50N; 73° 02'.00E.           | 1,50,000     | 3            | Rs. 1950.00  |
| 212               | 15-04-2018                 | <b>MURUD–JANJIRA HARBOUR TO RATNAGIRI</b><br><b>LIMITS</b><br>16° 52'.00N; 72° 25'.50E.<br>18° 25'.00N; 73° 19'.50E. | 1,50,000     | 3            | Rs. 1950.00  |
| 253<br>(INT 7328) | 15-04-2018                 | <b>VERAVAL TO PIPAVAV</b><br><b>LIMITS</b><br>19° 25'.50N; 68° 49'.40E.<br>21° 07'.58N; 71° 35'.00E.                 | 3,00,000     | 2            | Rs. 1950.00  |
| 256               | 15-04-2018                 | <b>MURUD–JANJIRA HARBOUR TO MALVAN</b><br><b>LIMITS</b><br>15° 50'.00N; 71° 51'.50E.<br>18° 29'.00N; 73° 38'.00E.    | 3,00,000     | 3            | Rs. 1950.00  |
| 293<br>(INT 7022) | 15-04-2018                 | <b>MUMBAI TO NEW MANGALORE</b><br><b>LIMITS</b><br>12° 44'.00N; 70° 20'.00E.<br>19° 30'.00N; 75° 00'.00E.            | 7,50,000     | 3            | Rs. 1950.00  |

**VI**

|                            |                   |                                                                                                          |               |          |                    |
|----------------------------|-------------------|----------------------------------------------------------------------------------------------------------|---------------|----------|--------------------|
| <b>2016<br/>(INT 7336)</b> | <b>15-04-2018</b> | <b>INNER APPROACHES TO MUMBAI<br/>LIMITS<br/>18° 42'.00N; 72° 26'.50E.<br/>19° 02'.70N; 73° 00'.00E.</b> | <b>60,000</b> | <b>3</b> | <b>Rs. 1950.00</b> |
|----------------------------|-------------------|----------------------------------------------------------------------------------------------------------|---------------|----------|--------------------|

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> |
|--------------------|----------------------------|------------------------------------------------|---------------------------------------------|----------------------------|
| 21                 | 29-02-2004                 | MUSCAT TO MUMBAI                               | 21                                          | 15-04-2018                 |
| 22<br>(INT 752)    | 29-02-2004                 | MUMBAI TO CAPE COMORIN                         | 22<br>(INT 752)                             | 15-04-2018                 |
| 211                | 31-07-2013                 | SATPATI TI DIGHI HARBOUR                       | 211                                         | 15-04-2018                 |
| 212                | 31-08-2003                 | MURUD-JANJIRA HARBOUR TO RATNAGIRI             | 212                                         | 15-04-2018                 |
| 253<br>(INT 7328)  | 31-03-2013                 | VERAVAL TO PIPAVAV                             | 253<br>(INT 7328)                           | 15-04-2018                 |
| 256                | 31-08-2001                 | MURUD-JANJIRA HARBOUR TO MALVAN                | 256                                         | 15-04-2018                 |
| 293<br>(INT 7022)  | 15-02-2004                 | MUMBAI TO NEW MANGALORE                        | 293<br>(INT 7022)                           | 15-04-2018                 |
| 2016<br>(INT 7336) | 15-04-2017                 | INNER APPROACHES TO MUMBAI                     | 2016<br>(INT 7336)                          | 15-04-2018                 |
| 3006               | 30-09-2006                 | HUGLI RIVER – KUKRAHATI REACH TO KOLKATA DOCKS | 3006                                        | 15-04-2018                 |
|                    |                            | KUKRAHATI REACH TO ROYAPUR CROSSING            |                                             |                            |
|                    |                            | ROYAPUR CROSSING TO KOLKATA DOCKS              |                                             |                            |
|                    |                            | KOLKATA DOCKS                                  |                                             |                            |

4. 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> |
|----------------------|------------------|------------------------------------|-------------------|
| IN3211SM             | 211              | SATPATI TI DIGHI HARBOUR           | 09-05-2018        |
| IN3212MR             | 212              | MURUD-JANJIRA HARBOUR TO RATNAGIRI | 11-05-2018        |
| IN2253EP             | 253              | VERAVAL TO PIPAVAV                 | 07-05-2018        |
| IN2254AK             | 254              | APPROACHES TO GULF OF KHAMBHAT     | 07-05-2018        |
| IN2255MU             | 255              | APPROACHES TO MUMBAI               | 07-05-2018        |
| IN2256MM             | 256              | MURUD-JANJIRA HARBOUR TO MALVAN    | 11-05-2018        |
| IN2292MD             | 292              | DWARKA TO MUMBAI                   | 07-05-2018        |

## VII

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> |
|----------------------|------------------|------------------------------------|-------------------|
| IN3211SM             | 211              | SATPATI TI DIGHI HARBOUR           | 27-02-2015        |
| IN3212MR             | 212              | MURUD-JANJIRA HARBOUR TO RATNAGIRI | 15-02-2016        |
| IN2253EP             | 253              | VERAVAL TO PIPAVAV                 | 16-05-2016        |
| IN2254AK             | 254              | APPROACHES TO GULF OF KHAMBHAT     | 27-07-2016        |
| IN2255MU             | 255              | APPROACHES TO MUMBAI               | 09-09-2015        |
| IN2256MM             | 256              | MURUD-JANJIRA HARBOUR TO MALVAN    | 30-03-2012        |
| IN2292MD             | 292              | DWARKA TO MUMBAI                   | 19-05-2016        |

6. The forthcoming Indian Charts are as follows:-

| <i>Chart No</i> | <i>Title</i>                    | <i>Scale</i> | <i>Remarks</i> |
|-----------------|---------------------------------|--------------|----------------|
| 210             | UMARGAM TO SATPATI              | 1,50,000     | New Edition    |
| 220             | TANUR NAGARAM TO MANAKKODAM     | 1,50,000     | New Chart      |
| 221             | ALLEPPEY TO QUILON              | 1,50,000     | New Chart      |
| 254 (INT 7331)  | APPROACHES TO GULF OF KHAMBHAT  | 3,00,000     | New Edition    |
| 255 (INT 7334)  | APPROACHES TO MUMBAI            | 3,00,000     | New Edition    |
| 292 (INT 7021)  | DWARKA TO MUMBAI                | 7,50,000     | New Edition    |
| 351 (INT 7419)  | PARADIP TO PUSSUR RIVER         | 3,00,000     | New Chart      |
| 2043            | APPROACHES TO VENGURLA AND REDI | 60,000       | New Chart      |
| 3009 (INT 7407) | KAKINADA PORT                   | 10,000       | New Chart      |
|                 | KAKINADA ANCHORAGE              | 25,000       |                |
| 4107            | INTERVIEW ISLAND                | 25000        | New Chart      |

## VIII

### 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:

|                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>United Kingdom Hydrographic Office</b><br>Admiralty Way, Taunton, Somerset<br>TA1 2DN, UK<br>Tel: +44 (0) 1823 337900<br>Fax: +44 (0) 1823 330561, 1823 284077<br>Web site: <a href="http://www.hydro.gov.uk">www.hydro.gov.uk</a>                                                 | <b>C-MAP Norway AS</b><br>Nyaskaiveien 2, 4379 Egersund, Norway<br>Ph: +47 51 464700, +91 2262233326<br>Mob: +91 9820238542<br>Fax: +47 51 464701, +91 2267939504<br>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><br>Website: <a href="http://www.c-map.com">www.c-map.com</a>    |
| <b>M/s Primar</b><br>Norwegian Hydrographic Service,<br>Postbox 60,<br>4001 Stavanger<br>Norway<br>Telephone - +47 - 51 85 87 00<br>Fax - + 47 - 51 85 87 08<br>E-mail: <a href="mailto:data@ecc.no">data@ecc.no</a><br>Website: - <a href="http://www.primar.org">www.primar.org</a> | <b>M/s IIC Technologies Limited</b><br>B-2-350/5/B-22, Road No. 3<br>Banjara Hills<br>Hyderabad - 500 034<br>Telangana<br>Tel:+91 4039144444<br>Fax: +91 4039144455<br>Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a><br>Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a> |





**SECTION – I**

The list of charts affected by the Notices 093 to 098 contained in this edition is as follows:

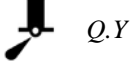
| <b>CHART NUMBER</b> | <b>FOLIO NO.</b> | <b>NOTICE NO.</b> |
|---------------------|------------------|-------------------|
| 32 (INT 754)        | 5                | 096               |
| 208                 | 2                | 098(T)            |
| 209                 | 3                | 098(T)            |
| 211                 | 3                | 093               |
| 217                 | 4                | 094               |
| 254 (INT 7331)      | 3                | 098(T)            |
| 258 (INT 7348)      | 4                | 094               |
| 262 (INT 7365)      | 5                | 095               |
| 272                 | 4                | 094               |
| 293 (INT 7022)      | 3                | 094               |
| 315                 | 5                | 096               |
| 316                 | 5                | 096               |
| 352 (INT 7416)      | 5                | 097               |
| 357 (INT 7397)      | 5                | 096               |
| 358 (INT 7394)316   | 5                | 096               |
| 2015 (INT 7337)     | 3                | 093               |
| 2016 (INT 7336)     | 3                | 093               |
| 2044                | 2                | 098(T)            |
| 2076 (INT 7338)     | 3                | 093               |
| 2101 (INT 7347)     | 3                | 098(T)            |
| 2359 (INT 7350)     | 4                | 094               |
| 3010 (INT 7418)     | 5                | 097               |
| 3041                | 5                | 097               |

**SECTION – II****PERMANENT NOTICES****\*093 (10/18) INDIA – WEST COAST – Port of Mumbai – Beacons.**

Source: HSU Mumbai.

**Chart 2015 (INT 7337) [previous update 080/18]**

Insert



Q.Y

18° 58′.38N., 72° 54′.18E.

**Chart 2076 (INT 7338) [previous update 100/17]**

Insert



Q.Y

18° 58′.38N., 72° 54′.18E.



Fl.2s

18° 58′.38N., 72° 55′.31E.

**Chart 2016 (INT 7336) [previous update 080/18]**

Insert



Q.Y

18° 58′.38N., 72° 54′.18E.



Fl.2s

18° 58′.38N., 72° 55′.31E.

**Chart 211 [previous update 075/18]**

Insert



Q.Y

18° 58′.38N., 72° 54′.18E.



Fl.2s

18° 58′.38N., 72° 55′.31E.

**\*094 (10/18) INDIA – WEST COAST – Approaches to Port of New Mangalore – Wrecks.**

Source: INS Makar.

**Chart 293 (INT 7022) [previous update 075/18]**

Insert



12° 48′.40N., 74° 48′.07E.

Delete



PA

13° 01′.06N., 74° 44′.45E.



Masts

12° 48′.80N., 74° 44′.69E.



12° 48′.39N., 74° 48′.94E.

12° 48′.08N., 74° 44′.95E.

**Chart 272 [previous update 033/18]**

Insert



12° 48′.40N., 74° 48′.07E.

Delete



PA

13° 01′.06N., 74° 44′.45E.

12° 48′.39N., 74° 48′.94E.

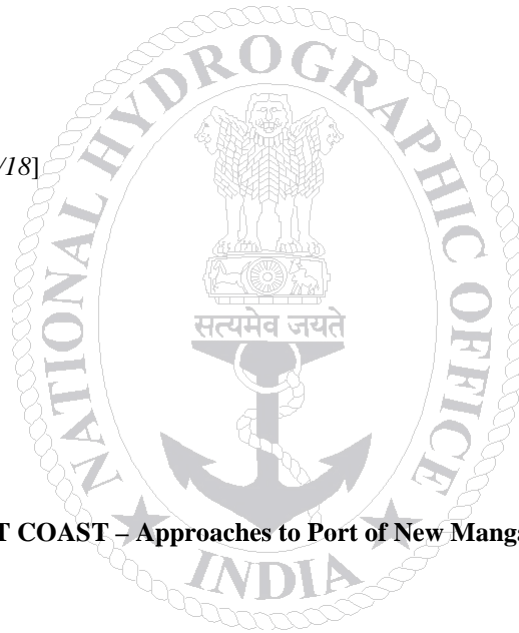


Masts


12° 48′.80N., 74° 44′.69E.



12° 48′.08N., 74° 44′.95E.



**\*000 (10/18) INDIA – WEST COAST – Approaches To Port Of New Mangalore – Wrecks. (Continued)****Chart 258 (INT 7348) [previous update 033/18]**

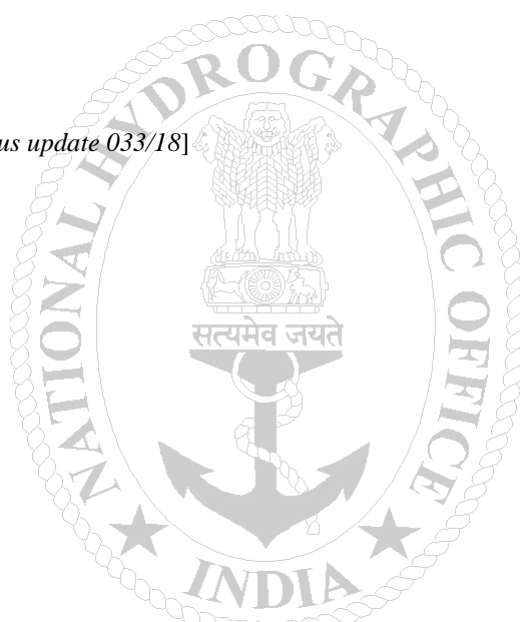
|        |                                                                                         |                            |
|--------|-----------------------------------------------------------------------------------------|----------------------------|
| Insert |        | 12° 48'·40N., 74° 48'·07E. |
| Delete |  PA    | 13° 01'·06N., 74° 44'·45E. |
|        |  Masts | 12° 48'·80N., 74° 44'·69E. |
|        |        | 12° 48'·39N., 74° 48'·94E. |
|        |                                                                                         | 12° 48'·08N., 74° 44'·95E. |

**Chart 217 [previous update 033/18]**

|        |                                                                                         |                            |
|--------|-----------------------------------------------------------------------------------------|----------------------------|
| Insert |        | 12° 48'·33N., 74° 48'·12E. |
| Delete |  PA    | 13° 00'·99N., 74° 44'·50E. |
|        |  Masts | 12° 48'·73N., 74° 44'·74E. |
|        |        | 12° 48'·32N., 74° 48'·99E. |
|        |                                                                                         | 12° 48'·01N., 74° 45'·00E. |

**Chart 2359 (INT 7350) [previous update 033/18]**

|        |                                                                                           |                            |
|--------|-------------------------------------------------------------------------------------------|----------------------------|
| Insert |         | 12° 48'·40N., 74° 48'·07E. |
| Delete |  PA    | 13° 01'·06N., 74° 44'·45E. |
|        |  Masts | 12° 48'·80N., 74° 44'·69E. |
|        |        | 12° 48'·39N., 74° 48'·94E. |
|        |                                                                                           | 12° 48'·08N., 74° 44'·95E. |

**\*095 (10/18) INDIA AND SRI LANKA – Gulf of Mannar – Cape Comorin to Pamban – Tower.**

Source: IH-102, INS Sutlej

**Chart 262 (INT 7365) [previous update 039/18]**

|        |                                                                                           |                              |
|--------|-------------------------------------------------------------------------------------------|------------------------------|
| Insert |  (307) | 09° 17'·50N., 79° 18'·3k,0E. |
|--------|-------------------------------------------------------------------------------------------|------------------------------|

**\*096/(10/18) INDIA – WEST COAST – Navlakhi and Approaches – Racon.**

Source: IH-102, ICGS Rani Durgavati.

**Chart 32 (INT 754) [previous update 051/18]**

|        |                                                                                           |                            |
|--------|-------------------------------------------------------------------------------------------|----------------------------|
| Delete |  Racon | 10° 17'·31N., 79° 52'·00E. |
|--------|-------------------------------------------------------------------------------------------|----------------------------|

**Chart 357 (INT 7397) [previous update 037/17]**

|        |                                                                                           |                            |
|--------|-------------------------------------------------------------------------------------------|----------------------------|
| Delete |  Racon | 10° 17'·31N., 79° 52'·00E. |
|--------|-------------------------------------------------------------------------------------------|----------------------------|

**Chart 358 (INT 7394) [previous update 034/17]**

|        |                                                                                           |                            |
|--------|-------------------------------------------------------------------------------------------|----------------------------|
| Delete |  Racon | 10° 17'·30N., 79° 52'·12E. |
|--------|-------------------------------------------------------------------------------------------|----------------------------|

**\*096/(10/18) INDIA – WEST COAST – Navlakhi and Approaches – Racon. (Continued)****Chart 316** [previous update 038/15]Delete  Racon 10° 17'.45N., 79° 52'.00E.**Chart 315** [previous update 038/15]Delete  Racon 10° 17'.32N., 79° 52'.20E.**\*097(10/18) INDIA – EAST COAST –Paradip Port – Submarine Pipeline, Anchorage Area and Anchoring Prohibited Area.**

Source: Paradip Port Trust.

**Chart 352 (INT 7416)** [previous update 097/17]Insert Submarine pipe line, , joining (a) 20° 13'.97N., 86° 36'.60E. (shore)  
20° 12'.28N., 86° 38'.21E.

(b) 20° 04'.99N., 86° 43'.56E.

and

(a) above

20° 12'.36N., 86° 38'.28E.

(b) above

and

20° 04'.70N., 86° 41'.50E.

(b) above

20° 06'.29N., 86° 45'.64E.

(c) 20° 11'.95N., 86° 41'.23E.

20° 10'.17N., 86° 43'.39E.

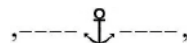
20° 11'.25N., 86° 44'.27E.

20° 12'.98N., 86° 42'.10E.

(c) above

20° 11'.60N., 86° 42'.80E.

legend "General-1", centered on:

circular limit of anchorage  
area  
centered on :

of radius 01 nm, (d)

20° 10'.40N., 86° 45'.00E.

legend "General-2", centered on:

(d) above

anchoring prohibited area



joining

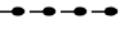


(e) 20° 06'.40N., 86° 46'.90E.

20° 06'.81N., 86° 47'.43E.

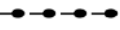

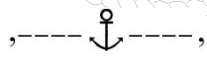
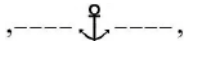
20° 14'.56N., 86° 37'.83E. (shore)



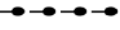
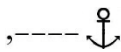

**\*097(10/18) INDIA – EAST COAST –Paradip Port – Submarine Pipeline, Anchorage Area and Anchoring Prohibited Area. (continued)**

|        |                                                                                                                                     |                                                          |
|--------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Delete | Submarine pipe line,  , joining                    | (a) above<br>(b) above                                   |
|        | circular limit of anchorage area,  , centered on : | 20° 11'·60N., 86° 42'·20E.<br>20° 10'·30N., 86° 44'·00E. |
|        | legend “General-1”, centered on:                                                                                                    | 20° 11'·55N., 86° 42'·30E.                               |
|        | legend “General-2”, centered on:                                                                                                    | 20° 10'·20N., 86° 44'·10E.                               |
|        | anchoring prohibited area,  , joining              | (e) above<br>20° 14'·28N., 86° 37'·17E.                  |


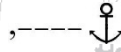
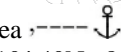


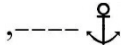
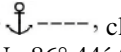
**Chart 3041 [previous update 097/17]**

|        |                                                                                                                                                        |                                                                                                                          |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Insert | Submarine pipe line,  , joining                                       | (a) 20° 13'·97N., 86° 36'·60E. (shore)<br>20° 12'·28N., 86° 38'·21E.                                                     |
|        |                                                                     | (b) 20° 04'·99N., 86° 43'·56E.<br>and<br>(a) above<br>20° 12'·36N., 86° 38'·28E.                                         |
|        |                                                                                                                                                        | (b) above<br>and<br>20° 04'·70N., 86° 41'·50E.<br>(b) above<br>20° 06'·29N., 86° 45'·64E.                                |
|        | limit of anchorage area,  , joining                                 | (c) 20° 11'·95N., 86° 41'·23E.<br>20° 10'·17N., 86° 43'·39E.<br>20° 11'·25N., 86° 44'·27E.<br>20° 12'·98N., 86° 42'·10E. |
|        | legend “General-1”, centered on:                                                                                                                       | (c) above<br>20° 11'·60N., 86° 42'·80E.                                                                                  |
|        | circular limit of anchorage area,  , of radius 01 nm, centered on : | (d) 20° 10'·40N., 86° 45'·00E.                                                                                           |
|        | legend “General-2”, centered on:                                                                                                                       | (d) above                                                                                                                |
|        | anchoring prohibited area,  , joining                               | (e) 20° 06'·40N., 86° 46'·90E.<br>20° 06'·81N., 86° 47'·43E.<br>20° 14'·56N., 86° 37'·83E. (shore)                       |

**\*097(10/18) INDIA – EAST COAST –Paradip Port – Submarine Pipeline, Anchorage Area and Anchoring Prohibited Area. (continued)**

|        |                                                                                                                                    |                                                          |
|--------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Delete | Submarine pipe line,  , joining                   | (a) above<br>(b) above                                   |
|        | circular limit of anchorage area  , centered on : | 20° 11'·60N., 86° 42'·20E.<br>20° 10'·30N., 86° 44'·00E. |
|        | legend “General No 1”, centered on:                                                                                                | 20° 11'·55N., 86° 42'·30E.                               |
|        | legend “General No 2”, centered on:                                                                                                | 20° 10'·20N., 86° 44'·10E.                               |
|        | anchoring prohibited area  , joining              | (e) above<br>20° 14'·28N., 86° 37'·17E.                  |

**Chart 3010 (INT 7418) [previous update 128/17]**

|        |                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Insert | Submarine pipe line,  , joining                                                                                                        | 20° 11'·47N., 86° 38'·80E. (W border)<br>20° 11'·00N., 86° 39'·15E. (S border)<br>and<br>20° 11'·63N., 86° 38'·80E. (W border)<br>20° 11'·00N., 86° 39'·25E. (S border)<br>20° 11'·00N., 86° 42'·40E. (S border)<br>20° 11'·95N., 86° 41'·23E.<br>20° 12'·98N., 86° 42'·10E.<br>20° 11'·25N., 86° 44'·27E.<br>20° 11'·00N., 86° 44'·04E. (S border)<br>20° 11'·60N., 86° 42'·80E. |
|        | limit of anchorage area  , joining                                                                                                   | 20° 11'·00N., 86° 42'·40E. (S border)<br>20° 11'·95N., 86° 41'·23E.<br>20° 12'·98N., 86° 42'·10E.<br>20° 11'·25N., 86° 44'·27E.<br>20° 11'·00N., 86° 44'·04E. (S border)<br>20° 11'·60N., 86° 42'·80E.                                                                                                                                                                            |
|        | legend “General-1”, centered on:                                                                                                                                                                                        | 20° 11'·60N., 86° 42'·80E.                                                                                                                                                                                                                                                                                                                                                        |
|        | circular limit of anchorage area  , clockwise arc of 01 nm radius centered on 20° 10'·40N., 86° 45'·00E. (outside S border), joining | 20° 11'·00N., 86° 44'·15E. (S border)<br>20° 11'·00N., 86° 45'·85E. (S border)<br>20° 11'·17N., 86° 45'·00E.                                                                                                                                                                                                                                                                      |
|        | legend “General-2”, centered on:                                                                                                                                                                                        | 20° 11'·17N., 86° 45'·00E.                                                                                                                                                                                                                                                                                                                                                        |
|        | anchoring prohibited area  , joining                                                                                                 | 20° 13'·80N., 86° 38'·80E. (W border)<br>20° 11'·00N., 86° 42'·28E. (S border)                                                                                                                                                                                                                                                                                                    |
| Delete | Submarine pipe line,  , joining                                                                                                      | 20° 11'·13N., 86° 38'·80E. (W border)<br>20° 11'·00N., 86° 38'·90E. (S border)                                                                                                                                                                                                                                                                                                    |
|        | semi circular limit of anchorage area  , centered on :                                                                               | 20° 11'·60N., 86° 42'·20E.                                                                                                                                                                                                                                                                                                                                                        |
|        | limit of anchorage area  , clockwise arc of 01 nm radius centered on 20° 10'·30N., 86° 44'·00E. (outside S border), joining          | 20° 11'·00N., 86° 43'·28E. (S border)<br>20° 11'·00N., 86° 44'·72E. (S border)                                                                                                                                                                                                                                                                                                    |


**\*097(10/18) INDIA – EAST COAST –Paradip Port – Submarine Pipeline, Anchorage Area and Anchoring Prohibited Area. (continued)**

legend “General 1” , centered on:

20° 11′.63N., 86° 42′.18E.

legend “General 2” , centered on:

20° 11′.05N., 86° 44′.00E.

anchoring prohibited area  joining

20° 12′.96N., 86° 38′.80E. (W border)

20° 11′.00N., 86° 41′.23E. (S border)



**SECTION – III**

**TEMPORARY AND PRELIMINARY NOTICES**

**\*098 (T) (10/18) INDIA – WEST COAST – Approaches to Hazira – Data Buoy.**

Source: Hazira shipping.

1. A yellow coloured data buoy of 2m diameter and 2.5m height of mast with radar reflector & sensors laid in positions 21° 07' 83N., 72° 34' 17E. Characteristic of the buoy is FL.Or.5s. The buoy is laid for approximately four months.
2. All vessels operating in vicinity are to maintain a clearance of 01 NM off the moored buoys.

**Charts affected – 254(INT 7331) – 208 – 209 – 2044 –2101(INT 7347).**





## 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)                                                      | Balasure       | 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, or 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-Sheva harbour 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/ IRRIDIUM 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.

**List of Indian Chart Agents**

|                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>OSA Books and Periodicals</b><br/>R-246, Greater Kailash –I,<br/>New Delhi - 110 048<br/>Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992<br/>Email: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a></p>                                                                                                                                                                                  | <p><b>M/s VDO Marine Insrtuments</b><br/>Shanghar Building, PO Bag No – 645, 45/271,<br/>Corner of Bristow &amp; Naval Road,<br/>Willingdon Island, Kochi – 682 003<br/>Tel: +91 484 2667157 Fax: +91 484 2667121<br/>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><br/>1A, Goa Mansion, Ground Floor,<br/>58, Dr. SunderlalBahl Path (Goa Street),<br/>Fort, Mumbai - 400 001<br/>Tel: 91-22-22626318, 22626380<br/>Fax: 91-22-22621488<br/>Email: <a href="mailto:sales@globalcharts.in">sales@globalcharts.in</a><br/>Web: <a href="http://www.globalcharts.com.sg">www.globalcharts.com.sg</a></p>                   | <p><b>E.W.Liner Charts &amp; Publication (India)</b><br/>2/524, Sandeep Road,<br/>ChinnaNeelangarai,<br/>Chennai - 600041<br/>Tele: +91-44-24490668<br/>Fax: +91-44-24491668<br/>Mob No : +91-9003245348<br/>Email: <a href="mailto:ewl-india@ewliner.com">ewl-india@ewliner.com</a><br/>Web: <a href="http://www.ewliner.com">www.ewliner.com</a></p>                                                                                                        |
| <p><b>M/s C &amp; C Marine Combine</b><br/>25 Bank Street, 1<sup>st</sup> Floor, Fort Mumbai - 400 023<br/>Tel: 91-22- 22660017/0018/0525/1937 Ext: 32<br/>Tel: 91-22-22672143<br/>Fax: 91-22-22670896<br/>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 Engineering Logistics Executive Multi Services</b><br/>Elems Charts,<br/>Door No: 61-4-45-A/4, Prakash Nagar, Malkapuram<br/>Visakhapatnam – 530 011<br/>Mob: +91 9133871827<br/>Email: <a href="mailto:sales@elemscharts.in">sales@elemscharts.in</a><br/>Web: <a href="http://www.elemscharts.in">www.elemscharts.in</a></p>                                                                                                                      |
| <p><b>M/s SVR Chart Agencies</b><br/>Door No.50-81-48/4,<br/>Seetammapeta,<br/>Visakhapatnam – 530 016<br/>Tel/ Fax: 0891-2799471,<br/>Cell: +91-9849120988, 9885797333<br/>Email : <a href="mailto:mahalakshmitravels99@gmail.com">mahalakshmitravels99@gmail.com</a><br/><a href="mailto:mahalakshmitravels@hotmail.com">mahalakshmitravels@hotmail.com</a></p>                                             | <p><b>SMS Marine Private Ltd</b><br/>505, Raheja Arcade, Sector 11, CBD Belapur,<br/>Navi Mumbai – 400 614<br/>Tel: +91-22-62233326, Fax: 022-67939504<br/>Mobile: +91 9820 238 542<br/>Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a> ,<br/><a href="mailto:raj.chakravorty@smsmap.com">raj.chakravorty@smsmap.com</a><br/>Web: <a href="http://www.smsmaps.co.in">www.smsmaps.co.in</a></p>                                                  |
| <p><b>M/s JM Maritime Services</b><br/>24/24C Kavarana Building,<br/>Ground Floor, WadiBunder,<br/>P.D. Mellow Road, Mumbai – 400 009<br/>Tel: +91 22 23736956, Fax: 022 - 23725083<br/>Cell: +91 9820788357<br/>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>M/s Global Marine Infratech Pvt. Ltd.</b><br/>SikshaSandan, Ground Floor, Plot No. ND7, VIP Area,<br/>IRC Village, Bhubaneswar – 751015<br/>Tel: +91-674-2550599, Fax: +91-674-2551899<br/>Cell:- +91-9337477799, 7077702499<br/>Email: <a href="mailto:tusarkantha@gmiindia.in">tusarkantha@gmiindia.in</a><br/>Web: <a href="http://www.gmiindia.in">www.gmiindia.in</a></p>                                                                          |
| <p><b>M/s Lift o Marine</b><br/>Allen’s Mansion, C6, Nungi Station Road,<br/>Bata Nagar, Kolkata – 700 140<br/>Tel: +91 9836972027<br/>Fax: 033 24924283<br/>Email: <a href="mailto:sankar@liftomarine.org">sankar@liftomarine.org</a>, <a href="mailto:liftomarine77@gmail.com">liftomarine77@gmail.com</a><br/>Web: <a href="http://www.liftomarine.org">www.liftomarine.org</a></p>                        | <p><b>L. R. Marine Services</b><br/>301, 3rd Floor, Biryas House,<br/>265, PerinNariman Street, Fort,<br/>Mumbai - 400 001.<br/>Tel: +91-22-2269 1535, Fax: +91-22-66359148<br/>Cell No: +91 8108926880/ +91 98214 60258<br/>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 Zenith Surveys (I) Pvt. Ltd.</b><br/>Lakhani’sPlam View, First Floor,<br/>Office No. 889, Sector 48, Nerul,<br/>Navi Mumbai – 400 706<br/>Tel/ Fax: +91-22- 27708011<br/>Email: <a href="mailto:zenithsurveys703@gmail.com">zenithsurveys703@gmail.com</a><br/><a href="mailto:nyvmane@yahoo.com">nyvmane@yahoo.com</a><br/>Web: <a href="http://www.zenithsurvey.com">www.zenithsurvey.com</a></p> | <p><b>IIC Technologies Limited</b><br/>8-2-350/5/B-22, Road No. 3,<br/>Banjara Hills, Hyderabad – 500 034, Telangana<br/>Tel: +91 40 39144444<br/>Fax: +91 40 39144455<br/>Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a><br/><a href="mailto:sanjeev.sharma@iictechnologies.com">sanjeev.sharma@iictechnologies.com</a><br/>Web: <a href="http://www.iictechnologies.com">www.iictechnologies.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 – 2012.

2. NAVAREA VIII Warnings in force as on 15 May 18:

|                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2017 SERIES</b> – 305 345 394 493685 723 762 814 829 866 872 876                                                                                                                                                |
| <b>2018 SERIES</b> – 028 047 049 056 145 168 185 186 203 222 242 251 255 279 299 301 311 312 314<br>341 342 343 345 346 348 351 356 359 360 361 368 369 370 371 372 374 375 376 377 379 380<br>381 382 383 384 385 |

3. NAVAREA VIII Warnings issued during the period from 01 May 18 to 15 May 18 (both dates inclusive) are as tabulated below:–

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
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| <b>344. Indian Ocean – Off Reunion Island.</b> Charts INT 70 71. Naval gunnery exercise scheduled on 03 May from 0300-1800 UTC, 04 May from 0400-1800 UTC, 05 May 18 from 0800-1200 UTC in area bounded by 21-12S 054-57E, 21-39.02S 054-33.3E, 21-19.3S 054-25.54E, 21-26S 055-02.3E.<br>2. Cancel this MSG 051300 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| <b>345. India West Coast – off Hazira.</b> Charts 21 208 209 254 INT 71. Yellow Midi buoy FL (5)Y20S with 2.5M mast and radar reflector laid 21-07.832N 072-34.169E. Wide berth requested.<br>2. Cancel this MSG 101000 UTC Sep 18.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                          |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| <b>346. India West Coast – Mumbai Port.</b> Charts 21 211 255 292 2015 2016 2076 INT 71. Beacon installed 18-58.38N 072-54.18E and 18-58.38N 072-55.31E .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| <b>347. Cancel NAVAREA VIII 697/17 and this MSG.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| <b>348. Lakshadweep Sea – Androth I.</b> Charts 22 268 273 2007 INT 71. BEACON (10-49.45N 073-40.85E) reported missing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| <b>349. Andaman Sea – off Barren I.</b> Charts 41 473 INT 71. Firing practice by cg aircraft scheduled on 07, 08 May 18 from 0430-0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E.<br>2. Cancel this MSG 081030 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| <b>350. India West Coast – Off Mumbai.</b> Charts 21 211 255 292 293 INT 71. CS Niwa progressing cable repair using ROV in area bounded by 18-56.5N 072-11.7E, 18-58.4N 072-11.7E, 18-59.1N 072-23E, 18-57.5N 072-23E. Wide berth of over 1 nm requested.<br>2. Cancel this MSG 141830 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| <b>351. India East Coast. Charts 355 356 357 INT 71 (.). Rig list:-</b><br><table border="0"> <tr> <td>ABAN ABRAHAM</td> <td>16-13.90N 082-13.70E</td> </tr> <tr> <td>ABAN II</td> <td>16-17.90N 081-52.56E</td> </tr> <tr> <td>DEEP DRILLER 8</td> <td>11-30.10N 079-56.05E</td> </tr> <tr> <td>ESSAR WILDCAT</td> <td>15-19.58N 080-33.30E</td> </tr> <tr> <td>JACK BATES</td> <td>16-25.70N 082-23.43E</td> </tr> <tr> <td>LOUISIANA</td> <td>16-19.70N 082-21.00E NEW</td> </tr> <tr> <td>OLINDA STAR</td> <td>16-24.34N 082-21.12E</td> </tr> <tr> <td>PLATINUM EXPLORER</td> <td>16-18.70N 082-17.80E</td> </tr> <tr> <td>SAGAR RATNA</td> <td>16-22.43N 081-58.65E</td> </tr> <tr> <td>SAGAR VIJAY</td> <td>16-28.32N 082-22.34E</td> </tr> <tr> <td>WEST TELESTO</td> <td>15-27.38N 080-31.70E</td> </tr> </table><br>2. Wide berth requested.<br>3. Cancel NAVAREA VIII MSG 332. | ABAN ABRAHAM             | 16-13.90N 082-13.70E | ABAN II | 16-17.90N 081-52.56E | DEEP DRILLER 8 | 11-30.10N 079-56.05E | ESSAR WILDCAT | 15-19.58N 080-33.30E | JACK BATES | 16-25.70N 082-23.43E | LOUISIANA | 16-19.70N 082-21.00E NEW | OLINDA STAR | 16-24.34N 082-21.12E | PLATINUM EXPLORER | 16-18.70N 082-17.80E | SAGAR RATNA | 16-22.43N 081-58.65E | SAGAR VIJAY | 16-28.32N 082-22.34E | WEST TELESTO | 15-27.38N 080-31.70E |
| ABAN ABRAHAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 16-13.90N 082-13.70E     |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| ABAN II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16-17.90N 081-52.56E     |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| DEEP DRILLER 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 11-30.10N 079-56.05E     |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| ESSAR WILDCAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 15-19.58N 080-33.30E     |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| JACK BATES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 16-25.70N 082-23.43E     |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| LOUISIANA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16-19.70N 082-21.00E NEW |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| OLINDA STAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16-24.34N 082-21.12E     |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| PLATINUM EXPLORER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16-18.70N 082-17.80E     |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| SAGAR RATNA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16-22.43N 081-58.65E     |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| SAGAR VIJAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16-28.32N 082-22.34E     |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| WEST TELESTO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 15-27.38N 080-31.70E     |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| <b>352. Cancel NAVAREA VIII MSG 302 309 330 331 and this MSG. INTM Section VIII OF EDN 09/18 087 091(T) 092(T) refers.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| <b>353. India West Coast - Diu.</b> Charts 206 207 253 292 2081 INT 71. Cavaleirolt(20-42N 070-59E) off from 05 May to 07 May 18.<br>2. Cancel this MSG 071830 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |
| <b>354. NAVAREA VIII warnings in force as on 04 May 18:-</b><br><b>2016 SERIES</b> – 723<br><b>2017 SERIES</b> – 305 345 394 493 529 635 685 723 762 814 829 866 872 876<br><b>2018 SERIES</b> – 028 047 049 056 145 168 185 186 187 203 222 242 251 255 278 279 281<br>295 299 301 311 312 313 314 323 325 326 333 336 339 341 342 343 344 345 346 348<br>349 350 351 353<br>(A) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.<br>(B) Text of NAVAREA VIII warnings in force including those which no longer broadcast available in                                                                                                                                                                                                                                                                                                                                 |                          |                      |         |                      |                |                      |               |                      |            |                      |           |                          |             |                      |                   |                      |             |                      |             |                      |              |                      |

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| <b>354. Continued.</b><br><a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a><br>2. Cancel this MSG 111830 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                           |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| <b>355. Andaman Sea – Hut Bay.</b> Charts 33 41 406 472 473 4010 INT 71. INS Investigator progressing hydrographic survey in area bounded within 10-35N to 10-37.5N and 092-32.2E to 092-35.7E. Wide berth of 03 nm from ship and survey boats requested.<br>2. Cancel this MSG 101830 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| <b>356. India West Coast - off Okha to Mumbai.</b> Charts 21 202 211 251 252 255 256 291 292 293 INT 71. SV Fugro Mapper progressing survey in vicinity of 22-27.92N 68-48.86E, 22-23.81N 068-58.39E, 22-49.35N 068-24.85E, 20-14.85N 071-57.78E, 18-36.12N 071-01.59E, 18-16.38N 072-22.82E, 18-30.06N 072-15.95E, 19-39.26N 071-33.14E, 19-10.61N 070-57.71E, 19-31.69N 071-16.51E, 19-05.34N 072-06.88E. Wide berth requested.<br>2. Cancel this MSG 311830 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| <b>357. India West Coast. Charts 251 254 255 292 INT 71. Rig list:-</b><br><table border="0"> <tr><td>ABAN ICE</td><td>19-13.88N 071-02.41E</td></tr> <tr><td>ACTINIA</td><td>19-19.57N 071-01.61E</td></tr> <tr><td>CE THORNTON</td><td>18-29.86N 072-15.00E</td></tr> <tr><td>DEEP DRILLER 4</td><td>21-03.93N 072-31.62E</td></tr> <tr><td>DEEP SEA FORTUNE</td><td>19-40.15N 072-00.33E</td></tr> <tr><td>DEEP SEA FOSSIL</td><td>19-18.12N 071-30.38E</td></tr> <tr><td>DEEP SEA MATDRILL</td><td>20-39.70N 072-15.80E</td></tr> <tr><td>FG MCCLINTOCK</td><td>18-45.65N 072-19.22E</td></tr> <tr><td>GREAT DRILL CHAAYA</td><td>18-34.07N 072-13.27E</td></tr> <tr><td>GREAT DRILL CHAARU</td><td>20-05.50N 071-53.13E</td></tr> <tr><td>GREAT DRILL CHETNA</td><td>21-37.96N 068-26.414E NEW</td></tr> <tr><td>GREAT DRILL CHITRA</td><td>19-22.58N 071-00.85E</td></tr> <tr><td>HARVEY H WARD</td><td>19-10.48N 070-59.02E</td></tr> <tr><td>JINDAL STAR</td><td>20-14.88N 071-57.76E NEW</td></tr> <tr><td>JINDAL SUPREME</td><td>19-41.90N 072-19.83E</td></tr> <tr><td>JT ANGEL</td><td>19-20.95N 071-18.20E</td></tr> <tr><td>NOBLE ED HOLT</td><td>20-11.53N 071-52.25E</td></tr> <tr><td>PARAMESWARA</td><td>20-13.10N 071-49.00E</td></tr> <tr><td>SAGAR GAURAV</td><td>19-35.93N 070-57.18E NEW</td></tr> <tr><td>SAGAR JYOTI</td><td>19-04.70N 071-54.11E</td></tr> <tr><td>SAGAR KIRAN</td><td>19-33.13N 071-16.35E NEW</td></tr> <tr><td>SAGAR SHAKTI</td><td>19-15.95N 070-56.47E</td></tr> <tr><td>SAGAR UDAY</td><td>19-08.42N 070-53.87E</td></tr> <tr><td>TRIDENT II</td><td>20-09.54N 071-47.43E</td></tr> <tr><td>TRIDENT XII</td><td>19-26.06N 071-12.96E</td></tr> <tr><td>VICTORY DRILLER</td><td>19-28.70N 071-46.66E</td></tr> <tr><td>VIRTUE-I</td><td>19-15.20N 072-02.17E</td></tr> <tr><td>VIVEKANANDA1</td><td>19-15.64N 072-06.59E</td></tr> <tr><td>VIVEKANANDA2</td><td>19-11.05N 072-11.20E</td></tr> </table><br>2. Wide berth requested.<br>3. Cancel NAVAREA VIII MSG 313. | ABAN ICE                  | 19-13.88N 071-02.41E | ACTINIA | 19-19.57N 071-01.61E | CE THORNTON | 18-29.86N 072-15.00E     | DEEP DRILLER 4 | 21-03.93N 072-31.62E | DEEP SEA FORTUNE | 19-40.15N 072-00.33E | DEEP SEA FOSSIL | 19-18.12N 071-30.38E | DEEP SEA MATDRILL | 20-39.70N 072-15.80E | FG MCCLINTOCK | 18-45.65N 072-19.22E | GREAT DRILL CHAAYA | 18-34.07N 072-13.27E | GREAT DRILL CHAARU | 20-05.50N 071-53.13E | GREAT DRILL CHETNA | 21-37.96N 068-26.414E NEW | GREAT DRILL CHITRA | 19-22.58N 071-00.85E | HARVEY H WARD | 19-10.48N 070-59.02E | JINDAL STAR | 20-14.88N 071-57.76E NEW | JINDAL SUPREME | 19-41.90N 072-19.83E | JT ANGEL | 19-20.95N 071-18.20E | NOBLE ED HOLT | 20-11.53N 071-52.25E | PARAMESWARA | 20-13.10N 071-49.00E | SAGAR GAURAV | 19-35.93N 070-57.18E NEW | SAGAR JYOTI | 19-04.70N 071-54.11E | SAGAR KIRAN | 19-33.13N 071-16.35E NEW | SAGAR SHAKTI | 19-15.95N 070-56.47E | SAGAR UDAY | 19-08.42N 070-53.87E | TRIDENT II | 20-09.54N 071-47.43E | TRIDENT XII | 19-26.06N 071-12.96E | VICTORY DRILLER | 19-28.70N 071-46.66E | VIRTUE-I | 19-15.20N 072-02.17E | VIVEKANANDA1 | 19-15.64N 072-06.59E | VIVEKANANDA2 | 19-11.05N 072-11.20E |
| ABAN ICE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 19-13.88N 071-02.41E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| ACTINIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 19-19.57N 071-01.61E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| CE THORNTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 18-29.86N 072-15.00E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| DEEP DRILLER 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 21-03.93N 072-31.62E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| DEEP SEA FORTUNE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 19-40.15N 072-00.33E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| DEEP SEA FOSSIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 19-18.12N 071-30.38E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| DEEP SEA MATDRILL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20-39.70N 072-15.80E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| FG MCCLINTOCK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 18-45.65N 072-19.22E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| GREAT DRILL CHAAYA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 18-34.07N 072-13.27E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| GREAT DRILL CHAARU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 20-05.50N 071-53.13E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| GREAT DRILL CHETNA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 21-37.96N 068-26.414E NEW |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| GREAT DRILL CHITRA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 19-22.58N 071-00.85E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| HARVEY H WARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 19-10.48N 070-59.02E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| JINDAL STAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20-14.88N 071-57.76E NEW  |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| JINDAL SUPREME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 19-41.90N 072-19.83E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| JT ANGEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 19-20.95N 071-18.20E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| NOBLE ED HOLT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20-11.53N 071-52.25E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| PARAMESWARA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20-13.10N 071-49.00E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| SAGAR GAURAV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 19-35.93N 070-57.18E NEW  |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| SAGAR JYOTI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 19-04.70N 071-54.11E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| SAGAR KIRAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 19-33.13N 071-16.35E NEW  |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| SAGAR SHAKTI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 19-15.95N 070-56.47E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| SAGAR UDAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 19-08.42N 070-53.87E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| TRIDENT II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20-09.54N 071-47.43E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| TRIDENT XII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 19-26.06N 071-12.96E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| VICTORY DRILLER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 19-28.70N 071-46.66E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| VIRTUE-I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 19-15.20N 072-02.17E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| VIVEKANANDA1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 19-15.64N 072-06.59E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| VIVEKANANDA2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 19-11.05N 072-11.20E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| <b>358. India West Coast – off Okha.</b> Charts 21 202 251 252 271 291 INT 71. GTV SamudraSarvekshak progressing soil investigation in 22-22.92N 068-28.39E, 22-33.76N 068-30.19E. Wide berth requested.<br>2. Cancel NAVAREA VIII 323 and this MSG 161830 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                           |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| <b>359. India West Coast - Gulf of Kachchh.</b> Charts 21 203 2080 INT 71. INS Sarvekshak progressing hydrographic survey in area bounded within 22-32N to 22-58N and 069-41E to 070-28E. Wide berth from ship and survey boats requested.<br>2. Cancel this MSG 281830 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| <b>360. India West Coast - off Hazira.</b> Charts 21 209 254 292 INT 71. INS Jamuna progressing hydrographic survey in area bounded by 20-40N 072-12E, 21-02N 072-12E, 21-02N 072-30E, 20-52.05N 072-30E, 20-52.05N 072-43.85E, 21-00.77N 072-43.81E, 20-40N 072-52.35E. Wide berth of 2 nm from ship and survey boats requested.<br>2. Cancel this MSG 051830 UTC Jun 18.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| <b>361. India West Coast - off Jafarabad.</b> Charts 21 254 292 INT 71. Mac Griffin progressing geotechnical survey in area bounded by 20-10.89N 071-22.73E, 20-04.33N 071-29.72E, 20-00.49N 071-28.82E, 20-00.39N 071-26.07E, 20-06.73N 071-25.01E, 20-06.53N 071-20.23E, 20-08.94N 071-18.87E. Wide berth requested.<br>2. Cancel this MSG 311830 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| <b>362. Cancel NAVAREA VIII 325 and this MSG.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                           |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| <b>363. India West Coast. Charts 251 254 255 292 INT 71. Rig list:-</b><br><table border="0"> <tr><td>ABAN ICE</td><td>19-13.88N 071-02.41E</td></tr> <tr><td>ACTINIA</td><td>19-19.57N 071-01.61E</td></tr> <tr><td>CE THORNTON</td><td>18-30.06N 072-15.95E NEW</td></tr> <tr><td>DEEP DRILLER 4</td><td>21-03.93N 072-31.62E</td></tr> <tr><td>DEEP SEA FORTUNE</td><td>19-40.15N 072-00.33E</td></tr> <tr><td>DEEP SEA FOSSIL</td><td>19-18.12N 071-30.38E</td></tr> <tr><td>DEEP SEA MATDRILL</td><td>20-39.70N 072-15.80E</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ABAN ICE                  | 19-13.88N 071-02.41E | ACTINIA | 19-19.57N 071-01.61E | CE THORNTON | 18-30.06N 072-15.95E NEW | DEEP DRILLER 4 | 21-03.93N 072-31.62E | DEEP SEA FORTUNE | 19-40.15N 072-00.33E | DEEP SEA FOSSIL | 19-18.12N 071-30.38E | DEEP SEA MATDRILL | 20-39.70N 072-15.80E |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| ABAN ICE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 19-13.88N 071-02.41E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| ACTINIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 19-19.57N 071-01.61E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| CE THORNTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 18-30.06N 072-15.95E NEW  |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| DEEP DRILLER 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 21-03.93N 072-31.62E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| DEEP SEA FORTUNE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 19-40.15N 072-00.33E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| DEEP SEA FOSSIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 19-18.12N 071-30.38E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |
| DEEP SEA MATDRILL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20-39.70N 072-15.80E      |                      |         |                      |             |                          |                |                      |                  |                      |                 |                      |                   |                      |               |                      |                    |                      |                    |                      |                    |                           |                    |                      |               |                      |             |                          |                |                      |          |                      |               |                      |             |                      |              |                          |             |                      |             |                          |              |                      |            |                      |            |                      |             |                      |                 |                      |          |                      |              |                      |              |                      |

|                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>363. Continued.</b>                                                                                                                                                                                                                                                                                                                | <p>FG MCCLINTOCK 18-45.65N 072-19.22E<br/>         GREAT DRILL CHAAYA 18-34.07N 072-13.27E<br/>         GREAT DRILL CHAARU 20-05.50N 071-53.13E<br/>         GREAT DRILL CHETNA 21-37.96N 068-26.41E<br/>         GREAT DRILL CHITRA 19-22.58N 071-00.85E<br/>         HARVEY H WARD 19-10.48N 070-59.02E<br/>         JINDAL STAR 20-14.88N 071-57.76E<br/>         JINDAL SUPREME 19-41.90N 072-19.83E<br/>         JT ANGEL 19-35.30N 071-38.70E NEW<br/>         NOBLE ED HOLT 20-11.53N 071-52.25E<br/>         PARAMESWARA 20-13.10N 071-49.00E<br/>         SAGAR GAURAV 19-35.93N 070-57.18E<br/>         SAGAR JYOTI 19-04.70N 071-54.11E<br/>         SAGAR KIRAN 19-33.13N 071-16.35E<br/>         SAGAR SHAKTI 19-15.95N 070-56.47E<br/>         SAGAR UDAY 19-08.42N 070-53.87E<br/>         TRIDENT II 20-09.54N 071-47.43E<br/>         TRIDENT XII 19-26.06N 071-12.96E<br/>         VICTORY DRILLER 19-28.70N 071-46.66E<br/>         VIRTUE-I 19-15.20N 072-02.17E<br/>         VIVEKANANDA1 19-15.64N 072-06.59E<br/>         VIVEKANANDA2 19-11.05N 072-11.20E</p> <p>2. Wide berth requested.<br/>         3. Cancel NAVAREA VIII MSG 357.</p> |
| <b>364. Bay Of Bengal – off Naaf River.</b> Charts 31 319 320 361 INT 71. ST Martin lt(20-38N 092-19E) unlit.                                                                                                                                                                                                                         | <p>2. Cancel this MSG 111000 UTC May 18.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>365. India East Coast – off Gopalpur.</b> Charts 31 352 353 3005 INT 71. Army Air Defence firing and BPTA flight scheduled on 14 May 18 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.         | <p>2. Cancel this MSG 141530 UTC May 18.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>366. India West Coast – Okha.</b> Charts 21 203 2068 INT 71. Firing by Naval Coast Battery scheduled on 14 May 18 from 1030-1230 UTC.                                                                                                                                                                                              | <p>2. Danger sector extending upto 12 nm within bearing 300 to 020 from 22-28.04N 069-04.99E .<br/>         3. Cancel this MSG 141330 UTC May 18.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>367. Andaman Sea – off Katchall.</b> Charts 33 41 408 471 472 INT 71. INS Investigator progressing hydrographic survey in area extending upto 01 NM from 07-57N 093-18E. Wide berth of 03 nm from ship and survey boats requested.                                                                                                 | <p>2. Cancel this MSG 151830 UTC May 18.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>368. India West Coast - off Trivandrum.</b> Charts 22 222 INT 71. Rocket launch from Thumba(08-31.98N 076-52.05E) scheduled on 16 May 18 from 0530-0730 UTC.                                                                                                                                                                       | <p>2. DANGER SECTOR<br/>         (A) Radius of 05 nm from thumba between azimuth 190 and 300.<br/>         (B) Radii of 45 and 75 nm from thumba between azimuth 220 and 260.<br/>         3. Cancel this MSG 160830 UTC May 18.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>369. India East Coast- Vishakhapatnam.</b> Charts 31 308 354 3002 INT 71. Firing by Naval Coast Battery scheduled on 16 May 18 from 0001 - 0130 UTC in danger sector extending upto 17 nm between bearing 070 and 130 from 17-42N 083-18E.                                                                                         | <p>2. Cancel this MSG 160230 UTC May 18.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>370. Andaman Sea – off Barren I.</b> Charts 41 473 INT 71. Firing practice by CG Aircraft scheduled on 16, 17 May 18 from 0430-0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E.                                                                                                                     | <p>2. Cancel this MSG 171030 UTC May 18.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>371. India East Coast – off Gopalpur.</b> Charts 31 352 353 3005 INT 71. Army Air Defence firing and BPTA flight scheduled on 17, 18, 19 May 18 from 0130-0730 and 0830-1430 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. | <p>2. Cancel this MSG 191530 UTC May 18.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>372. India West Coast– Gulf of Khambhat.</b> Charts 21 207 253 254 292 INT 71. Narmada channel buoy 8 unlit.                                                                                                                                                                                                                       | <p>2. Cancel NAVAREA VIII 529/17.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>373. CANCEL NAVAREA VIII 187/18 and this MSG.</b>                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>374. NAVAREA VIII warnings in force as on 11 May 18:-</b>                                                                                                                                                                                                                                                                          | <p><b>2016 SERIES - 723</b><br/> <b>2017 SERIES – 305 345 394 493 635 685 723 762 814 829 866 872 876</b><br/> <b>2018 SERIES - 028 047 049 056 145 168 185 186 203 222 242 251 255 278 279 295 299</b><br/> <b>301 311 312 314 333 339 341 342 343 345 346 348 350 351 356 358 359 360 361 363</b><br/> <b>365 366 367 368 369 370 371 372 373</b><br/>         (A) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.<br/>         (B) Text of NAVAREA VIII warnings in force including those which no longer broadcast available in</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|             |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>374.</b> | <b>Continued.</b><br><a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a>                                                                                                                                                                                                                                                                                                                                    |
| 2.          | Cancel this MSG 181830 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>375.</b> | <b>Indian Ocean – off Port Victoria.</b> Charts INT 71 72 BA 717 721. Pointe Police Lt(04-48S 055-31E) unlit.                                                                                                                                                                                                                                                                                                              |
| <b>376.</b> | <b>India West Coast- off Ratnagiri.</b> Charts 22 256 293 INT 71. Firing by Naval ships scheduled on 18 May 18 from 0730 - 1400 UTC in danger area bounded within 16-07.44N to 16-41.44N and 071-25E to 072-00E.                                                                                                                                                                                                           |
| 2.          | Cancel this MSG 181500 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>377.</b> | <b>India West Coast – Kochi.</b> Charts 22 220 260 2029 INT 71. Firing by Navy scheduled on:-<br>DATE TIME (UTC)<br>18 MAY 18 0900-1200 AND 1230-1430<br>22 MAY 0900-1200<br>25 MAY 0900-1200 AND 1230-1430<br>29 MAY 0900-1200                                                                                                                                                                                            |
| 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 291300 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>378.</b> | <b>Andaman Sea – East Island.</b> Charts 33 41 402 473 4031 INT 71. DGPS (13-37N 093-02E) off from 0230-1030 UTC on 15 May 18.                                                                                                                                                                                                                                                                                             |
| 2.          | Cancel this MSG 151130 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>379.</b> | <b>India West Coast – Lakshadweep Sea.</b> Charts 22 222 223 260 261 273 2048 INT 71. Muttom Point (08-07N 077-19E) NAVTEX transmitter swiched off from 160430-171230 UTC May 18.                                                                                                                                                                                                                                          |
| 2.          | CANCEL THIS MSG 171330 UTC MAY 18                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>380.</b> | <b>India West Coast - off Jafarabad.</b> Charts 21 210 253 254 292 INT 71. SV KNK Ayaana progressing geophysical survey in areas bounded by (A) 20-10.89N 071-22.73E, 20-04.33N 071-29.72E, 20-00.49N 071-28.82E, 20-00.39N 071-26.07E, 20-06.73N 071-25.01E, 20-06.53N 071-20.23E, 20-08.94N 071-18.87E (B) 20-09.54N 071-24.17E, 20-20.73N 072-01.41E, 20-19.69N 072-01.46E, 20-08.68N 071-25.09E. Wide berth requested. |
| 2.          | Cancel THIS MSG 311830 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>381.</b> | <b>Andaman Sea – off Cinque.</b> Charts 41 405 406 473 4030 INT 71. Firing by Naval ships scheduled on 19 May from 0830-1130 UTC and 20, 21 May 18 from 0015-0515 UTC in danger area bounded within 11-00N to 11-20N and 092-29E to 092-52E.                                                                                                                                                                               |
| 2.          | Cancel this MSG 210615 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>382.</b> | <b>India West Coast – off Azhikkal.</b> Charts 22 218 258 272 INT 71. INS Makar progressing survey using towed sonar in area bounded by 11-30N 074-30E, 11-30N 075-33E, 11-58N 075-16E, 11-58N 074-30E. Wide berth of 03 nm requested.                                                                                                                                                                                     |
| 2.          | Cancel this MSG 201830 UTC May 18.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>383.</b> | <b>India West Coast. Charts 21 251 254 255 292 INT 71. Rig list:-</b>                                                                                                                                                                                                                                                                                                                                                      |
|             | ABAN ICE 19-13.88N 071-02.41E                                                                                                                                                                                                                                                                                                                                                                                              |
|             | ACTINIA 19-19.57N 071-01.61E                                                                                                                                                                                                                                                                                                                                                                                               |
|             | CE THORNTON 18-30.06N 072-15.95E                                                                                                                                                                                                                                                                                                                                                                                           |
|             | DEEP DRILLER 4 21-03.93N 072-31.62E                                                                                                                                                                                                                                                                                                                                                                                        |
|             | DEEP SEA FORTUNE 19-40.15N 072-00.33E                                                                                                                                                                                                                                                                                                                                                                                      |
|             | DEEP SEA FOSSIL 19-18.12N 071-30.38E                                                                                                                                                                                                                                                                                                                                                                                       |
|             | DEEP SEA MATDRILL 19-39.98N 071-35.75E NEW                                                                                                                                                                                                                                                                                                                                                                                 |
|             | FG MCCLINTOCK 18-16.38N 072-22.81E NEW                                                                                                                                                                                                                                                                                                                                                                                     |
|             | GREAT DRILL CHAAYA 18-34.07N 072-13.27E                                                                                                                                                                                                                                                                                                                                                                                    |
|             | GREAT DRILL CHAARU 20-05.50N 071-53.13E                                                                                                                                                                                                                                                                                                                                                                                    |
|             | GREAT DRILL CHETNA 21-37.96N 068-26.41E                                                                                                                                                                                                                                                                                                                                                                                    |
|             | GREAT DRILL CHITRA 19-22.58N 071-00.85E                                                                                                                                                                                                                                                                                                                                                                                    |
|             | HARVEY H WARD 19-10.48N 070-59.02E                                                                                                                                                                                                                                                                                                                                                                                         |
|             | JINDAL STAR 20-14.88N 071-57.76E                                                                                                                                                                                                                                                                                                                                                                                           |
|             | JINDAL SUPREME 19-41.90N 072-19.83E                                                                                                                                                                                                                                                                                                                                                                                        |
|             | JT ANGEL 19-35.30N 071-38.70E                                                                                                                                                                                                                                                                                                                                                                                              |
|             | NOBLE ED HOLT 20-11.53N 071-52.25E                                                                                                                                                                                                                                                                                                                                                                                         |
|             | PARAMESWARA 22-55.80N 068-21.48E NEW                                                                                                                                                                                                                                                                                                                                                                                       |
|             | SAGAR GAURAV 19-35.93N 070-57.18E                                                                                                                                                                                                                                                                                                                                                                                          |
|             | SAGAR JYOTI 19-04.70N 071-54.11E                                                                                                                                                                                                                                                                                                                                                                                           |
|             | SAGAR KIRAN 19-33.13N 071-16.35E                                                                                                                                                                                                                                                                                                                                                                                           |
|             | SAGAR SHAKTI 19-15.95N 070-56.47E                                                                                                                                                                                                                                                                                                                                                                                          |
|             | SAGAR UDAY 19-08.42N 070-53.87E                                                                                                                                                                                                                                                                                                                                                                                            |
|             | TRIDENT II 20-09.54N 071-47.43E                                                                                                                                                                                                                                                                                                                                                                                            |
|             | TRIDENT XII 19-26.06N 071-12.96E                                                                                                                                                                                                                                                                                                                                                                                           |
|             | VICTORY DRILLER 19-28.70N 071-46.66E                                                                                                                                                                                                                                                                                                                                                                                       |
|             | VIRTUE-I 19-15.20N 072-02.17E                                                                                                                                                                                                                                                                                                                                                                                              |
|             | VIVEKANANDA1 19-15.64N 072-06.59E                                                                                                                                                                                                                                                                                                                                                                                          |
|             | VIVEKANANDA2 19-11.05N 072-11.20E                                                                                                                                                                                                                                                                                                                                                                                          |
| 2.          | Wide berth requested.                                                                                                                                                                                                                                                                                                                                                                                                      |
| 3.          | Cancel NAVAREA VIII MSG 363                                                                                                                                                                                                                                                                                                                                                                                                |

|                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>384. India West Coast – off Mumbai.</b> Charts 21 255 292 INT 71. GTV SamudraSarvekshak progressing soil investigation in 19-19.57N 071-01.55E, 18-50.40N 071-21.85E, 18-33.72N 072-17.66E, 18-37.93N 072-14.22E, 18-52.41N 072-19.64E, 18-53.27N 71-52.53E, 18-52.52N 071-25.35E, 18-54.21N 071-20.30E. Wide berth requested.</p> <p>2. Cancel NAVAREA VIII 358 and this MSG 141830 UTC Jun 18.</p> |
| <p><b>385. Cancel NAVAREA VIII 723/16 635/17 and this MSG.</b></p>                                                                                                                                                                                                                                                                                                                                         |



## SECTION – VI

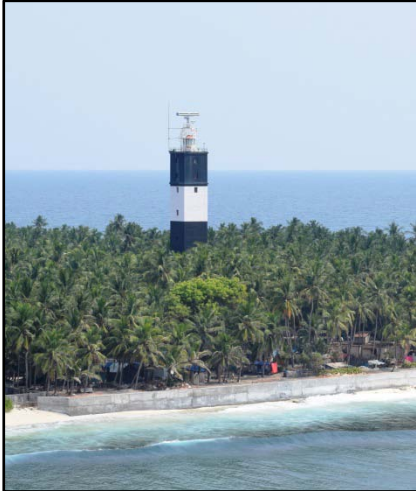
### CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

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

##### Chapter - 4 (Page 185)

(Source: IH.102, INS Sutlej)

Article 4.157, delete photo of 'Androth East Lighthouse' and replace by



Androth East Lighthouse

Article 4.159, delete Photo of 'Androth West Lighthouse' and replace by



Androth West Lighthouse

#### Chapter - 7 (Page 264)

(Source: Jaigarh Port Limited)

Article 7.106, delete Para 3, and replace by

3 **Port Authority.** JSW Jaigarh Port Ltd, P.o.- Jaigarh, Dist. – Ratnagiri, Jaigarh, Maharashtra – 415614.

Tel- +91 2357 242551/53

Fax- +91 2357 242556

E-mail-mct.jpl@jsw.in

Website: www.jsw.in

Article 7.107, Para 3, delete line 3 and replace by  
400 000.

Article 7.108, delete Para 2 and replace by

2 **Anchorage.** Anchorage can be obtained in the area bounded by below coordinates.

17 °16'.00N, 073 °03'.00E

17 °16'.00N, 073 °06'.00E

17 °18'.00N, 073 °03'.00E

17 °18'.00N, 073 °06'.00E

Emergency anchorage can be obtained 5 cable centred in position 17°18'.40N, 073°09'.30E. LNGC anchorage area may be obtained 5 cable centred in position 17°18'.10N, 073°02'.40E.

Article 7.108, delete Para 4 and replace by

4 **Pilotage.** Pilot boards at following positions. 17°19'N, 073 °08'E (For vessels Draft less than 14.5m), 17 °20'N, 073 °05'E (For vessels Draft more than 14.5m).

Article 7.109, delete Para 3, and replace by

3 **Development.** There are plans to develop 11 more berths including Container and Ro-Ro facilities.

Article 7.111, delete Para 1 and replace by

1 **Berth.** Port has six berths with following details.

| Berth | Length | Max Draft | Type of Cargo |
|-------|--------|-----------|---------------|
| 1     | 275    | 17.5m     | Bulk Cargo    |
| 2     | 275    | 17.5m     |               |
| 3A    | 306    | 17.5m     |               |
| 3B    | 307    | 17.5m     |               |
| 6A    | 343    | 12.5m     |               |
| 5     | 406    | 14.0m     | LNGC          |

#### Bay of Bengal Pilot (INP-2)

##### Chapter - 3 (Page 144)

(Source: Paradip Port Trust)

Article 3.30, delete Para 1 & 2 and replace by

1 **General Anchorage-I.** The area bounded by following coordinates is notified as General Anchorage-1.

20 °11'.95N, 086 °41'.23E

20 °10'.17N, 086 °43'.39E

20 °11'.25N, 086 °44'.27E

20 °12'.98N, 086 °42'.10E

**General Anchorage-II.** For deep draught Vessel an anchorage area (General Anchorage-II) of 1 mile radius centred on position 20 °10'.40N, 086 °45'.00E is established.

- 2 Two VLCC anchorages of 1 mile radius centred in position  
 VLCC1- 20° 01' .80N, 086°38' .50E  
 VLCC2- 20°05' .40N, 086°49' .10Es

*Article 3.30, Delete Para 5 and replace by*

- 5 **Restricted Area.** The area bounded by following coordinates is declared as "Restricted Area" for vessels other than the vessels involved in the operational activities of IOCL SPM works.

20 °13'.40N, 086 °36'.00E

20 °02'.40N, 086 °41'.30E

20 °06'.81N, 086 °47'.43E

20 °14'.53N, 086 °37'.87E

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

| No              | Name & Location                         | Position<br>(Lat-Long)   | Characteristics | Ht.<br>(mts) | Range<br>(miles) | Structure & Height<br>(mts)            | Remarks                             |
|-----------------|-----------------------------------------|--------------------------|-----------------|--------------|------------------|----------------------------------------|-------------------------------------|
| <b>D7429.05</b> | Removefrom list; deleted                |                          |                 |              |                  |                                        |                                     |
| <b>D7429.07</b> | Removefrom list; deleted                |                          |                 |              |                  |                                        |                                     |
| <b>D7434.25</b> | Removefrom list; deleted                |                          |                 |              |                  |                                        |                                     |
| <b>F0549.1</b>  | - Pir Pau Patch Beacon                  | 18 58.38N<br>72 54.18E   | Q FI Y          | ..           | ..               | RCC Pile structure<br>5                | <b>TE 2018</b>                      |
| *               | *                                       | *                        | *               | *            | *                | *                                      | *                                   |
| <b>F0549.2</b>  | - Elephanta Patch Beacon                | 18 58.38N<br>72 55.31E   | FI W 2s         | ..           | ..               | RCC Pile structure<br>5                | <b>TE 2018</b>                      |
| *               | *                                       | *                        | *               | *            | *                | *                                      | *                                   |
| <b>F0910</b>    | <b>Point Calimere</b>                   | 10 17.43 N<br>79 52.11 E | FI(3)W10s       | 13           | <b>15</b>        | White round masonry<br>tower<br>16     | (fl 0.3, ec 1.5) x 2, fl 0.3,ec 6.1 |
| *               | *                                       | *                        | *               | *            | *                | *                                      | *                                   |
| <b>F1056.4</b>  | <b>Cox's Bazar</b>                      | 21 25.85N<br>91 58.74E   | FI W 15s        | 54           | <b>21</b>        | Orange dome on<br>Framework tower<br>7 | fl 0.7<br><b>TE 2018</b>            |
| -               | -                                       | ..                       | Racon           | ..           | ..               | ..                                     | ILRSVol 2 Station 79330<br>*        |
| <b>F1057</b>    | <b>Saint Martin's<br/>Island. N end</b> | 20 37.94 N<br>92 19.23 E | FI(2) W 20s     | 39           | <b>20</b>        | Red and white □on<br>framework tower   | <b>TE 2018</b>                      |
| --              | --                                      | ..                       | Racon           | ..           | ..               | ..                                     | ILRSVol 2 Station 79360<br>*        |
| <b>F1222.5</b>  | Chowra Island                           | 08 27.67N<br>93 03.31E   | FI W 15s        | 26           | 9                | White metal<br>Framework tower<br>24   | fl 0.5                              |
| -               | -                                       | ..                       | Racon           | ..           | ..               | ..                                     | ILRS Vol.2 Station 79600<br>*       |
| <b>F1634</b>    | Removefrom list; deleted                |                          |                 |              |                  |                                        |                                     |
| <b>F1836.28</b> | Removefrom list; deleted                |                          |                 |              |                  |                                        |                                     |

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

**INP 31(1), 2014**

*(Last correction: Edition No. 05 dated 01 Mar 2018)*

**NIL**

**INP 31(2), 2014**

*(Last correction: Edition No. 08 dated 16 Apr 2018)*

**PAGE 20, INDIA**

*Delete entry 79110 Point Calimere Lt*

**INP 31(5), 2017**

*( Last correction: Edition No. 09 dated 01 May 2018)*

**PAGE 84, Chapter 06, INMARSAT EQUIPMENT AND SYSTEMS, MIGRATION OF INMARSAT GMDSS SERVICES FROM I-3SATELLITES OVER TO THE I-4SATELLITES**

*Line 7, first row of table and title of photo ‘ Stage1’ amend ‘April 2018’ to ‘May 2018’*

**INP 31(6), 2012**

*(Last correction: Edition No. 04 dated 16 Feb 2018)*

**NIL**

## SECTION – X

### 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.

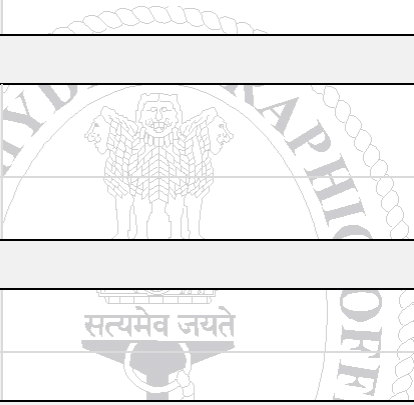



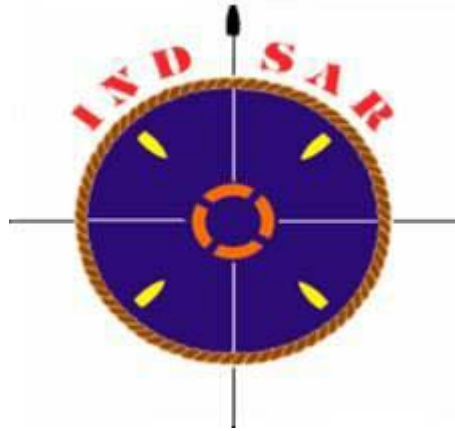
| <b>HYDROGRAPHIC NOTE</b>                                                                                |                                           |                                       |                                    | <b>IH.102<br/>(Revised 2012)</b> |  |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------|------------------------------------|----------------------------------|--|
| 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<br>(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<br>(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><br>(To accompany Form IH.102) |          | <b>IH.102A</b><br>(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**