

# INDIAN NOTICES TO MARINERS



EDITION NO. 06 DATED 16 MAR 2023

(CONTAINS NOTICES 063 TO 067)

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)

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



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



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## II

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

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

**Chief Hydrographer  
to the Government of India**

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

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

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

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

### III

## **EXPLANATORY NOTES**

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

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

**Temporary and Preliminary Notices.** These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. SI Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

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

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

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

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

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

**Radio Navigational Warnings.**

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

## IV

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

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

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

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

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

- (a) The positions of hydrographic objects shown on some of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist 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<sub>s</sub> AND PUBLICATION

1. The new 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>
NIL					

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>
NIL					

3. The Indian Charts that are 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>
NIL				

4. The new Indian Electronic Navigational Chart 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>
NIL			

5. The new edition Indian Electronic Navigational Chart that is available for mariners in the market is as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN43041P	3041	APPROACHES TO PARADIP	09-MAR-2023

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

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN43041P	3041	APPROACHES TO PARADIP	26-SEP-2016

7. The forthcoming Indian Chart is as follows:-

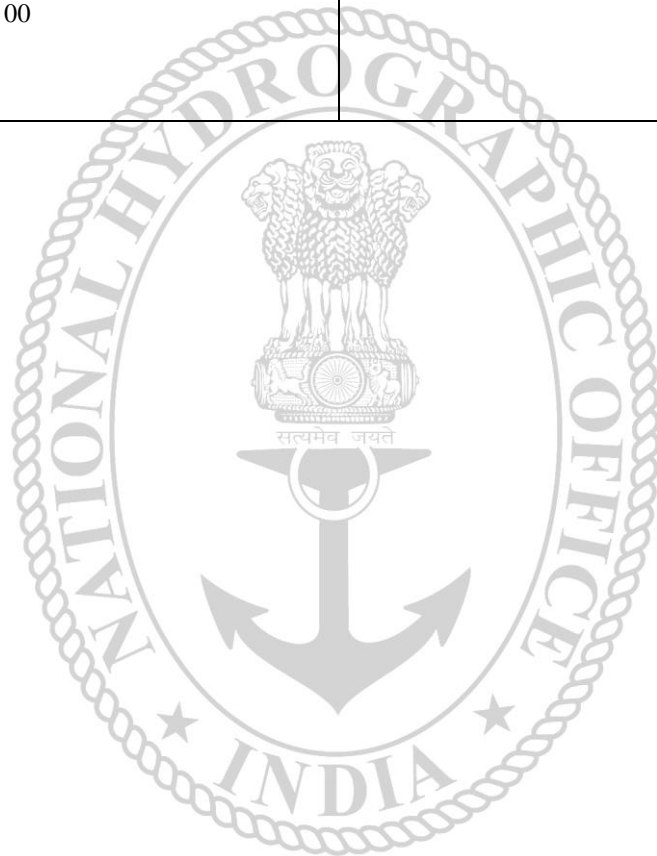
<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
2025	RELIANCE TANKER BERTHS	7500	New Chart

## VI

### 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 worldwide network of their agents and distributors. Updates are also made available as per the existing policy of the distributor. Mariners and other ENC users may contact the under mentioned for further details:

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



**SECTION – I**

The list of charts affected by the Notices 063 to 067 contained in this edition is as follows:-

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
21	2	064 (T), 066 (T), 067 (T)
22 (INT 752)	3	064 (T), 067 (T)
31 (INT 756)	5	063, 065(T), 066 (T), 067 (T)
32 (INT 754)	5	063, 065(T), 066 (T), 067 (T)
33(INT 755)	5	065(T), 066 (T)
41 (INT 757)	6	065(T)
205	2	067 (T)
206	2	067 (T)
207	2	064 (T)
209	3	064 (T)
210	3	064 (T)
211	3	064 (T), 067 (T)
212	3	067 (T)
213	3	067 (T)
215	3	067 (T)
216	4	067 (T)
219	4	067 (T)
221	4	067 (T)
222	4	067 (T)
223	4	067 (T)
224	5	067 (T)
252 (INT 7325)	2	067 (T)
253 (INT 7328)	2	064 (T), 067 (T)
254 (INT 7331)	3	064 (T)
255 (INT 7334)	3	064 (T), 067 (T)
256 (INT 7340)	3	064 (T), 067 (T)
257 (INT 7343)	4	067 (T)
258 (INT 7348)	4	067 (T)
259 (INT 7356)	4	067 (T)
260 (INT 7362)	4	067 (T)
261 (INT 7363)	4	067 (T)
262 (INT 7365)	5	067 (T)
263 (INT 7383)	5	067 (T)
268 (INT 7353)	4	067 (T)
272	4	067 (T)
273	4	067 (T)
291	2	066 (T)
292 (INT 7021)	2	064 (T), 067 (T)
293 (INT 7022)	3	064 (T), 067 (T)
294 (INT 7023)	2	067 (T)
295 (INT 7024)	3	067 (T)
305	5	067 (T)
308 (INT 7409)	5	067 (T)
315	5	066 (T)
316	5	066 (T)
351 (INT 7419)	5	067 (T)
352 (INT 7416)	5	067 (T)

353 (INT 7413)	5	067 (T)
354 (INT 7408)	5	067 (T)
355 (INT 7405)	5	063
358 (INT 7394)	5	066 (T)
391	5	063, 065(T), 067 (T)
404 (INT 7439)	6	065(T)
405 (INT 7440)	6	065(T)
472 (INT7032)	6	065(T)
473 (INT 7031)	6	065(T)
2008	3	067 (T)
2023	4	067 (T)
2028	3	067 (T)
2032	4	067 (T)
2037	5	067 (T)
2048	4	067 (T)
2053	4	067 (T)
2101 (INT 7347)	3	064 (T)
2104	4	067 (T)
2120	3	067 (T)
2353	3	067 (T)
3002 (INT 7410)	5	067 (T)
3035	5	067 (T)
3043	5	067 (T)
4115	6	065(T)
7070 (INT 70)	1	066 (T)
7071 (INT 71)	1	066 (T), 067 (T)
7072 (INT 72)	1	066 (T), 067 (T)
7073 (INT 73)	1	066 (T), 067 (T)
7508 (INT 508)	1	066 (T)
7701 (INT 701)	1	066 (T)
7702 (INT 702)	1	066 (T)
7703 (INT 703)	1	066 (T), 067 (T)
7705 (INT 705)	1	066 (T), 067 (T)
7706 (INT 706)	1	065(T), 066 (T), 067 (T)
7707 (INT 707)	1	066 (T), 067 (T)
7708 (INT 708)	1	066 (T)



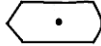
**SECTION – II****PERMANENT NOTICES**

**\*063 (06/23) INDIA – EAST COAST – Ramayapatnam to Sacramento Shoal – FPSO.**

Source: ONGC, Kakinada.

**Chart 31 (INT 756)** [previous update 055/23]

Insert



16° 22′.13N, 082°19′.24E.

**Chart 32 (INT 754)** [previous update 205/22]

Insert



16° 22′.13N, 082°19′.24E.

**Chart 391** [previous update 205/22]

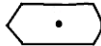
Insert



16° 22′.13N, 082°19′.24E.

**Chart 355 (INT 7405)** [previous update 205/22]

Insert



16° 22′.13N, 082°19′.24E.



Section – IIITEMPORARY AND PRELIMINARY NOTICES

1. It is brought to the information to the users that same or all information contained in this Temporary Notices to mariner may have been included in the relevant ENC's.
2. New TPNMs are now part of ENC updates from 01 Oct 22 onwards.
3. All in force Temporary and Preliminary Notices are available for visualisation along with details of affected Charts and ENCs for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on [www.hydrobharat.gov.in](http://www.hydrobharat.gov.in).

<b>*064 (T) (06/23)</b>	<b>INDIA – WEST COAST – Arabian Sea – Oil Rigs.</b>
Source: NCD, Mumbai.	
1. List of Oil Rigs is as follows: -	
<b>Rig Name</b>	<b>Position</b>
Aban III	18° 40'.37N., 072° 21'.47E.
Aban IV	19° 34'.72N., 071° 20'.64E.
CE Thornton	19° 26'.11N., 071° 24'.16E.
Aban VIII	18° 44'.50N., 072° 19'.63E.
Compact Driller	21° 01'.91N., 072° 33'.25E.
Discovery 1	19° 15'.95N., 072° 06'.05E.
DS Fossil	19° 21'.43N., 071° 17'.06E.
DS Fortune	18° 34'.48N., 072° 16'.76E.
FG MC Clintok	20° 41'.85N., 071° 44'.81E.
<b>Foresight Driller IX</b>	<b>18° 40'.04N., 072° 19'.94E.</b>
Great Drill Chaaru	19° 36'.62N., 071° 20'.66E.
Great Drill Chetna	18° 47'.74N., 071° 15'.67E.
Great Drill Chaaya	18° 38'.79N., 072° 14'.94E.
Great Drill Chitra	18° 56'.92N., 072° 15'.93E.
Jindal Star	18° 33'.72N., 072° 17'.66E.
Jindal Supreme	18° 46'.85N., 072° 17'.12E.
JT Angel	20° 11'.52N., 071° 52'.25E.
Jindal Explorer	19° 13'.35N., 072° 10'.87E.
Parameswara	19° 31'.76N., 071° 17'.39E.
Ron Tappmeyer	20° 37'.32N., 071° 38'.77E.
Sagar Vijay	20° 24'.79N., 069° 22'.51E.
<b>Sagar Jyoti</b>	<b>18° 39'.23N., 072° 18'.19E.</b>
Sagar Kiran	20° 25'.80N., 071° 54'.61E.
<b>Sagar Ratna</b>	<b>20° 11'.59N., 072° 17'.33E.</b>
Sagar Shakti	20° 20'.87N., 072° 13'.94E.
Sagar Uday	19° 23'.15N., 071° 51'.37E.
Sagar Gaurav	19° 39'.07N., 071° 55'.36E.
Trident 2	19° 33'.38N., 071° 19'.70E.
Trident 12	19° 07'.39N., 072° 06'.44E.
Vivekananda 1	19° 08'.72N., 071° 55'.25E.
Vivekananda 2	18° 39'.22N., 070° 58'.86E.
Virtue 1	19° 10'.61N., 70° 57'.65E.
Victory Driller	19° 15'.66N., 71° 21'.21E.
2. <b>All Highlighted Oil Rigs reflects changes in position of respective Oil Rigs from previous Notice.</b>	
3. All vessels operating in vicinity are to maintain a clearance of 01 NM off the oil rigs.	
4. All positions referred to WGS 84 datum	

**Charts Affected – 21 – 22 (INT 752) - 292 (INT 7021) – 293 (INT 7022) – 253 (INT 7328) – 254 (INT 7331) – 255 (INT 7334) – 256 (INT 7340) – 207 – 209 – 210 – 211 – 2101 (INT 7347)**

**Former INTM 056 (T)/23 is cancelled.**

**\*065 (T) (06/23) INDIA – EAST COAST – Bay of Bengal – Andaman Sea – Data Buoys and Tsunami Buoys.**

Source: NIOT, Chennai.

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

<b>Buoy No./Name</b>	<b>Position</b>	<b>Chart Affected</b>
<b>BD08/OB</b>	<b>17° 48'·90N., 089° 11'·18E</b>	31(INT 756)
<b>BD09/OB</b>	<b>17° 27'·80N., 089° 08'·75E</b>	31(INT 756)
BD10/OB	16° 19'·70N., 087° 59'·65E	31(INT 756)
BD11/OB	13° 28'·10N., 084° 07'·30E	32 (INT 754), 33(INT 755), 391
<b>BD12/OB</b>	<b>10° 27'·88N., 094° 07'·23E</b>	41 (INT 757), 472 (INT7032)
BD13/OB	13° 59'·75N., 087° 00'·29E	33 (INT 755)
<b>BD14/OB</b>	<b>06° 35'·87N., 088° 23'·93E</b>	33 (INT 755)
CB01/CB	11° 35'·33N., 092° 35'·77E	33 (INT 755), 41 (INT 757), 473 (INT 7031), 404 (INT 7439), 405 (INT 7440), 4115
<b>TB05/TB</b>	<b>10° 09'·67N., 088° 29'·48E</b>	33 (INT 755)
<b>TB06/TB</b>	<b>14° 41'·77N., 089° 33'·17E</b>	31(INT 756)
<b>TB09/TB</b>	<b>16° 55'·87N., 089° 59'·65E</b>	31(INT 756)
STB05/TB	13° 28'·20N., 088° 59'·40E	33(INT 755), 7706 (INT 706)

2. **All Highlighted Buoys reflects changes in position of respective buoys from previous Notice.**

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

4. All positions are in WGS 84 datum.

**Former INTM 052 (T)/23 is cancelled.**

**066 (T) (06/23) INDIAN OCEAN - NORTHERN PART - RAMA Buoys.**

Source: NOAA.

1. The research moored array of African - Asian - Australian Monsoon analysis and prediction (RAMA) buoys laid in following positions:-

<b>Buoy No./Name</b>	<b>Position</b>
RA185A	15° 01'.70N., 089° 02'.50E
RA184A	00° 00'.00N., 089° 57'.60E
<b>RA176A</b>	<b>00° 59'.00S., 100° 22'.90E</b>
RA175A	01° 32'.90S., 080° 34'.00E
<b>RA183A</b>	<b>07° 56'.30N., 067° 06'.10E</b>
<b>RA182A</b>	<b>04° 14'.10N., 066° 40'.60E</b>
RA181A	08° 07'.70S., 110° 32'.90E
<b>RA180A</b>	<b>00° 24'.60N., 067° 01'.10E</b>
<b>RA179A</b>	<b>01° 36'.10S., 066° 49'.20E</b>
<b>RA177A</b>	<b>04° 07'.20S., 057° 10'.90E</b>
<b>RA178A</b>	<b>09° 25'.00S., 051° 07'.30E</b>
RT033	09° 46'.60N., 080° 16'.60E
RT030	00° 47'.80S., 083° 06'.70E
RT029	12° 34'.90S., 068° 50'.60E
RT028	11° 50'.50S., 080° 18'.80E
<b>RT036</b>	<b>06° 13'.50S., 068° 12'.80E</b>
<b>RT035</b>	<b>12° 12'.20S., 067° 14'.20E</b>
RT032	25° 06'.80N., 062° 20'.00E

2. **All Highlighted Buoys reflects changes in position of respective buoys from previous Notice.**

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

4. All positions are in WGS 84 datum.

**Charts Affected - 21 - 31 (INT 756) - 32 (INT 754) - 33 (INT 755) - 291 - 315 - 316- 358 (INT 7394) - 7070 (INT 70) - 7071 (INT 71) - 7072 (INT 72) - 7073 (INT 73) - 7508 (INT 508) - 7701 (INT 701) - 7702 (INT 702) - 7703 (INT 703) - 7705 (INT 705) - 7706 (INT 706) - 7707 (INT 707) - 7708 (INT 708).**

**Former INTM 053 (T)/23 is cancelled.**

<b>*067 (T) (06/23)</b>		<b>INDIAN OCEAN – Northern Part – Wave Rider Buoys.</b>	
Source: INCOIS.			
1. Moored yellow coloured Wave Rider Buoys (WRB) are deployed by INCOIS in following positions:-			
<b>WRB Buoy</b>	<b>Positions</b>		<b>Charts affected</b>
<b>WRB Digha</b>	<b>21° 22'.20N</b>	<b>087° 37'.28E</b>	<b>31 (INT 756) – 351 (INT 7419)- 7071 (INT71) – 7073 (INT 73) – 7706 (INT 706)</b>
WRB Gopalpur	19° 15'.27N	084° 56'.13E	31 (INT 756) – 305 – 352 (INT 7416) – 353 (INT 7413) - 3043– 7706 (INT 706)
WRB Kanyakumari	08° 06'.48N	077° 17'.88E	22 (INT 752) – 32 (INT 754) – 222 – 223 – 261 – 262 (INT 7365) – 263 (INT 7383) – 2048 – 7703 (INT 703) – 7706 (INT 706) – 7707 (INT 707)
WRB Tuticorin	08° 52'.93N	078° 17'.72E	32 (INT 754) – 224 – 262 (INT 7365) – 2037 – 7706 (INT 706) – 7707 (INT 707)
WRB Kollam	08° 52'.13N	076° 32'.80E	22 (INT 752) – 32 (INT 754) – 221 – 222 – 260 (INT 7362) – 2032 – 2104 – 7703 (INT 703) – 7706 (INT 706) – 7707 (INT 707)
<b>WRB Kozhikode</b>	<b>11° 17'.90N</b>	<b>075° 39'.78E</b>	<b>22 (INT 752) – 219 – 258 (INT 7348) – 259 (INT 7356) – 272 – 294 – 2053 – 7071 (INT 71) – 7073 (INT 73) – 7703 (INT 703) – 7705 (INT 705) – 7706 (INT 706)</b>
WRB Karwar	14° 48'.88N	074° 03'.12E	22 (INT 752) – 215 – 216 – 257 (INT 7343) – 293 (INT 7022) – 294 – 2008 – 2120 – 2353 – 7705 (INT 705) – 7706 (INT 706)
WRB Ratnagiri	16° 58'.60N	073° 15'.20E	22 (INT 752) – 212 – 213 – 256 (INT 7340) – 293 (INT 7022) – 2028 – 7705 (INT705) – 7706 (INT 706)
WRB Versova	19° 07'.92N	072° 44'.22E	21– 22 (INT 752) – 211 – 255 (INT 7334) – 292 (INT 7021) – 7705 (INT 705) – 7706 (INT 706)
WRB Kavaratti	10° 32'.23N	072° 36'.63E	22 (INT 752) – 268 (INT 7353) – 273 – 295 – 2023 – 7703 (INT 703) – 7705 (INT 705) – 7706 (INT 706)
<b>WRB Veraval</b>	<b>20° 53'.42N</b>	<b>070° 22'.92E</b>	<b>21 – 205 – 206 – 252 (INT 7325) – 253 (INT 7328) – 292 (INT 7021) – 7071 (INT 71) – 7072 (INT 72) – 7073 (INT 73) – 7705 9INT 705)</b>
<b>WRB Visakhapatnam</b>	<b>17° 38'.30N</b>	<b>083° 15'.93E</b>	<b>31 (INT 756) – 32 (INT 754) – 308 (INT 7409) – 354 (INT 7408) – 391 – 3002 (INT 7410) – 3035 – 7071 (INT 71) – 7073 (INT 73) – 7706 (INT 706)</b>
2. <b>All Highlighted Buoys reflects changes in position of respective buoys from previous Notice.</b>			
3. All positions referred to WGS 84 datum.			
4. Vessels operating in vicinity are to maintain a safe distance from buoys and exercise caution.			
5. <b>Former INTM 202 (T)/22 is cancelled.</b>			

## SECTION – IV

### MARINE INFORMATION

#### 1. NAVTEX TRANSMISSION

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

Mauritius (Cassis)	- Operational
Seychelles (Mahe)	- Operational
Myanmar (Yangon, Myeik, Kyau Phyu)	- Operational

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

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

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

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

#### 3. DISPLAY ANOMALIES IN ECDIS

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website [www.iho.int](http://www.iho.int), to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode. Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See [www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html](http://www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html) for further information.

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

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

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

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

(b) **Traffic Separation Schemes (TSS):** The TSS is mandatory for all Indian and foreign flag ships and vessels entering and leaving.

#### 5. **GAGAN SYSTEM COMMISSIONED FOR OPERATIONS**

The GAGAN System is now commissioned for safety of life, civil aviation, and en- route operations in addition to all other non-aviation applications. The GAGAN signal is being broadcasted through GSAT-8 and GSAT-10 with PRN127 & 128 respectively. All the GPS users are requested to enable SBAS functionality in their receivers, configure it to receive PRN- 127 & 128 and avail the benefits of GAGAN in terms of increased accuracy and reliability. There may be occasional signal outages due to system up-gradation activities.

#### 6. **USAGE OF THURAYA/ IRIDIUM AND SATELLITE PHONE**

(a) 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.

(b) 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).

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

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

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

#### 8. **ADVISORY FOR ALL VESSELS NAVIGATING INDIAN WATERS**

(a) All vessels navigating in Indian waters are cautioned to keep a sharp look-out for fishing vessels and small crafts, as there have been several incidents of collisions with such vessels in the past resulting in loss of innocent lives as well as damage to property.

(b) It is further cautioned that all vessels need to exercise extreme care while navigating during hours of darkness as such vessels are generally of primitive built (wood/fibre/etc) due to which it may not be detected on ship's radar, especially during adverse weather conditions. Also, such vessels may not be properly lit, or sometimes, only one vessel may be lit among multiple vessels in a cluster.

(c) The general areas of concern on the west coast of India are the areas of convergence and divergence of traffic, mainly between Mangalore to Kanyakumari (Cape Comorin). Further, in these areas, additional caution needs to be exercised and wide berth be given to all such vessels.

(d) All fishing vessels are also cautioned to avoid fishing in areas having high density traffic. All fishing vessels are also required to always maintain proper lookout by sight, hearing and by all available means and comply with all applicable provisions of Collision Regulations.

### List of Indian Chart Agents

<p><b>OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a></p>	<p><b>M/s VDO Marine Instruments</b> Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow &amp; Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: <a href="mailto:atmain@md4.vsnl.net.in">atmain@md4.vsnl.net.in</a></p>
<p><b>M/s Global Charts &amp; Nav. Aids Pvt. Limited</b> 1A, Goa Mansion, Ground Floor, 58, Dr. SunderlalBahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: <a href="mailto:sales@globalcharts.in">sales@globalcharts.in</a> Web: <a href="http://www.globalcharts.com.sg">www.globalcharts.com.sg</a></p>	<p><b>SMS Marine Private Ltd</b> 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a> , <a href="mailto:raj.chakravorty@smsmap.com">raj.chakravorty@smsmap.com</a> Web: <a href="http://www.smsmaps.co.in">www.smsmaps.co.in</a></p>
<p><b>M/s C &amp; C Marine Combine</b> 25 Bank Street, 1<sup>st</sup> Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: <a href="mailto:vijay@ccmarine.in">vijay@ccmarine.in</a>, <a href="mailto:sales@ccmarine.in">sales@ccmarine.in</a></p>	<p><b>M/s Global Marine Infratech Pvt. Ltd.</b> SikshaSandan, Ground Floor, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell: - +91-9337477799, 7077702499 Email: <a href="mailto:tusarkantha@gmiindia.in">tusarkantha@gmiindia.in</a> Web: <a href="http://www.gmiindia.in">www.gmiindia.in</a></p>
<p><b>M/s JM Maritime Services</b> 24/24C Kavarana Building, Ground Floor, WadiBunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : <a href="mailto:jmms@mtnl.net.in">jmms@mtnl.net.in</a> , <a href="mailto:charts@mtnl.net.in">charts@mtnl.net.in</a></p>	<p><b>L. R. Marine Services</b> 301, 3rd Floor, Biryra House, 265, PerinNariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: <a href="mailto:lrcharts@gmail.com">lrcharts@gmail.com</a>, <a href="mailto:lrmarine@live.com">lrmarine@live.com</a></p>
<p><b>M/s Lift o Marine</b> Allen's Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: <a href="mailto:sankar@liftmarine.org">sankar@liftmarine.org</a>, <a href="mailto:liftmarine77@gmail.com">liftmarine77@gmail.com</a> Web: <a href="http://www.liftmarine.org">www.liftmarine.org</a></p>	<p><b>IIC Technologies Limited</b> 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a></p>
<p><b>M/s Zenith Surveys (I) Pvt. Ltd.</b> Lakhani'sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: <a href="mailto:zenithsurveys703@gmail.com">zenithsurveys703@gmail.com</a> <a href="mailto:nyvmane@yahoo.com">nyvmane@yahoo.com</a> Web: <a href="http://www.zenithsurvey.com">www.zenithsurvey.com</a></p>	<p><b>M/s CNC</b> Office No. S-12-92, Haware's Centurion Premises Coop. Soc. Ltd Plot no 88-91, Sector 19, NERUL, Navi Mumbai – 400706 Tel: +91 22 22660017/ +91 22 49747575 Cell No: +91 9920654848/ +91 7506097212 Email: <a href="mailto:sales@emariner.net">sales@emariner.net</a></p>



**SECTION – V****NAVAREA – VIII WARNINGS IN FORCE.**

1. All in force NAVAREA and NAVTEX messages are available for visualisation along with details of affected Charts and ENC's for mariners on **INDIAN WARNINGS INFORMATION AND NAVIGATION SERVICES (INDIA – WINS)** on [www.hydrobharat.gov.in](http://www.hydrobharat.gov.in).
2. For details of NAVAREA limits and organisation/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2020.
3. NAVAREA VIII Warnings in force as on 16 Mar 23: -

<b>2021 SERIES</b> - 286 340 463 478 544 629 658 759 761 833
<b>2022 SERIES</b> - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 601 606 615 617 646 651 656 688 691 702 757 805 824 856 931 956 970 980 997 1002 1011
<b>2023 SERIES</b> - 004 036 037 063 064 071 081 104 111 112 116 126 136 144 145 148 150 161 162 167 170 172 178 179 185 188 193 196 199 200 201 204 205 206 209 215 216 217 218 219 220 221 222 224 225 227 228 230 231 232 233 234 235 236

4. NAVAREA VIII Warnings issued during the period from 01 Mar 23 to 15 Mar 23 (both dates inclusive) are as tabulated below: –

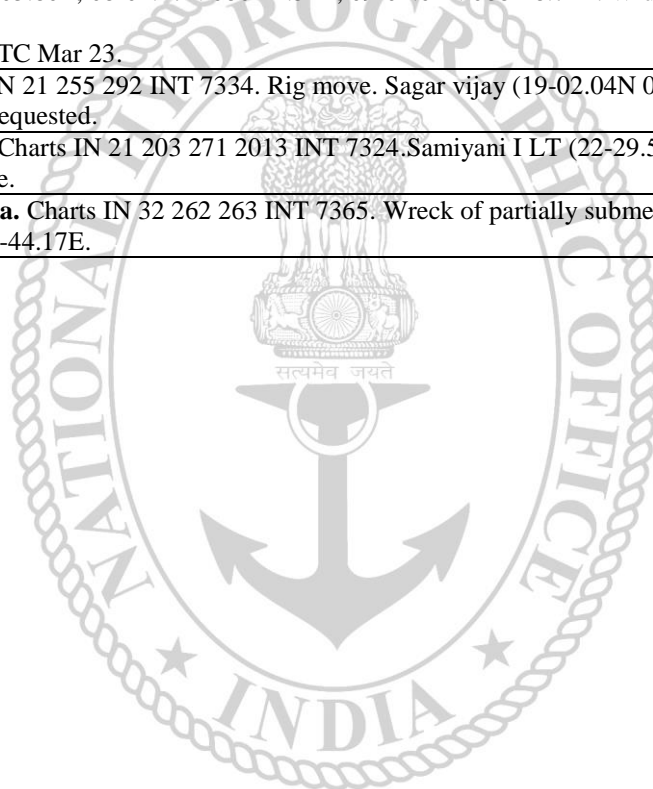
<b>196. India West Coast.</b> Charts IN 21 254 255 292 INT 7021. Rig move. Sagar Ratna (20-11.59N 072-17.33E) and Sagar Jyoti (18-39.23N 072-18.19E). Refer to 050(T) of INTM 04/23. Wide berth requested.
<b>197. India East Coast - off Visakhapatnam.</b> Charts IN 31 308 3002 INT 7410. Experimental flight trials scheduled from 04 to 05 Mar 23 from 0530 to 0930 UTC in danger area bounded within 17-38.83N to 17-39.98N and 083-36.70E to 083-37.90E. Wide berth from area advised. 2. Cancel this MSG 051030 UTC Mar 23.
<b>198. India West Coast - off Mormugao.</b> Charts IN 22 215 257 293 294 7705 INT 752. Subsurface firing scheduled from 04 to 06 Mar 23 from 0030 to 1730 UTC in danger areas bounded by (a) 15-36N 071-50E, 14-39N 073-40E, 14-00N 074-00E, 13-30N 073-02E, 14-31N 071-24E (b) 17-23N 070-35E, 16-58N 071-25E, 16-24N 072-09E, 14-31N 071-24E, 16-15N 068-37E. Wide berth from area advised. 2. Cancel this MSG 061830 UTC Mar 23.
<b>199. India East Coast - Tuticorin.</b> Charts IN 32 224 2075 INT 7366. DGPS (08-47.14N 078-11.83E) transmission will be switched off from 020030 UTC Mar 23 for maintenance.
<b>200. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7334. Lanpan 27 progressing pipeline survey in vicinity of 19-22.45N 071-21.46E, 19-25.05N 071-14.48E, 18-34.97N 072-14.45E, 18-08.49N 072-22.07E. Wide berth Requested. 2. Cancel this MSG 251830 UTC Mar 23.
<b>201. India West Coast - Gulf of Khambhat.</b> Charts IN 21 208 254 INT 7331. Aero pride progressing seismic survey in area bounded by 22-12.39N 072-22.48E, 22-12.40N 072-25.03E, 22-11.22N 072-25.14E, 22-11.27N 072-28.65E, 22-13.59N 072-28.74E, 22-13.68N 072-30.90E, 22-02.85N 072-30.15E, 22-02.85N 072-30.27E, 21-52.75N 072-30.36E, 21-52.69N 072-33.45E, 21-49.19N 072-33.46E, 21-48.98N 072-19.75E, 21-54.34N 072-19.72E, 21-54.35N 072-22.68E. Wide berth requested. 2. Cancel this MSG 191830 UTC Mar 23.
<b>202. India West Coast - off Kollam.</b> Charts IN 22 7706 INT 7362. Firing scheduled 04, 05 Mar 23 from 0430 to 1130 UTC in danger area bounded within 08-50N TO 09-00N and 075-05E TO 075-15E. Wide berth from area advised. 2. Cancel this MSG 051230 UTC Mar 23.
<b>203. Cancel NAVAREA VIII MSG 137/23, 143/23, 168/23, 173/23, 187/23 and this MSG. INTM 056(T) 058(T) 061(T) 05/23 REFERS.</b>
<b>204. India East Coast - Pamban I.</b> Charts IN 32 358 3040 INT 7394. Rameswaram DGPS (09-17.03N 079-18.53E) transmission switched off for maintenance.
<b>205. India East Coast.</b> Charts IN 31 355 INT 7405. Rig move. DDKG 1 (16-31.65N 082-36.06E). Refer to 058(T) of INTM 05/23. Wide berth requested.
<b>206. India West Coast - off Mumbai.</b> Charts IN 21 211 255 INT 7334. AL Marwa and Akash III progressing Cable laying operation in areas bounded by (a) 19-06.00N 072-48.15E, 19-06.51N 072-47.92E, 19-07.02N 072-49.37E, 19-06.48N



<p><b>206. Continued</b> 072-49.41E (b) 19-06.58N 072-48.11E, 19-06.15N 072-48.46E, 19-05.39N 072-47.38E, 19-05.77N 072-46.97E (c) 19-05.45N 072-47.52E, 19-05.77N 072-46.97E, 19-04.65N 072-46.44E, 19-04.32N 072-46.98E (d) 19-01.90N 072-41.90E, 19-04.31N 072-47.03E, 19-04.79N 072-46.73E, 19-02.45N 072-41.81E. Wide berth requested. 2. Cancel this MSG 151830 UTC Mar 23.</p>
<p><b>207. India West Coast - off Mumbai.</b> Charts IN 21 292 293 INT 7022. Strider progressing cable laying operation in vicinity OF 17-06.57N 071-53.02E, 17-18.65N 071-57.88E, 17-24.55N 071-59.53E, 17-34.45N 072-02.20E, 17-46.71N 072-05.45E, 18-12.22N 072-08.00E, 18-24.96N 072-08.82E, 18-38.88N 072-08.34E, 18-49.51N 072-09.66E. Wide berth requested. 2. Cancel this MSG 081830 UTC Mar 23.</p>
<p><b>208. India East Coast - off Balasore.</b> Charts IN 31 351 352 INT 756. Experimental flight trials scheduled on 06, 07, 09, 10, 11, 13, 14 Mar 23 from 0430 to 0630 UTC and 0900 TO 1100 UTC in danger area bounded by (a) 21-42.42N 087-45.60E (b) 21-03N 088-52.50E (c) 19-39.67N 087-43.02E (d) 20-20.03N 086-46.50E (e) 20-42.16N 087-08.88E (f) 20-57.37N 086-54.87E. Danger area extending up to coastline joining point A and F. Wide berth from area advised. 2. Cancel this MSG 141200 UTC Mar 23.</p>
<p><b>209. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7334. Athba progressing submarine cable repairs in area bounded within 18-58.44N to 18-59.92N and 072-01.79E TO 072-17.67E. Wide berth of 01 Nm requested. 2. Cancel this MSG 201830 UTC Mar 23.</p>
<p><b>210. NAVAREA VIII - Warnings in force as on 03 Mar 2023</b> <b>2021 Series</b> - 286 340 463 478 544 629 658 759 761 833 <b>2022 Series</b> - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 601 606 615 617 646 651 656 688 691 702 757 805 824 856 931 956 970 980 997 1002 1011 <b>2023 Series</b> - 004 015 036 037 063 064 071 081 090 104 105 111 112 115 116 126 127 136 144 145 147 148 150 151 161 162 167 170 171 172 175 177 178 179 180 182 183 184 185 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 (a) NAVAREA VIII warnings less than 42 days promulgated via safetynet. (b) text of NAVAREA VIII warning inforce including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a> 2. Cancel this MSG 101830 UTC Mar 23.</p>
<p><b>211. India East Coast - off Sagar I.</b> Charts IN 31 301 351 INT 7419. Firing by CG aircraft scheduled on 09 Mar 23 from 0430 to 1030 UTC in danger area bounded within 20-37N to 20-52N and 088-30E to 089-00E. Wide berth from area advised. 2. Cancel this MSG 091130 UTC Mar 23.</p>
<p><b>212. India East Coast - off Chennai.</b> Charts IN 32 313 356 391 INT 7400. Firing by CG aircraft scheduled on 10 Mar 23 from 0130 to 1130 UTC in danger area bounded within 12-49N TO 12-59N and 080-46E TO 081-26E Wide berth from area advised. 2. Cancel this MSG 101230 UTC Mar 23.</p>
<p><b>213. Cancel NAVAREA VIII MSG 015/23 and this MSG.</b></p>
<p><b>214. Lakshadweep Sea - Androth I.</b> Charts IN 268 2007 INT 7353. East End LT (10-48.91N 073-42.1E) Unlit.</p>
<p><b>215. Arabian Sea.</b> Charts IN 22 7073 7703 INT 703. SW BLY progressing Seismic survey in area bounded by 08-57.2N 068-35.17E, 09-59.99N 073-01.39E, 10-54.12N 072-51.16E, 15-38.63N 070-56.72E, 15-07.38N 069-25.84E, 13-48.72N 068-25.89E, 11-47.41N 067-53.93E. Wide berth requested. 2. Cancel this MSG 161830 UTC Mar 23.</p>
<p><b>216. Arabian Sea.</b> Charts IN 22 293 7705 INT 705. SW thuridur progressing seismic survey in area bounded by 18-13.86N 070-30.05E, 17-44.86N 070-48.93E, 15-13.05N 071-34.2E, 14-05.68N 069-38.74E, 14-27.26N 069-17.31E, 14-48.26N 069-06.08E, 16-22.8N 069-22.13E, 17-27.97N 068-29.76E. Wide berth requested. 2. Cancel this MSG 151830 UTC Mar 23.</p>
<p><b>217. India East Coast - off Machilipatnam.</b> Charts IN 31 355 391 INT 7405. Teja and Sea giant progressing geophysical and geotechnical survey in areas bounded by (a) 16-25.57N 082-01.01E, 16-24.5N 082-04.1E, 16-23.48N 082-03.72E, 16-24.66N 082-00.39E (b)16-23.26N 081-56.26E, 16-21.24N 081-56.88E, 16-20.93N 081-55.8E, 16-22.99N 081-55.14E. Wide berth requested. 2. Cancel this MSG 021830 UTC Apr 23.</p>
<p><b>218. Andaman Sea.</b> Charts IN 33 41 7706 INT 706. Eagle explorer will carry out seismic survey in vicinity of 15-37.06N 090-15.58E, 14-57.78N 089-46.12E, 14-14.11N 089-29.08E, 12-44.57N 089-01.72E, 12-36.56N 089-22.4E, 12-36.56N 091-05.45E, 11-34.28N 091-05.45E, 11-34.28N 092-19.26E, 12-36.56N 092-19.26E, 13-20.28N 092-56.16E, 13-36.08N 092-56.16E, 13-36.08N 094-04.93E, 13-45.63N 094-04.93E, 13-52.61N 093-12.07E, 14-47.79N 091-47.72E, 15-33.12N 090-36.22E from 07 to 27 Mar 23. Tow length 10km. Wide berth requested. 2. Cancel this MSG 271830 UTC Mar 23.</p>
<p><b>219. Andaman Sea.</b> Charts IN 33 7706 INT 755. Responder progressing cable installation works from 06 to 15 Mar 23 in areas bounded by (a) 09-37.13N 092-52.62E, 09-37.69N 092-43.61E, 09-33.94N 092-43.42E, 09-33.27N 092-52.5E (b)</p>

<p><b>219. Continued</b> 09-40N 092-46.01E, 09-23.67N 091-07.69E, 09-29.11N 089-51.3E, 09-08.3N 088-20.42E, 09-00.7N 088-22.18E, 09-21.33N 089-51.5E, 09-14.13N 091-14.15E, 09-32.03N 092-45.03E (c) 09-20.7N 088-26.07E, 09-14.93N 088-04.83E, 08-52.67N 088-12.15E, 08-58.74N 088-33.1E (d) 09-14.14N 088-24.7E, 08-15.9N 086-05.8E, 08-02.17N 086-11.54E, 09-01.02N 088-28.72E. Wide berth of 02 Nm requested. 2. Cancel this MSG 151830 UTC Mar 23.</p>
<p><b>220. Andaman Sea - Car Nicobar.</b> Charts IN 407 4161 INT 7445. Keating point (09-15.36N 092-46.5E) DGPS transmission will be switched off from 0030 UTC on 08 Mar 23.</p>
<p><b>221. India West Coast.</b> Charts IN 21 211 255 INT 7334. Rig move. Foresight driller IX (18-40.04N 072-19.94E). Refer to 056(T) of INTM 05/23. Wide berth requested.</p>
<p><b>222. India West Coast - off Mumbai.</b> Charts IN 21 211 255 INT 7334. ENA habitat progressing installation activities at (a) 19-20.06N 072-01.26E from 06 to 20 MAR 23 (b) 19-07.79N 071-59.93E from 21 Mar to 15 Apr 23. Wide berth requested. 2. Cancel this MSG 151830 UTC Apr 23.</p>
<p><b>223. India West Coast - off Trivandrum.</b> Charts IN 22 222 260 261 INT 752. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 10 Mar 23 from 0530 TO 0700 UTC(.) Danger sector (a) Radius of 05 Nm between azimuth 190 and 300 (b) Radii of 45 Nm and 75 Nm between azimuth 220 and 260. Wide berth from area advised. 2. Cancel this MSG 100800 UTC Mar 23.</p>
<p><b>224. India West Coast - Off Daman.</b> Charts IN 21 211 292 INT 7021. LTS 3000, Britoil 72 and britoil 81 progressing installation work in vicinity of 20-36.05N 072-02.17E, 20-36.01N 072-02.15E, 20-36.02N 072-02.23E, 20-44.76N 071-55.57E, 20-32.77N 071-58.97E, 20-37.74N 072-04.06E, 20-34.58N 072-00.13E. Wide berth requested. 2. Cancel this MSG 151830 UTC May 23.</p>
<p><b>225. India East Coast - off Balasore.</b> Charts IN 31 301 351 3011 INT 7419. Experimental flight trials scheduled 10 to 11, 13 to 18, 20 to 25 and 27 to 31 Mar 23 from 0430 to 0630 and 0830 TO 1000 UTC in danger area bounded by (a) 20-57N 086-54E (b) 21-41N 087-54E (c) 21-31N 087-42E (d) 21-13N 087-23E. Danger area extending up to coastline joining point A and B. Wide berth from area advised. 2. Cancel this MSG 311100 UTC Mar 23.</p>
<p><b>226. Bay of Bengal.</b> Charts IN 33 7073 7706 INT 706. Unmanned barge and tug Shivali reported adrift in approximate position 08-26.91N 084-55.45E at 081030 UTC Mar 23. 2. Cancel this MSG 111030 UTC Mar 23.</p>
<p><b>227. Southern Indian Ocean.</b> Charts IN 7070 7073 INT 73. Space debris predicted in area bounded by 20-58S 066-09E, 20-56S 064-27E, 44-35S 063-35E, 44-37S 065-49E from 09 to 15 Mar 23 between 2045 and 2200 UTC. 2. Cancel this MSG 152300 UTC Mar 23.</p>
<p><b>228. India West Coast - off Kozhikode.</b> Charts IN 22 220 259 294 INT 7356. Firing scheduled 14 to 15 Mar 23 from 0430 to 1130 UTC in danger area bounded within 11-08N to 11-18N and 075-03.7E TO 075-14E. Wide berth from area advised. 2. Cancel this MSG 151230 UTC Mar 23</p>
<p><b>229. India West Coast - off Porbandar.</b> Charts IN 21 252 292 INT 7021. Firing by CG aircraft scheduled on 14 Mar 23 from 0330 to 0530 UTC in danger area bounded by 21-32N 069-24E, 21-17N 069-24E, 21-17N 069-06E, 21-32N 068-56E. Wide berth from area advised. 2. Cancel this MSG 140630 UTC Mar 23.</p>
<p><b>230. Andaman Sea - off Barren I.</b> Charts IN 41 473 INT 7031. Firing by CG aircraft scheduled 14 and 17 Mar 23 from 0730 to 0930 UTC in danger area bounded within 11-50N TO 12-00N and 093-40E to 094-10E. Wide berth from area advised. 2. Cancel this MSG 171030 UTC Mar 23.</p>
<p><b>231. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig move. Greatdrill Chaaya (18-39.51N 072-12.85E), Trident II (19-29.98N 072-16.28E). Refer to 056(T) of INTM 05/23. Wide berth requested.</p>
<p><b>232. NAVAREA VIII - Warnings in force as on 10 Mar 2023</b> <b>2021 Series</b> - 286 340 463 478 544 629 658 759 761 833 <b>2022 Series</b> - 049 093 117 118 134 162 180 194 237 253 259 270 286 313 391 423 436 437 445 446 461 476 489 497 513 518 519 536 546 569 571 583 584 601 606 615 617 646 651 656 688 691 702 757 805 824 856 931 956 970 980 997 1002 1011 <b>2023 Series</b> - 004 036 037 063 064 071 081 104 111 112 116 126 127 136 144 145 148 150 151 161 162 167 170 171 172 175 177 178 179 185 188 193 196 199 200 201 204 205 206 208 209 214 215 216 217 218 219 220 221 222 224 225 226 227 228 229 230 231 (A) NAVAREA VIII warnings less than 42 days promulgated via safety net (B) Text of NAVAREA VIII warning 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 171000 UTC Mar 23</p>
<p><b>233. India West Coast - Ratnagiri.</b> Charts IN 22 212 293 2028 INT 7022. DGPS (16-59.26N 073-16.34E) transmission will be switched off from 140330 UTC to 151230 UTC Mar 23 for maintenance.</p>

<b>233. Continued.</b>
2. Cancel this MSG 151230 UTC Mar 23.
<b>234. India West Coast - off Okha.</b> Charts IN 21 202 251 INT 7318. Coastal triumph progressing survey in areas bounded by (a) 22-37.48N 068-35.52E, 22-37.49N 068-40.66E, 22-30.78N 068-40.68E, 22-30.77N 068-35.54E (b) 22-41.41N 068-53.21E, 22-41.41N 068-59.19E, 22-35.95N 068-59.19E, 22-35.94N 068-53.21E. Wide berth of 2nm requested.
2. Cancel this MSG 191830 UTC Mar 23
<b>235. India West Coast - off Mumbai.</b> Charts IN 21 255 292 INT 7334. Posh natuna, Posh arcturus and Posh Paglima progressing pipeline survey in vicinity of 19-38.89N 071-20.93E, 19-25.01N 071-14.48E, 19-20.06N 072-01.26E, 19-18.28N 071-58.59E, 18-34.93N 072-14.43E, 18-08.44N 072-22.09E, 18-34.92N 072-14.46E, 19-07.75N 071-59.94E, 19-10.03N 071-46.57E. Wide berth requested.
2. Cancel this MSG 141830 UTC Apr 23.
<b>236. India West Coast - off Daman.</b> Charts IN 21 210 255 292 INT 7334. Seismic survey being progressed by crest Argus 2, Voyager Explorer, Trinidad-1 and Victoria-1 with node deployment vessel Stanford Buzzard, Stanford hawk and Pinging vessel mat mercury, Flamboyan, Raafi, Parasea two, Nand sarathi and survey vessel Genesis in area bounded by 20-15.38N 071-44.47E, 20-15.31N 071-58.95E, 20-38.87N 072-27.96E, 20-54.83N 072-28.02E, 20-54.93N 071-44.48E. Wide berth of 05 Nm requested.
2. Cancel this MSG 071830 UTC Apr 23.
<b>237. Andaman Sea.</b> Charts IN 33 7706 INT 755. Responder progressing cable installation works in area bounded by 09-14.14N 088-24.71E, 08-15.90N 086-05.80E, 08-02.17N 086-11.54E, 09-01.02N 088-28.72E. Wide berth of 02 Nm requested.
2. Cancel this MSG 171830 UTC Mar 23.
<b>238. India West Coast.</b> Charts IN 21 255 292 INT 7334. Rig move. Sagar vijay (19-02.04N 071-24.38E). Refer to 056(T) of INTM 05/23. Wide berth requested.
<b>239. India West Coast - Okha.</b> Charts IN 21 203 271 2013 INT 7324. Samiyani I LT (22-29.50N 069-05.47E) will be unlit from 17 Mar 23 for maintenance.
<b>240. Indian Ocean - off Srilanka.</b> Charts IN 32 262 263 INT 7365. Wreck of partially submerged barge reported in approximate position 07-46.64N 079-44.17E.



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

NIL



8.1

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

**INP 31(1), 2019**

*(Last correction: Edition No. 23 dated 01 Dec 2022)*

NIL

**INP 31(2), 2019**

*(Last correction: Edition No. 24 dated 16 Dec 2022)*

**Page 08, EGYPT (Red Sea Coast). 74950 Ayn Sukhna Lt Float No 2.**  
*Delete entry-*

**INP 31(5), 2017**

*(Last correction: Edition No. 24 dated 16 Dec 2021)*

NIL

**INP 31(6), 2018**

*(Last correction: Edition No. 05 dated 01 Mar 2023)*

NIL

## SECTION – IX

### REPORTING OF NAVIGATIONAL DANGERS

#### Appeal to all Mariners

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / Harbour 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 : [msis-inho@navy.gov.in](mailto:msis-inho@navy.gov.in), [inho@navy.gov.in](mailto:inho@navy.gov.in)  
Fax No. : +91-135- 2748373  
Web : [www.hydrobharat.gov.in](http://www.hydrobharat.gov.in)

#### Instructions for filling up IH 102

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

#### Position Reporting

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

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

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

#### Depth Reporting

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

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

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

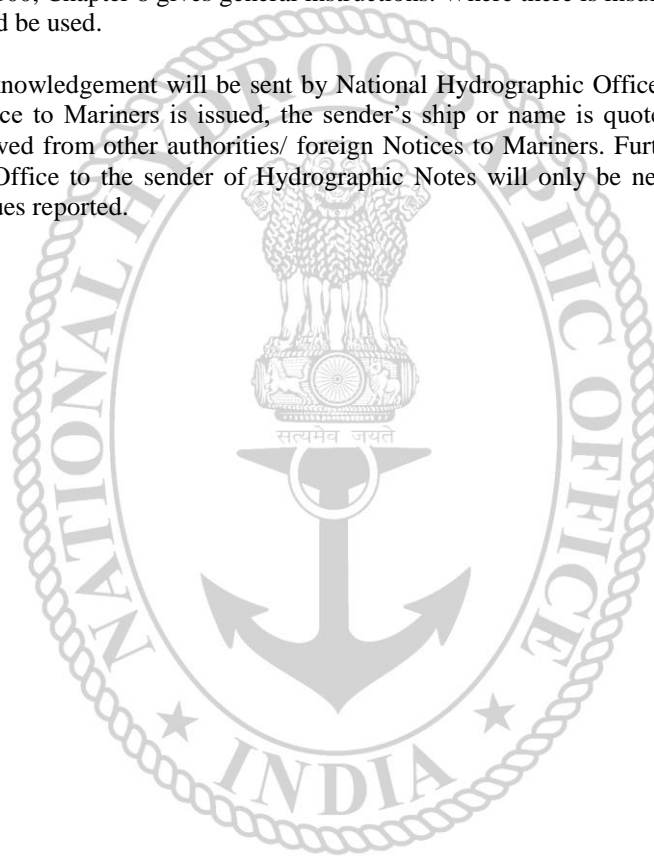
As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be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

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

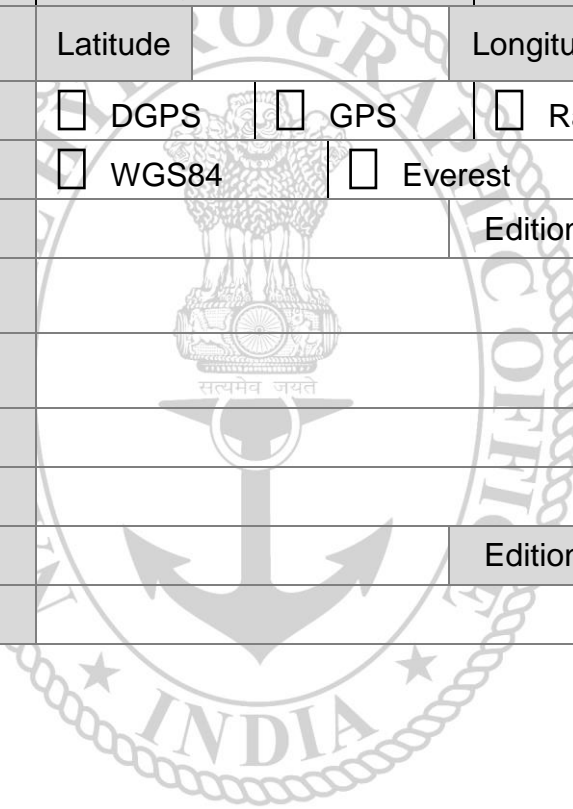
9. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers in such that any uncharted depth under 30 meters or 15 fathoms may be of sufficient importance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

10. Changes to Port information should be forwarded on Form IH.102A together with form IH.102. Form 102A contains the information required for Sailing Directions and should be used as an *aide memoir*. The Mariners Handbook, NP100, Chapter 8 gives general instructions. Where there is insufficient space on the forms an additional sheet should be used.

***Please Note:*** - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further, communication from National Hydrographic Office to the sender of Hydrographic Notes will only be necessary to verify unusual features or abnormal values reported.



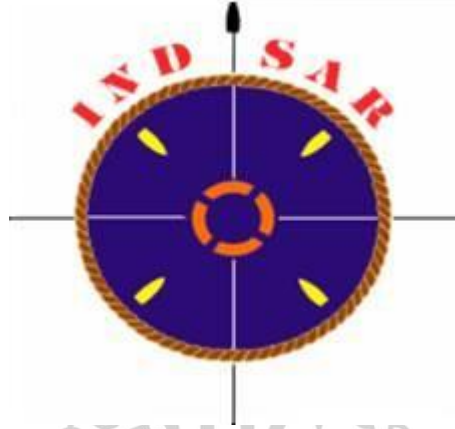


<b>HYDROGRAPHIC NOTE</b>				<b>IH.102 (Revised 2012)</b>	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes Observed (Tick appropriate)	<input type="checkbox"/> Bathymetry		<input type="checkbox"/> Nav. Dangers		<input type="checkbox"/> Nav. aids
	<input type="checkbox"/> Designated Areas		<input type="checkbox"/> Others		
Geographical Position (See Instructions Overleaf)	Latitude		Longitude		
Position Method	<input type="checkbox"/> DGPS	<input type="checkbox"/> GPS	<input type="checkbox"/> Radar	<input type="checkbox"/> Others	
Datum Used	<input type="checkbox"/> WGS84	<input type="checkbox"/> Everest		<input type="checkbox"/> Others	
Charts Affected				Edition	
Latest Edition of Indian Notices to Mariners Held					
Tracing/Plot/Photograph if enclosed					
ENCs Affected					
Latest Update Disk Held					
Publication Affected				Edition	
Page No./Light No. etc					
Details:					
					
Limitations if any in Reporting the Changes Above					
Details of Documents/Photos attached:					
Signature of the Master/Reporter/Observer					

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

<b>7. TUGS (Continued)</b>	
Requesting authority	
Availability timing / Communication	
Hiring charges	
<b>8. BERTHING AND WHARVES</b>	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
<b>9. CARGO HANDLING</b>	
Containers	
Lighters & Ro-Ro etc.	
<b>10. CRANES</b>	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
<b>11. BRIDGES</b>	
Vertical clearance	
<b>12. REPAIRS</b>	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
<b>13. SERVICES</b>	
Radio / FAX / Telephone / Internet etc.	
Medical	
Quarantine	
Consul	
Ship chandlery and Stevedores	
Compass adjustment	
Tank cleaning	
Hull painting	
Police / Ambulance / Firefighting (Fixed and Mobile facilities)	
Nav. Warning and Weather bulletin	
Garbage disposal / Waste oil disposal	
Helicopter landing facilities	

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



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

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

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

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

**AFTN: VABBYXYC**