



# INDIAN NOTICES TO MARINERS



EDITION NO. 13 DATED 01 JUL 2017

(CONTAINS NOTICES 100 TO 105)

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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 forthcoming Indian Charts are as follows:-

| <i>Chart No</i> | <i>Title</i>                            | <i>Scale</i> | <i>Remarks</i> |
|-----------------|---|--------------|----------------|
| 256 (INT 7340)  | MURUD – JANJIRA HARBOUR TO MALVAN       | 3,00,000     | New Edition    |
| 301             | APPROACHES TO HUGLI RIVER               | 1,50,000     | New Chart      |
| 2003            | BADAGARA ANCHORAGE; KASARAGOD ANCHORAGE | 25,000       | New Chart      |
| 2033 (INT 7341) | SIKKA CREEK; SIKKA CHANNEL              | 12,500       | New Edition    |
| 2046            | VENGURLA ANCHORAGE; REDI ANCHORAGE      | 25,000       | New Edition    |
| 2051 (INT 7333) | SALAYA HARBOUR                          | 25,000       | New Edition    |
| 2358            | APPROACHES TO HANGARKATTA & MALPE       | 50,000       | New Chart      |
| 2359 (INT 7350) | APPROACHES TO PORT OF NEW MANGALORE     | 50,000       | New Chart      |
| 3006 (INT 7423) | HUGLI RIVER;                            |              | New Chart      |
|                 | KUKRAHATI REACH TO ROYAPUR CROSSING     | 37,500       |                |
|                 | ROYAPUR CROSSING TO CALCUTTA DOCKS      | 37,500       |                |
|                 | CALCUTTA DOCKS                          | 17,500       |                |
| 3011 (INT 7421) | HUGLI RIVER – GASPER CHANNEL TO HALDIA  | 75,000       | New Chart      |
| 4177            | TILLANCHANG ISLAND                      | 25,000       | New Edition    |

### Availability of ENC's

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

|   |   |
|---|---|
| <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> |

## VI

### TEMPORARY AND PRELIMINARY NOTICES

*In Force 01 Jul 2017*

*(Former In Force List dated 01 Apr 2017 is cancelled)*

| <b>Cancelled Notices</b> |                                       |
|--------------------------|---------------------------------------|
| <b>Area</b>              | <b>Notice No.</b>                     |
| 1                        | <i>Nil</i>                            |
| 2                        | <i>109/16, 040/17</i>                 |
| 3                        | <i>112/16, 058/17, 065/17, 067/17</i> |
| 4                        | <i>Nil</i>                            |

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

| <u>Notice</u> | <u>Charts Affected</u> | <u>Description</u>                            |
|---------------|------------------------|---|
| 152/15 2514   |                        | INDIAN OCEAN – MAURITIUS – Port Louis – Buoy. |

#### 2. INDIA WEST COAST – INDIAN OCEAN.

| <u>Notice</u>      | <u>Charts Affected</u>  | <u>Description</u>  |
|--------------------|---|---|
| 152/11 2081 – 2100 |   | INDIA – WEST COAST – Pipavav Port – Dredging.                   |
| 182/12             | 21 – 22 (INT 752) – 292 (INT 7021) – 2093   | INDIA – ARABIAN SEA – Argo Floats.                              |
| 065/14             | 23– 31– 33 – 7070(INT 70) – 7071 (INT 71) – 7072 (INT 72) – 7073(INT 73) – 7702 (INT 702) – 7703(INT 703) – 7706(INT 706) – 7707(INT 707) – 7708(INT 708) | INDIA OCEAN – Data Buoys.                                       |
| 099/14             | 21– 203 (INT 7319) – 2017   | INDIA – WEST COAST – Gulf of Kachchh – Eastern Portion – Buoys. |
| 042/15             | 22 (INT 752) – 214– 293 (INT 7022) – 2022 (INT 7345)  | INDIA – WEST COAST – Approaches to Mormugao – Unlit Vessel.     |
| 066/15             | 271 – 251 (INT 7318) – 203 (INT 7319) – 2031 (INT 7326) – 2068 – 2013 (INT 7324)  | INDIA – WEST COAST – Gulf of Kachchh – Port of Okha – Buoys.    |
| 087/15             | 273   | INDIAN OCEAN – Kadmat Island to Ihavandiffulu Atoll – Buoy.     |
| 098/15             | 21– 208 – 209 – 254 (INT 7331) – 292 (INT 7021) – 2039– 2102  | INDIA – WEST COAST– Bhavnagar Port – Anchorage.                 |
| 109/15             | 2043 – 2042 – 2046  | INDIA – WEST COAST – Vengurla Anchorage – Buoy.                 |
| 121/15             | 21 – 22 – 292 – 293 – 255 – 211 – 2016  | INDIA – WEST COAST – Inner Approaches to Mumbai – Foul.         |
| 127/15             | 2040  | INDIA – WEST COAST – Porbandar Port – Jetty.                    |
| 157/15             | 259 (INT 7356) – 260 (INT 7362) – 220 – 2029 (INT 7358) – 2004 (INT 7359).  | INDIA – WEST COAST – Kochi Harbour – Buoy.                      |
| 158/15             | 260 (INT 7362) – 261 – 222 – 223 – 2012   | INDIA – WEST COAST – Vizhinjam Anchorage – Sea Cage Farm.       |
| 163/15             | 21 – 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 293 (INT 7022) – 2015 (INT 7337) – 2016 (INT 7336) – 2076 (INT 7338)                          | INDIA – WEST COAST – Mumbai Port – Buoys. Wreck.                |

## VII

### 2. INDIA WEST COAST – INDIAN OCEAN. (Continued).

|        |  |   |
|--------|--|---|
| 035/16 | 22 – 272 – 258 (INT 7348) – 218 – 2025   | INDIA – WEST COAST – Azhikkal Anchorage – Racon.                              |
| 046/16 | 202 – 203 (INT 7319) – 2031 (INT 7326) – 2068  | INDIA – WEST COAST – Gulf of Kachchh Deep Water Route – Buoy.                 |
| 047/16 | 214 – 2022 (INT 7345) – 2078 (INT 7346)  | INDIA – WEST COAST – Port of Mormugao – Dredging.                             |
| 075/16 | 2016 (INT 7336) – 2015 (INT 7337)  | INDIA – WEST COAST – Port of Mumbai – Buoys.                                  |
| 099/16 | 21 – 22 – 292 (INT 7021) – 293 (INT 7022) – 254 (INT 7331) – 257 (INT) – 210 – 209 7343) – 214 – 2022 (INT 7345) – 2020.   | INDIA – WEST COAST – RACON.   |
| 152/16 | 2008 (INT 7369) – 2010   | INDIA – WEST COAST – Karwar Naval Harbour – Buoy.                             |
| 153/16 | 2061 – 2099  | INDIAN OCEAN – MALDIVES – Male’ Atoll – Sea Bridge.                           |
| 166/16 | 21 – 22 (INT 752) – 23 – 292 (INT 7021) – 293 (INT 7022) – 273 – 268 (INT 7353) – 257 (INT 7343) – 214 – 2047 – 2022 (INT 7345) – 2020 – 7703 (INT 703) – 7705 (INT 705) | INDIA – WEST COAST – Arabian Sea – Data Buoys. Tsunami Buoy.                  |
| 035/17 | 21 – 291 – 203 (INT 7319) – 2068 – 2079 – 2106   | INDIA – WEST COAST – Gulf of Kachchh – Racon.                                 |
| 045/17 | 2036 – 2103  | INDIA – WEST COAST – Dighi Port – Buoys.                                      |
| 051/17 | 2079 (INT 7329) – 2106   | INDIA – WEST COAST – Mundra Port – Construction Work.                         |
| 064/17 | 253 (INT 7328) – 254 (INT 7331) – 207 – 2081 – 2100 (INT 7344)   | INDIA – WEST COAST – Approaches to Port – Dredging Operation.                 |
| 069/17 | 207 – 253 (INT 7328) – 254 (7331) – 292 (INT 7021) – 2081 – 2100 (INT 7344)  | INDIA – WEST COAST – Approaches to Port Pipavav – Installation.               |
| 070/17 | 21 – 255 (INT 7334) – 292 (INT 7021)   | INDIA – WEST COAST – Approaches to Mumbai (Bombay) – Survey Operation.        |
| 071/17 | 21 – 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 293 (INT 7022)   | INDIA – WEST COAST – Satpati to Dighi Harbour – Survey Operation.             |
| 079/17 | 292 (INT 7021) – 254 (7331) – 207  | INDIA – WEST COAST – Diu Head to Gopnath Point – LIDAR.                       |
| 080/17 | 21 – 22 (INT 752) – 292 (INT 7021) – 293 (INT 7022) – 272 – 257 (INT 7343) – 259 (INT 7356) – 214 – 221  | INDIA – WEST COAST – Arabian Sea – ADCP Moorings.                             |
| 085/17 | 2022 (INT 7345) – 2020 – 2078 (INT 7346)   | INDIA – WEST COAST – Port of Mormugao – Buoy.                                 |
| 099/17 | 293 (INT 7022) – 272 – 258 (INT 7348) – 217 – 2052 (INT 7350) – 2002 (INT 7351)  | INDIA – WEST COAST – Ports of New Mangalore and Mangalore – Port Information. |
| 105/17 | 260 (INT 7362) – 261 – 222 – 223 – 2012  | INDIA – WEST COAST – Viliinjam Anchorage, Alleppey Anchorage – Buoys.         |

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

| <u>Notice</u> | <u>Charts Affected</u>   | <u>Description</u>  |
|---------------|--|---|
| 237/10        | 406 – 4010   | INDIA – ANDAMAN SEA – Little Andaman Islands – Hut Bay – Light. |
| 094/12        | 33 – 41 (INT 757) – 402 – 403 – 404 (INT 7439) – 405 – 406 – 407 – 408 – 409 – 471 – 472 (INT 7032) – 473 (INT 7031) – 4016 – 4035 | INDIA – ANDAMAN SEA – Fish Aggregating Devices.                 |
| 183/12        | 31 – 32 (INT 754) – 33 – 354 (INT 7408)  | INDIA – BAY OF BENGAL – Argo Floats.                            |

## VIII

### 3. INDIA EAST COAST – ANDAMAN NICOBAR, SRI LANKA, MYANMAR. (Continued).

|        |  |  |
|--------|--|--|
| 212/12 | 3034   | INDIA – EAST COAST – Krishnapatnam Port – Port Development. Dredging.  |
| 225/12 | 31 – 321 – 322 – 371 – 3020  | BAY OF BENGAL – MYANMAR COAST – Combermere Bay to Cheduba Strait – Platform.                                   |
| 081/17 | 31 – 32 (INT 754) – 33 – 308 – 352 (INT 7416) – 354 (INT 7408) – 355 (INT 7405) – 357 (INT 7397) – 391                 | INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.  |
| 159/13 | 31 – 41 (INT757) – 409 – 471 – 472 – 4035 – 4039   | INDIA – ANDAMAN SEA – Nicobar Island – Campbell Bay – Jetty.   |
| 195/13 | 352(INT7416) – 3005  | INDIA – EAST COAST – Gopalpur Port – Breakwater. Wrecks. Onshore Installation.                                 |
| 068/15 | 31 – 32 (INT 754) – 391 – 354 (INT 7408) – 308 – 3002 (INT 7410) – 3012 (INT 7411)                                     | INDIA – EAST COAST – Visakhapatnam Harbour – Buoy.   |
| 185/15 | 408 – 409 – 472 – 4039 – 4182 – 4205   | INDIA – Andaman Sea – Lights.  |
| 036/16 | 308 – 3002 (INT 7410) – 3012 (INT 7411)  | INDIA – EAST COAST – Visakhapatnam Harbour – Buoy.   |
| 078/16 | 31 – 32 (INT 754) – 33 – 391 – 356 (INT 7400) – 3034   | INDIA – EAST COAST – Krishnapatnam Port – RACON.   |
| 100/16 | 31 – 391 – 354 (INT 7408) – 308  | INDIA – EAST COAST – Outer Approaches to Vishakhapatnam – Light.   |
| 101/16 | 31 – 352 (INT 7416) – 3041 – 3010 (INT 7418)   | INDIA – EAST COAST – Paradip Port – RACON.   |
| 113/16 | 31 – 32 (INT 754) – 354 (INT 7408) – 391– 3009(INT 7407)   | INDIA – EAST COAST – Bay of Bengal – Kakinada – Deep Water Port.   |
| 121/16 | 31 – 32 (INT 754) – 391 – 356 (INT 7400)   | INDIA – EAST COAST – Chennai (Madras) to Ramayapatnam – Open Sea Cage.   |
| 168/16 | 31 – 32 (INT 754) – 33 – 356 (INT 7400) – 391 – 41 (INT 757) – 404 (INT 7439) – 405 – 472 (INT 7032) – 7706 (INT 706). | INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys. Tsunami Buoys.                                  |
| 179/16 | 32 (INT 754) – 357 (INT 7397) – 3003   | INDIA – EAST COAST – Pudduherry Harbour – Data Buoy.   |
| 191/16 | 31 – 32 (INT 754) – 391 – 354 (INT 7408) – 355 (INT 7405)  | INDIA – East Coast – Sacramento Shoal to Kalingapatnam – Survey Operation.                                     |
| 200/16 | 31 – 41 (INT 757) – 451  | BAY OF BENGAL AND ANDAMAN SEA - Coast of Burma – Preparis North Channel to Rangoon River – Drilling Operation. |
| 036/17 | 409 – 4039   | INDIA – ANDAMAN SEA – Light.   |
| 057/17 | 3028 (INT 7404)  | INDIA – East Coast – Kamarajar Port (Ennore) – Light.  |
| 066/17 | 391 – 355 (INT 7405)   | INDIA – EAST COAST – Ramayapatnam to Scarmento Shoal – Survey Operation.                                       |

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

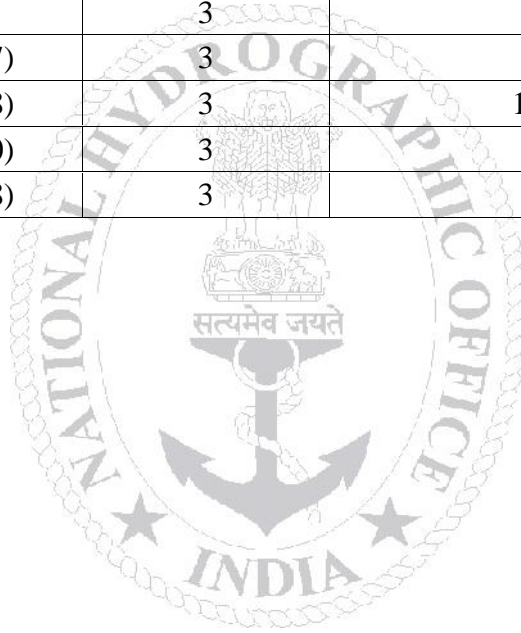
|        |                    |  |
|--------|--------------------|--|
| 383/03 | 33 – 41(INT 757)   | INDONESIA – Sumatera – North and Northwest Coasts – Restricted area. |
| 238/10 | 41 (INT 757) – 471 | INDONESIA – Sumatera – North West Coast – Pulau Bunta –Lights.       |



**SECTION – I**

The list of charts affected by the Notices 100 to 105 contained in this edition is as follows:

| <b>CHART NUMBER</b> | <b>FOLIO NO.</b> | <b>NOTICE NO.</b> |
|---------------------|------------------|-------------------|
| 220                 | 3                | 101, 102          |
| 222                 | 3                | 105 (T)           |
| 223                 | 4                | 105 (T)           |
| 259 (INT 7356)      | 3                | 101, 102          |
| 260 (INT 7362)      | 3                | 105 (T)           |
| 261                 | 4                | 105 (T)           |
| 410                 | 7                | 104               |
| 411                 | 7                | 104               |
| 451                 | 7                | 104               |
| 452                 | 7                | 104               |
| 2012                | 3                | 105 (T)           |
| 2015 (INT 7337)     | 3                | 100               |
| 2029 (INT 7358)     | 3                | 101, 102          |
| 2045 (INT 7360)     | 3                | 103               |
| 2076 (INT 7338)     | 3                | 100               |



**SECTION – II****PERMANENT NOTICES****\*100 (13/17) INDIA – WEST COAST – Port of Mumbai – Legend.**

Source: NHO, Dehradun.

**Chart 2076 (INT 7338)** [previous update NE 31 Jan 17]

Amend Legend, for “TRAFFIC CROSSING”  
Read as “PRECAUTIONARY AREA”, centered on: 19° 03′.98N., 72° 54′.97E.

Legend, for “Traffic Crossing”  
Read as “Precautionary Area”, centered on: 18° 55′.30N., 72° 52′.37E.

Legend, for “Traffic Crossing”  
Read as “Precautionary Area”, centered on: 18° 56′.37N., 72° 54′.05E.

**Chart 2015 (INT 7337)** [previous update 088/17]

Amend Legend, for “Traffic Crossing”  
Read as “Precautionary Area”, centered on: 18° 56′.35N., 72° 54′.05E.

**\*101 (13/17) INDIA – WEST COAST – Approaches to Kochi – Virtual - AIS.**

Source: NHO, Dehradun.

**Chart 259 (INT 7356)** [previous update 190/16]

Insert  V- AIS 10° 08′.11N., 76° 02′.95E.

**Chart 220** [previous update 164/16]

Insert  V- AIS 10° 08′.10N., 76° 02′.96E.


**Chart 2029 (INT 7358)** [previous update 073/17]

Insert  V- AIS 10° 08′.20N., 76° 02′.90E.

**\*102 (13/17) INDIA – WEST COAST – Approaches to Kochi – Wreck.**

Source: DG Shipping, Mumbai.

**Chart 259 (INT 7356)** [previous update 101/17]

Insert  PA 10° 01′.03N., 75° 57′.77E.

**Chart 220** [previous update 101/17]

Insert  PA 10° 00′.93N., 75° 57′.83E.

**Chart 2029 (INT 7358)** [previous update 101/17]

Insert  PA 10° 01′.03N., 75° 57′.77E.

**\*103 (13/17) INDIA – WEST COAST – Port of Kochi – Legend.**

Source: NHO Dehradun.

**Chart 2045 (INT 7360)** [previous update NE 28 Feb 17]

Delete Legend, “E5”, centered on: 09° 57′.85N., 76° 16′.57E.  
 Legend, “E8”, centered on: 09° 58′.01N., 76° 16′.69E.

**104 (13/17) Andaman Sea – Coast of Burma – Western Approaches to Rangoon River – Wreck. Buoy.**

Source: Myanmar Hydrographic Centre.

**Chart 451** [previous update 062/17]Delete  PA 16° 11′.90N., 96° 19′.57E.

16° 11′.85N., 96° 19′.38E.

**Chart 452** [previous update 062/17]Delete  PA 16° 11′.90N., 96° 19′.57E.

16° 11′.85N., 96° 19′.38E.

**Chart 410** [previous update 062/17]Delete  PA 16° 11′.90N., 96° 19′.57E.

16° 11′.85N., 96° 19′.38E.

**Chart 411** [previous update 062/17]Delete  PA 16° 11′.90N., 96° 19′.57E.

16° 11′.85N., 96° 19′.38E.



**SECTION – III**  
**TEMPORARY AND PRELIMINARY NOTICES**

**\*105(T) (13/17) INDIA – WEST COAST – VILINJAM ANCHORAGE, ALLEPPEY ANCHORAGE – BUOYS.**

Source: Adani Vizhinjam Port Pvt. Ltd.

1. Intensive shoreline monitoring of the coast 20 KM on either side of Vizhinjam Port is in progress. As part of the project 03 Turbidity buoys and 01 Wave Rider Buoy is placed in the following position:-

| Buoy                 | Location                   |
|----------------------|----------------------------|
| Wave Rider Buoy      | 08° 21'·20N., 76° 59'·76E. |
| Turbidity Buoy No. 1 | 08° 20'·98N., 77° 00'·13E. |
| Turbidity Buoy No. 2 | 08° 21'·83N., 76° 59'·24E. |
| Turbidity Buoy No. 3 | 08° 22'·46N., 76° 59'·27E. |

2. The buoys have been deployed for a probable duration of 03 years.
3. Vessels are advised to navigate with caution and contact local port authorities for more information.
4. **Charts Affected – 260 (INT 7362) – 261 – 222 – 223 – 2012**



## **SECTION – IV**

### **MARINE INFORMATION**

#### 1. **NAVTEX TRANSMISSION**

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

Mauritius (Cassis) - Operational

Seychelles (Mahe) - Temporarily Out of Operation

Following new Navtex stations along the Indian coast are operating on trial basis:-

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

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

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

#### 3. **DISPLAY ANOMALIES IN ECDIS**

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website [www.iho.int](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 14 of 2008 (16<sup>th</sup> July 2008).

(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) Recommended routes have been established along the coast of Gujarat. These are to assist mariners to navigate safely in order to represent the best routes for crossing traffic and to minimize head-on encounters in vicinity of Oilfield Development Areas and regulate coastal traffic. Mariners are advised to keep 1 to 2 miles starboard of the shown routes consistent with Rules of the Road.

(c) 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/ IRRIDUM AND SATELLITE PHONE**

The use of Thuraya, Iridium and other such satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act. It is intimated to all shipping companies/ shipping agents that use of Thuraya/ Iridium and other such satellite phones are banned in Indian waters and seafarers should not use the same.

Satellite phones can be used only after no objections certificate issued by department of telecommunication (DOT) on a case to case basis. The shipping agents should mandatorily intimate the details of person carrying Thuraya and the particulars of Thuraya, Iridium and other such sets in pre arrival notification on security (PANS).

The unauthorized holders of Thuraya/ Iridium and other such Satellite phones can be prosecuted under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act.

#### **7. CAUTIONARY NOTE**

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

### 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. Sunderlal Bahl 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/>Chinna Neelangarai,<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>Gujarat Pipavav Port Limited</b><br/>PO – Uchchaya, Dist – Amereli,<br/>Gujarat – 365 560<br/>Tele: +91- 2794302400<br/>Fax: 302413<br/>(Only for Pipavav Port Chart)</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: 022-6510 3668, Fax: 022-67939504<br/>Mobile: +91 9820 238 542<br/>Email: <a href="mailto:info@smsmarine.co.in">info@smsmarine.co.in</a> ,<br/><a href="mailto:raj_chakravorty@yahoo.com">raj_chakravorty@yahoo.com</a><br/>Web: <a href="http://www.smsmarine.co.in">www.smsmarine.co.in</a></p>  |
| <p><b>M/s JM Maritime Services</b><br/>24/24C Kavarana Building,<br/>Ground Floor, Wadi Bunder,<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>Global Marine Infratech Pvt. Ltd.</b><br/>Ground Floor, Siksha Sandan, 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, Flat C6, Nungi Station Road,<br/>Bata Nagar, Kolkata – 700 140<br/>Tel: +91 9836972027<br/>Fax: 033 24924283<br/>Email: <a href="mailto:sankar@liftmarine.org">sankar@liftmarine.org</a><br/>Web: <a href="http://www.liftmarine.org">www.liftmarine.org</a></p>  | <p><b>L. R. Marine Services</b><br/>301, 3rd Floor, Biry House,<br/>265, Perin Nariman Street, Fort,<br/>Mumbai - 400 001.<br/>Tel: +91-22-2269 1535<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 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 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@ictechnologies.com">somnath.marthi@ictechnologies.com</a><br/><a href="mailto:sanjeev.sharma@ictechnologies.com">sanjeev.sharma@ictechnologies.com</a><br/>Web: <a href="http://www.ictechnologies.com">www.ictechnologies.com</a></p> |
| <p><b>M/s Zenith Surveys (I) Pvt. Ltd.</b><br/>Lakhani’s Plam 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> |   |

**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 30 Jun 17:

**2016 Series** – 432 464 572 644 685 723

**2017 Series** – 016 119 173 189 305 323 345 366 375 381 387 394 414 427 442 446 453 455 462  
463 464 468 476 477 478 479

3. NAVAREA VIII Warnings issued during the period from 16 Jun to 30 Jun 17 (both dates inclusive) are as tabulated below:–

|             |  |
|-------------|--|
| <b>457.</b> | <b>Cancel NAVAREA VIII MSG 448 and this MSG.</b>   |
| <b>458.</b> | <b>Bay of Bengal and Indian Ocean.</b> Charts 32 INT 70 71. PSLV launch scheduled from 23 – 25 Jun 17 between 0330 - 0730 UTC from 13-43.9N 080-14.2E.<br>2. Danger zone as follows<br>ZONE -1: Circle of 10 NM around launcher<br>ZONE-2: 13-10N 080-25E, 13-25N 080-40E, 12-45N 081-15E, 12-30N 081-00E<br>ZONE-3: 11-45N 081-20E, 12-10N 081-50E, 10-45N 082-55E, 10-20N 082-25E<br>ZONE-4: 10-15N 082-30E, 10-40N 083-00E, 09-50N 083-35E, 09-25N 083-05E<br>ZONE-5: 08-25N 083-20E, 08-25N 083-55E, 07-15N 083-55E, 07-15N 083-20E<br>ZONE-6: 03-00S 081-10E, 03-20S 082-30E, 07-05S 081-35E, 06-45S 080-15E<br>ZONE-7: 29-45S 073-35E, 30-25S 076-10E, 39-55S 073-40E, 39-15S 071-05E<br>3. Cancel this MSG 250830 UTC Jun 17. |
| <b>459.</b> | <b>India West Coast - off Trivandrum.</b> Charts 22 222 260 INT 71. Rocket launch from thumba (08-31.98N 076-52.05E) scheduled on 21 Jun 17 from 0530-0730 UTC.<br>2. Danger sector bounded by<br>(a) Radius of 05 NM from Thumba.<br>(b) Radii of 5 and 75 NM from Thumba between azimuth 220 and 260.<br>3. Cancel this MSG 210830 UTC Jun 17.   |
| <b>460.</b> | <b>India East Coast – off Chennai.</b> Charts 31 32 391 INT 71. Firing by CG aircraft scheduled daily from 22 - 30 Jun 17 from 0100 - 1230 UTC in danger area bounded within 13-30N to 14-30N and 082-00E TO 082-40E.<br>2. Cancel this MSG 301330 UTC Jun 17.   |
| <b>461.</b> | <b>India East Coast – Vishakhapatnam.</b> Charts 31 308 INT 71. Firing by naval coast battery scheduled on 21 Jun 17 from 0030 - 0130 UTC in danger sector extending upto 15 NM between bearing 070 and 130 from 17-42N 083-18E.<br>2. Cancel this MSG 210230 UTC Jun 17.  |
| <b>462.</b> | <b>India East Coast.</b> Charts 355 356 INT 706. Rig list.<br>ABAN ABRAHAM 16-04.07N 081-49.05E<br>ABAN II 15-22.52N 080-30.86E<br>DS MATDRILL 16-21.37N 081-58.64E<br>JACK BATES 16-05.54N 081-50.68E NEW<br>ESSAR WILDCAT 16-14.51N 082-09.64E<br>SAGAR BHUSHAN 16-17.70N 082-11.23ENEW<br>SAGAR RATNA 15-14.63N 080-25.67ENEW<br>SAGAR VIJAY 16-31.49N 082-23.61ENEW<br>2. Wide berth requested.<br>3. Cancel NAVAREA VIII MSG 433.   |
| <b>463.</b> | <b>India West Coast.</b> Charts 251 254 255 292 INT 71. Rig list.<br>CE THORNTON 18-40.10N 072-13.56E<br>DEEP SEA FORTUNE 18-33.63N 072-14.94E<br>JINDAL STAR 18-32.28N 072-15.44ENEW<br>DEEP SEA FOSSIL 18-31.89N 072-16.74E<br>ABAN III 18-16.38N 072-22.82E<br>PARAGON L-786 18-47.21N 072-19.52E<br>SAGAR SHAKTI 19-15.49N 072-08.23E<br>GREAT DRILL CHITRA 19-20.25N 072-05.58E NEW<br>NOBLE ED HOLT 19-07.79N 071-59.93E<br>DYNAMIC VISION 19-11.05N 072-11.21E<br>VIVEKANANDA-1 19-15.64N 072-06.59E NEW  |



|   |   |
|---|---|
| <b>463. Continued.</b>                                      |   |
| SAGAR JYOTI   | 19-21.09N 071-14.64E NEW  |
| ABAN IV   | 19-21.95N 071-15.56E NEW  |
| ABAN ICE  | 19-39.99N 071-35.74E NEW  |
| PARAGON M 1161  | 19-27.56N 071-11.24E  |
| FG MCCLINTOCK   | 19-23.51N 071-21.62E  |
| VIVEKANANDA-2   | 19-27.59N 071-24.98E  |
| SAGAR KIRAN   | 19-38.05N 071-23.15E NEW  |
| VIRTUE-I  | 19-19.47N 071-12.06E NEW  |
| TRIDENT II  | 19-27.35N 071-17.94E  |
| SAGAR GAURAV  | 22-28.37N 068-21.17E NEW  |
| VALIANT DRILLER   | 19-39.80N 071-17.59ENEW   |
| GREAT DRILL CHAARU  | 19-30.30N 070-50.96E  |
| ROWAN LOUISIANA   | 19-36.89N 071-53.38E  |
| PARAMESWARA   | 19-58.02N 071-32.13ENEW   |
| ACTINIA   | 19-30.30N 070-50.96ENEW   |
| SAGAR UDAY  | 19-08.42N 070-53.87ENEW   |
| GREAT DRILL CHAAYA  | 22-37.91N 068-27.04ENEW   |
| 2.  | Wide berth requested.   |
| 3.  | Cancel NAVAREA VIII MSG 403.  |
| <b>464. India West Coast – Kochi.</b>                       | Charts 220 INT 71. Fishing vessel Carmel Matha reported sunk in vicinity of 10-01.03N 075-57.77E. Wide berth advised.   |
| <b>465. India East Coast – off Chennai.</b>                 | Charts 313 INT 71. Pulicat DGPS (13-25N 080-20E) off from 0030-1200 UTC on 19 Jun 17.   |
| 2.  | Cancel this MSG 191300 UTC Jun 17.  |
| <b>466. NAVAREA VIII Warnings in Force as on 16 Jun 17</b>  |   |
|   | <b>2016 series</b> – 432 464 572 644 685 723  |
|   | <b>2017 series</b> – 016 119 173 183 189 305 307 323 345 366 375 381 387 394 401 414 425 427 436 441 442 446 447 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465  |
| (a)   | NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.  |
| (b)   | Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a> .   |
| 2.  | Cancel this MSG 231000 UTC Jun 17.  |
| <b>467. India East Coast – off Gopalpur.</b>                | Charts 31 352 353 INT 71. Army Air Defence Firing and BPTA flight scheduled on 23 Jun from 0830-1430 UTC, 24, 25 Jun from 0430-1030 UTC and 28, 29, 30 Jun 17 from 0130-0730 and 0830-1430 UTC in area bounded by (a) 19-14.60N 084-53.70E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and arc of 41 NM radius joining point b and c. |
| 2.  | Cancel this MSG 301530 UTC Jun 17.  |
| <b>468. Bay of Bengal – off Myanmar.</b>                    | Charts 371 INT 71. Dhirubhai Deepwater KG2 progressing drilling ops in 16-52.02N 093-52.17E and 17-01.93N 093-26.99E. Wide berth requested.   |
| 2.  | Cancel this MSG 171830 UTC Sep 17.  |
| <b>469. India West Coast – Porbandar.</b>                   | Charts 2040 INT 71. DGPS (21-37.00N 069-37.00E) off from 0130-1230 UTC on 23 Jun 17.  |
| 2.  | Cancel this MSG 231330 UTC Jun 17.  |
| <b>470. Cancel NAVAREA VIII MSG 307 451 and this MSG.</b>   |   |
| <b>471. India East Coast- Chennai.</b>                      | Charts 32 313 3001 INT 71. Firing by Naval Coast Battery scheduled on 30 Jun 17 from 0530 - 0730 UTC.   |
| 2.  | Danger sector extending upto 5.5 NM between bearing 045 and 075 from 13-07.02N 080-18.01E.  |
| 3.  | Cancel this MSG 300830 UTC Jun 17.  |
| <b>472. Bay of Bengal – off Trincomalee.</b>                | Charts 359 3014 INT 71. Naval firing practice scheduled on 27 Jun 17 from 0130 – 0730 UTC in danger area bounded within 08-20N to 08-30N and 081-30E to 081-40E.  |
| 2.  | Cancel this MSG 270830 UTC Jun 17.  |
| <b>473. Cancel NAVAREA VIII MSG 447 458 and this MSG.</b>   | INTM 097 refers.  |
| <b>474. NAVAREA VIII Warnings in Force as on 23 Jun 17.</b> |   |
|   | <b>2016 Series</b> – 432 464 572 644 685 723  |
|   | <b>2017 Series</b> – 016 119 173 183 189 305 323 345 366 375 381 387 394 401 414 425 427 436 441 442 446 453 455 460 462 463 464 467 468 471 472 473  |
| (a)   | NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.  |
| (b)   | Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a> .   |
| 2.  | Cancel this MSG 301000 UTC Jun 17.  |
| <b>475. Lakshadweep Sea – off Colombo.</b>                  | Charts 23 263 INT 71. Naval firing practice scheduled on 30 Jun 17 from 0930-1530 UTC in danger area bounded by 07-19N 079-10E, 07-16N 079-30E, 07-06N 079-30E, 07-03N 079-10E.   |
| 2.  | Cancel this MSG 301630 UTC Jun 17.  |

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|---|
| <p><b>476. India East Coast – off Gopalpur.</b> Charts 31 352 353 INT 71. Army air defence firing and BPTA flight scheduled on 04,05,06 Jul 17 from 0130-0730 and 0830-1430 UTC in area bounded by (a) 19-14.60N 084-53.70E (b) 19-07.39N 085-35.94E (c) 18-33.61N 084-53.74E and arc of 41 NM radius joining point b and c.</p> <p>2. Cancel this MSG 061530 UTC Jul 17.</p>   |
| <p><b>477. India East Coast – Vishakhapatnam.</b> Charts 31 308 INT 71. Firing by Naval Coast Battery scheduled on 05 Jul 17 from 0030 - 0130 UTC in danger sector extending upto 17 NM between bearing 070 and 130 from 17-42N 083-18E.</p> <p>2. Cancel this MSG 050230 UTC Jul 17.</p>   |
| <p><b>478. India West Coast – Mumbai Port.</b> Chart 2016. Buoys N1 shifted/ N2, N3, N5 unlit/ N4 missing/ N6, N8 removed / N9 drifted to 18-51.21N 072-48.79E, unlit with top mark missing/ N14 withdrawn.</p> <p>2. Cancel NAVAREA VIII MSG 183.</p>  |
| <p><b>479. NAVAREA VIII Warnings in Force as on 30 Jun 17.</b></p> <p><b>2016 Series</b> – 432 464 572 644 685 723</p> <p><b>2017 Series</b> – 016 119 173 189 305 323 345 366 375 381 387 394 414 427 442 446 453 455 462 463 464 468 476 477 478</p> <p>(a) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet.</p> <p>(b) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a>.</p> <p>2. Cancel this MSG 071000 UTC Jul 17.</p> |

6.1

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

NIL

**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                                  |
|----------|---|--------------------------------------|-----------------------|------------|----------------|-----------------------------|--|
| D7113    | BOOBY ISLAND<br>-Booby Island                     | 19 39.97 S<br>63 23.37 E             | Q W                   | 17         | 3              | Pile                        |  |
|          |   |                                      |                       | *          |                | *                           |  |
| D7114.2  | -- Approach Channel.<br>G1                        | 19 40.26 S<br>63 25.57 E             | FI G 3s               | ..         | ..             | Δ On green beacon           |  |
| D7114.22 | --- R 1   | 19 40.29 S<br>63 25.65 E             | FI R 3s               | ..         | ..             | On red beacon               |  |
|          |   |                                      |                       |            | *              | *                           |  |
| D7114.24 | --- G2  | 19 40.37 S<br>63 25.40 E             | Q G                   | ..         | ..             | Δ On green beacon           |  |
|          |   |                                      |                       |            | *              | *                           |  |
| D7114.26 | --- R2  | 19 40.42 S<br>63 25.48 E             | FI R 3s               | ..         | ..             | On red beacon               |  |
|          |   |                                      |                       |            | *              | *                           |  |
| D7114.28 | --- G3  | 19 40.50 S<br>63 25.24 E             | FI G 3s               | ..         | ..             | Δ On green beacon           |  |
|          |   |                                      |                       |            | *              | *                           |  |
| D7114.3  | --- R3  | 19 40.52 S<br>63 25.33 E             | FI R 3s               | ..         | ..             | On red beacon               |  |
|          |   |                                      |                       |            | *              | *                           |  |
| D7114.32 | --- G4  | 19 40.64 S<br>63 25.21 E             | FI G 3s               | ..         | ..             | Δ On green beacon           |  |
|          |   |                                      |                       |            | *              | *                           |  |
| D7114.34 | --- R4  | 19 40.66 S<br>63 25.30 E             | FI R 3s               | ..         | ..             | On red beacon               |  |
|          |   |                                      |                       |            | *              | *                           |  |
| D7114.36 | --- G5  | 19 40.71 S<br>63 25.10 E             | FI G 3s               | ..         | ..             | Δ On green beacon           |  |
|          |   | *                                    |                       |            | *              | *                           |  |
| D7298.01 | - Ayla Marina.<br>E Breakwater. Head              | 29 32.38 N<br>34 58.83 E             | FI(3)G 10s            | ..         | 3              | Green metal post<br>7       |  |
|          |   |                                      | *                     |            |                |                             |  |
| D7298.02 | -- W Breakwater. Head                             | 29 32.38 N<br>34 58.77 E             | FI(3)R 10s            | ..         | 3              | Red metal Post<br>7         |  |
|          |   |                                      | *                     |            |                |                             |  |
| F0449    | - Ghogha. PERIGEE LT V<br>--- Riding light<br>--- | 21 42.11 N<br>72 18.00 E<br>..<br>.. | FI W 7s<br>QW<br>Bell | 12         | 8              | Red hull                    | Ra refl<br>TE 2017<br>TE 2017<br>TD 2017 |
|          |   |                                      |                       |            |                |                             | *  |
| K0911    | TELUK BALIMBING<br>- Ug Cukubatuberagam           | 05 37.72 S<br>104 18.01 E            | FI W 7.5s             | 32         | 16             | White beacon                | f/ 0.5.<br>TE 2013                       |
|          |   | *                                    |                       |            |                |                             |  |

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

**INP 31(1), 2014**

*(Last correction: Edition No. 05 dated 01Mar 2017)*

NIL

**INP 31(2), 2014**

*(Last correction: Edition No. 11 dated 01Jun 2017)*

**PAGE 82, TABLE 02**

*Insert entry below 30 Mar 2017*

|         |             |              |       |
|---------|-------------|--------------|-------|
| 0 hours | 29 Jun 2017 | +0.3 seconds | 23/17 |
|---------|-------------|--------------|-------|

*(Source: BA 23/17)*

*(13 /17)*

**INP 31(5), 2011**

*(Last correction: Edition No. 01 dated 01Jan 2017)*

NIL

**INP 31(6), 2012**

*(Last correction: Edition No. 12 dated 16 Jun 2017)*

NIL

## **SECTION – IX** **REPORTING OF NAVIGATIONAL DANGERS**

### **Appeal to all Mariners**

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

National Hydrographic Office  
107-A, Rajpur Road,  
Dehradun - 248001  
(UTTARAKHAND), INDIA  
e-mail: - inho@navy.gov.in, msis-inho@navy.gov.in  
Fax No.: +91-135- 2748373  
WEB: www.hydrobharat.gov.in

### **Instructions for filling up IH 102**

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

### **Position Reporting**

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

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

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

### **Depth Reporting**

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

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

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

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

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

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

10. Changes to Port information should be forwarded on Form IH.102A together with form IH.102. Form 102 A 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 received. 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.

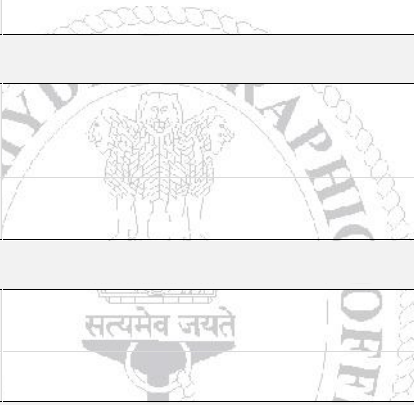
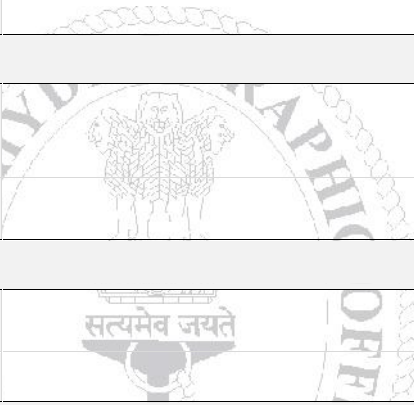


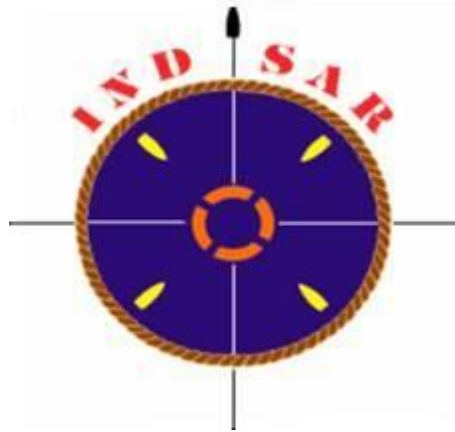
| <b>HYDROGRAPHIC NOTE</b>  |   |                                       |                                    | <b>IH.102<br/>(Revised 2012)</b> |  |
|---|---|---------------------------------------|------------------------------------|----------------------------------|--|
| For Forwarding information 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**